DRYWALL GRID and FRAMING SYSTEM

Inspiring Great Spaces®

Armstrong®
CEILING SOLUTIONS

DESIGN FLEXIBILITY

Drywall Grid Systems:

Engineered to give you design control while providing a green installation by reducing steel up to 15%. Easily incorporate F-type Light Fixtures, access panels, and air diffusers into your design.

Drywall Framing Systems:

Simplify the design of corridors, small room configurations, restrooms, and storage closets. Combining StrongBack™ Carrying Channel with ShortSpan® Drywall Framing System allows you to expand your design up to 17'.

Axiom® Pre-Engineered Systems:

Regain aesthetic control. Axiom Building Perimeters is a pre-engineered solution that integrates multiple functions such as drapery pockets, air distribution, and ceiling elevation changes. Axiom Transitions is a factory-finished extruded aluminum that assures you get a top quality ceiling transition.

ARMSTRONG®
DRYWALL GRID
SYSTEMS VS.
TRADITIONAL
SYSTEMS

PERFECT
CURVES

SPAN
THE GAP

PERFECT
ANGLES

BEHIND
THE SYSTEMS

DESIGN CONTROL

Armstrong® Drywall Grid Systems are engineered to give you more design options. Our drywall grid is manufactured with additional route locations to accommodate F-Type light fixtures, access panels, and air diffusers. Additionally, the use of our 6' drywall grid cross tees (XL8965) can reduce the amount of steel needed in a ceiling up to 15%.

ARMSTRONG® DRYWALL GRID SYSTEM VS. TRADITIONAL SYSTEMS

Less steel means a green way to design drywall installations.

Armstrong® Drywall Grid System – Fast and Easy

Traditional Framing System

PERFECT CURVES

Armstrong Ceilings offers a worry-free approach to incorporating hills, valleys, undulating waves, vaults, and domes into your design. Combining our faceted main beam with our RC2 clip allows you to:

- Create custom radii to suit any design
- Have ultimate control of the curve
- Expand your design beyond traditional pre-selected or pre-determined radii

Drywall System & Drywall Faceted System; St. Mary's Macedonian Orthodox Cathedral, Reynoldsburg, OH

SPAN
THE GAP

ShortSpan® Ceiling System is engineered to span up to 8' 6" without vertical support. However, vertically supporting ShortSpan with StrongBack™ Peakform® Grid allows you to expand your design over 17' making ShortSpan® the perfect product for your next hotel project.

Armstrong® ShortSpan® Drywall Framing System

Armstrong® ShortSpan® Drywall Framing System with StrongBack™ Carrying Channel

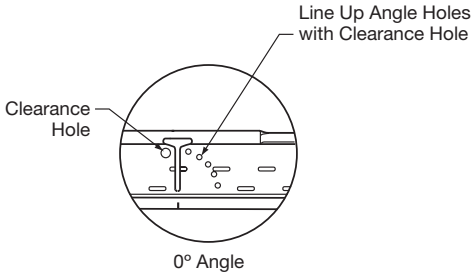
Drywall System & Drywall Faceted System
St. Mary's Macedonian Orthodox Cathedral,
Reynoldsburg, OH

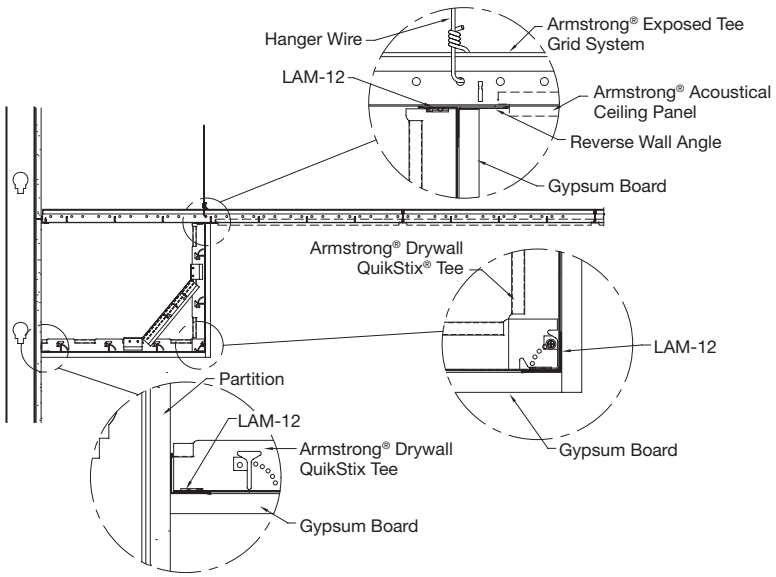
UNLIMITED DESIGN

Armstrong® Drywall Framing Systems offer a variety of pre-engineered solutions for direct to deck installations, vertical drops, and short spans. This makes Armstrong® Drywall Framing perfect for use in corridors, small room configurations, restrooms, and storage closets.

PERFECT ANGLES

The QuikStix™ Soffit Drywall Framing System guarantees a perfectly crafted 15-, 30-, 45-, 60-, or 90-degree angle every time.





