Pre-engineered systems from Armstrong are designed so you know what the details of finished installations will look like long before the installation takes place. Include these systems in your specification to assure the controls are in place.

Traditional methods leave many finishing decisions to be handled on-site. Our pre-engineered systems reduce the risk of on-site solutions because their fit and finish is controlled and reliable.

Go Green
Our High Recycled Content (HRC) Drywall Grid and Framing Systems can help with your green projects. See page 10 for additional information.

Design Flexibility

Drywall Grid Systems:
Engineered to give you design control while providing a green installation by reducing steel up to 15%. Additionally, our DGS products won’t limit your design options. 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. However, combining StrongBack™ with ShortSpan™ allows you to expand your design over 7’.

Armstrong Drywall Framing Systems also provide a faster, easier, better way to install light drywall ceilings, and drop soffits while guaranteeing a perfectly crafted angle every time.

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-finshed extruded aluminum that assures you get a top quality ceiling transition.

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Armstrong systems 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, 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 meets ASTM C645 requirement for minimum metal thickness to .0179 for screw pullout.
Design Control

Armstrong Drywall Grid Systems are engineered to give you more design options. Our drywall grid is manufactured with additional rout 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%. So, it’s an environmental choice that doesn’t compromise performance.

Armstrong DGS vs. Traditional Systems

Less steel means a green way to design drywall installations.

Armstrong Drywall Grid System
Fast and Easy

Traditional Framing System
Armstrong offers a worry-free approach to incorporating hills, valleys, undulating waves, vaults, and domes into your design. Combining our faceted main 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
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.

Span the Gap

ShortSpan® is engineered to span up to 7’ without vertical support. However, vertically supporting ShortSpan with StrongBack™ allows you to expand your design over 7’ making ShortSpan the perfect product for your next hotel project.
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 Armstrong acoustical and drywall suspension systems giving you the ultimate design control.

Behind the Systems

Axiom Transitions

System View
Axiom® Building Perimeters

Three-sided Perimeter Pocket with Perimeter Extension Plate

Three-sided Perimeter Pocket with Diffuser Face Plate
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
The Perfect Finish

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2
Between us, ideas become reality ™ 

Drywall Grid using HD8906 main beams and XL834, XL7341 cross tees

Project: W Hotel, Minneapolis, MN
Architect: Graham Architects, Minneapolis, MN

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