YOU'RE IN CONTROL

The Axiom® Building Perimeter System allows you to retain aesthetic control of building perimeter. This perimeter solution accommodates the transition between the interior building perimeter and the ceiling plane. It's a pre-engineered solution that integrates multiple functions: drapery pockets, air distribution, and ceiling elevation changes.

QUALITY FINISHING

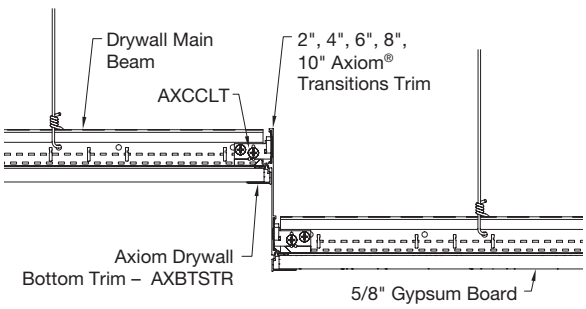
Axiom Transitions is a factory-finished extruded aluminum which assures you consistent quality. This pre-engineered solution also saves design and specification time. Fully integrates with our acoustical and drywall suspension systems giving you the ultimate design control.

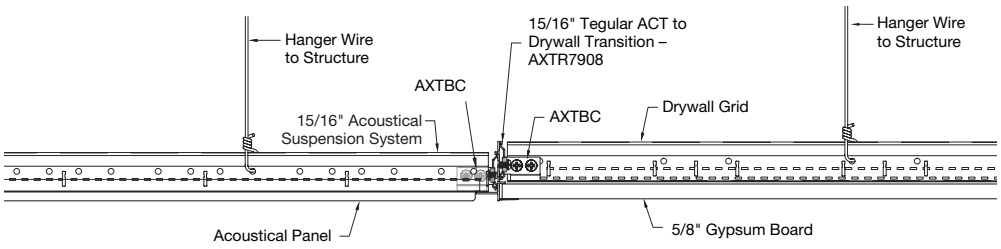
BEHIND THE SYSTEMS

Less steel means a green way to design drywall installations.

AXIOM® TRANSITIONS

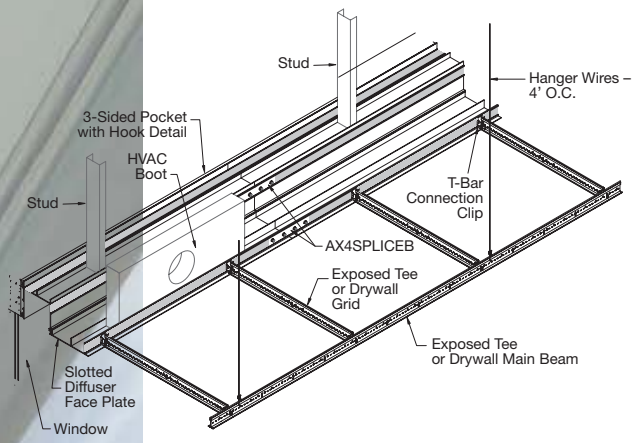
Drywall-to-Drywall



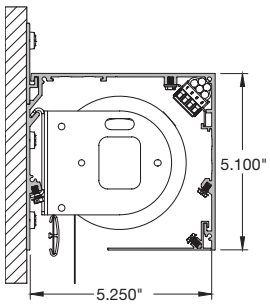


System View

AXIOM® BUILDING PERIMETER SHADE POCKETS



Three-sided Perimeter Pocket with Diffuser Face Plate



Three-sided Lutron® Compatible Shade Pocket

Drywall System & Drywall Faceted System; St. Mary's Macedonian Orthodox Cathedral, Reynoldsburg, OH

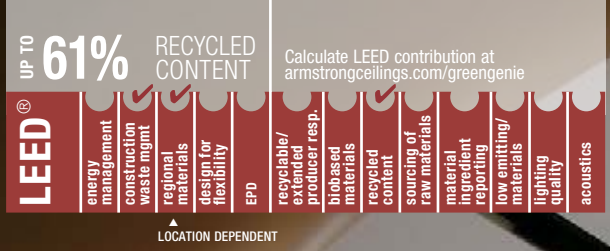
ARMSTRONG® DRYWALL GRID AND FRAMING: THE GREEN CHOICE*

Our drywall grid and framing systems are not only engineered to reduce risk, they're engineered to use less steel than traditional drywall ceiling framing methods. Right, you'll see an analysis of three typical types of installations – hallway, small space, and larger space. The analysis concluded that Armstrong® Drywall Grid and Framing Systems use less embodied energy than traditional methods.

Embodied or "embedded energy" is an assessment that includes the energy required to extract raw materials from nature, plus the energy used in primary and secondary manufacturing activities to provide a finished product. All processed products have embodied energy, whether a drinking cup or a car. Buildings represent a huge, relatively long-duration energy investment in embodied energy terms.

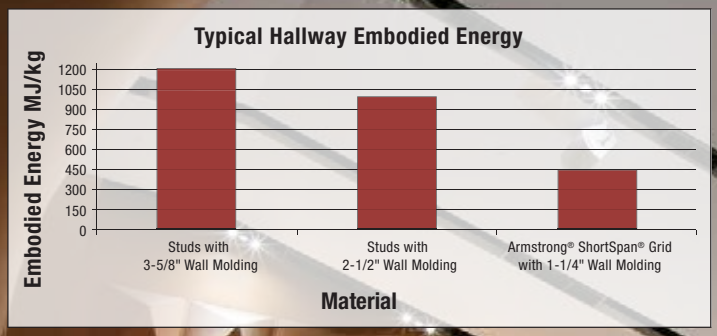
Every building is a complex combination of many processed materials, each contributing to the building's total embodied energy. The embodied energy for a complete structure is comprised of the energy required to extract and process the raw material for each individual component as well as the energy used to transport the finished product to the job site and install it. Additionally, the energy involved in maintaining each individual building component, final removal, and recycling/ disposal at the end of its useful life can all be part of the embodied energy equation.

* Reference: NREL, U.S. Life-Cycle inventory (LCI) database August 26, 2008 V 1.6.0

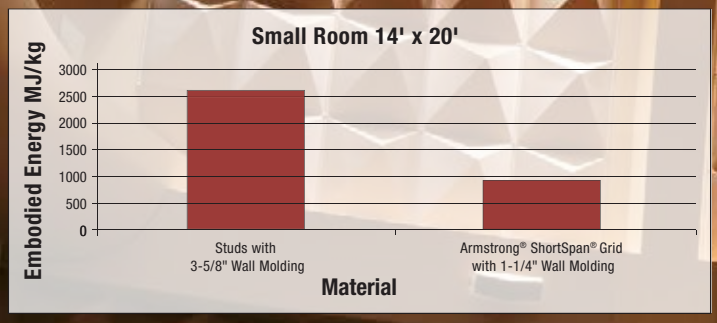


Embodied Energy Savings

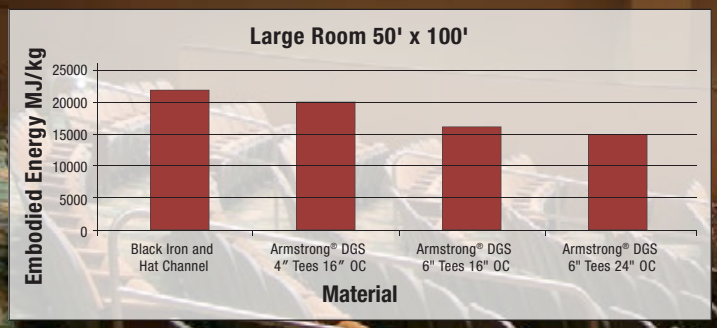
Drywall Grid and Framing vs. Traditional Drywall Ceiling and Framing Methods



Percentage Savings	
Using Armstrong® ShortSpan® Grid equals an Embodied Energy Savings of:	%
vs. Studs with 3-5/8" Channel Molding	173%
vs. Studs with 2-1/2" Channel Molding	125%



Percentage Savings	
Using Armstrong® ShortSpan® Grid equals an Embodied Energy Savings of:	%
vs. Studs with 3-5/8" Channel Molding	181%



Percentage Savings	
Using Armstrong® ShortSpan® Grid equals an Embodied Energy Savings of:	%
4' DGS Tee 16" O.C. vs. Black Iron and Hat Channel	10%
6' DGS Tee 16" O.C. vs. Black Iron and Hat Channel	33%
4' DGS Tee 24" O.C. vs. Black Iron and Hat Channel	43%

CODE COMPLIANCE YOU CAN TRUST

Armstrong Ceiling Solutions provide superior performance when compared to traditional methods. Our pre-engineered systems are tested for fit and finish, and are engineered to be code compliant. When you specify Armstrong® ceilings, you're assured a top quality product that reduces risk.

- ESR-1289: ICC code-compliant system
- Department of State Architect – DSA PA105
- City of LA – RR 25348
- Miami – Dade County, Florida, Wind Uplift Compliant NOA No. 07-0119.02 – 03/17/2014
- Miami – Dade County, Florida, Hurricane and Impact Compliant NOA No. 09-0512.02 – 10/07/2014
- 26 UL Fire Resistant Designs
- Meets ASTM C635, C841, C842, C926, C636, C754, and C1063
- Armstrong® Drywall Systems meet ASTM C645 requirement for minimum metal thickness to .0179 for screw pullout

Stucco, Plaster, EIFS

QuikStix™ Locking Pocket Mains

6" Tees

armstrongceilings.com/drywall

TAKE THE NEXT STEP

1 877 276 7876

Customer Service Representatives
7:45 a.m. to 5:00 p.m. EST Monday through Friday

TechLine – Technical information, detail drawings, CAD design assistance, installation information, other technical services – 8:00 a.m. to 5:30 p.m. EST, Monday through Friday. FAX 1 800 572 8324 or email: techline@armstrongceilings.com

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Product literature and samples – express service or regular delivery

Contacts – reps, where to buy, who will install

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BPCS-4156-717