

# PLACES TO HEAL

Ceiling and wall systems  
that make a difference  
in healthcare

Inspiring Great Spaces®

**Armstrong**<sup>®</sup>  
CEILING & WALL SOLUTIONS



# CREATING HEALING ENVIRONMENTS

Ultima® with Prelude® 15/16" Suspension System, INOVA Women & Children's Hospital, Falls Church, VA

As you select products, you have different criteria for different spaces in your healthcare project. In some areas, it's cleanliness and hygiene; in other areas, privacy, quiet, or comfort. Perhaps professionalism or warmth are key. Today, there are more product choices available to bring these important attributes to life through your designs. Our portfolio of ceiling and wall products offers aesthetic, functional, and sustainable solutions for every type of space and common condition in healing environments.



MetalWorks™ RH215 Custom Ceiling System, Nationwide Children's Hospital, Columbus, OH

# HEAL ING

## QUIET

Hospital noise is a universal problem you can address by specifying high-performance mineral fiber, fiberglass, wood, and metal materials, many of which have Total Acoustics® performance, providing the ideal combination of sound absorption and sound blocking in one ceiling system. Often, these ceiling options also meet hospital standards for washability, anti-mold, anti-microbial, and fire safety.

## WARMTH

Wood ceilings help convey a warm ambiance in a space. Standard wood ceilings are available in a variety of shapes, sizes, perforations, and finishes, ranging from maple and cherry to beech and bamboo. WoodWorks® ceilings can provide noise reduction and help create a calmer environment. MetalWorks™ ceilings in wood-look finishes give the look of real wood, but are lighter weight, provide acoustics control, and often provide an economical alternative to real wood.

## POSITIVE DISTRACTION

As you design environments that help patients escape what once was a “typical” hospital environment, ceilings can add a touch of the unexpected.

## PRIVACY AND NOISE REDUCTION

HIPAA (Health Insurance Portability and Accountability Act), HCAHPS (Hospital Consumer Assessment of Healthcare Provider Systems), and the FGI (Facilities Guidelines Institute for Healthcare) update in 2014 make proper acoustics in healthcare facilities more important than ever for patient privacy and outcomes.

## NATURAL CONNECTIONS

Ceilings can help to maximize sustainable design. You may choose material options, like rapidly renewable bamboo or ceilings made with a plant-based binder. Other choices include products with high-recycled content, low VOC emissions, or those that maximize natural daylight. The Sustain® portfolio offered by Armstrong Ceiling Solutions is the industry’s first collection of high-performance ceiling systems that meet the most stringent sustainability compliance standards today. Many ceilings can also be recycled at the end of their useful life in the Armstrong Ceilings Recycling Program, eliminating landfill disposal. Our portfolio is designed to enable your sustainable design.

## WELCOME

Patients and visitors alike want to feel at ease from the moment they enter. Your choice of ceiling can create a serene atmosphere appreciated by all.





# THE RIGHT CEILING FOR THE RIGHT SPACE

Calla® Health Zone™ with Suprafine® 9/16" Suspension System and Axiom® Trim

## LOBBIES & WAITING AREAS

The facility's main lobby can set the tone for the entire design theme and personality of a building. Waiting areas also play an important role in alleviating the stress and anxiety that often accompany a visit to the hospital. Whether the goal is to inspire, decrease stress, or simply to cause a person to stop and take a deep breath – our full portfolio of product options may be used to achieve the effect you intend.



SoundScapes® Shapes Acoustical Clouds in custom colors and shapes, Ronald McDonald House®, Memphis, TN

Ronald McDonald House® is a registered trademark of McDonald's Corporation

# FOCUS PRIVACY COLLABORATION

## CORRIDORS

Corridors in healthcare have busy, often shallow plenums that require frequent access. Corridors are also sources of unwanted noise that can diminish positive patient outcomes. It is important to accommodate HVAC and medical equipment, while also keeping corridors quiet.

## PATIENT ROOMS & TREATMENT ROOMS

If you've ever had even a short hospital stay, you have firsthand knowledge of just how overwhelming noise can be. Research confirms that noise levels in patient rooms often exceed the World Health Organization guidelines of 35 dBA during the day and 30 dBA at night,



MetalWorks™ Tegular with TrioGuard®  
Coating with Prelude® XL® 15/16"  
Suspension System



Ultima® Health Zone™ Create!™  
Dragonflies 24" x 24" panels  
Lancaster General Hospital, Lancaster, PA

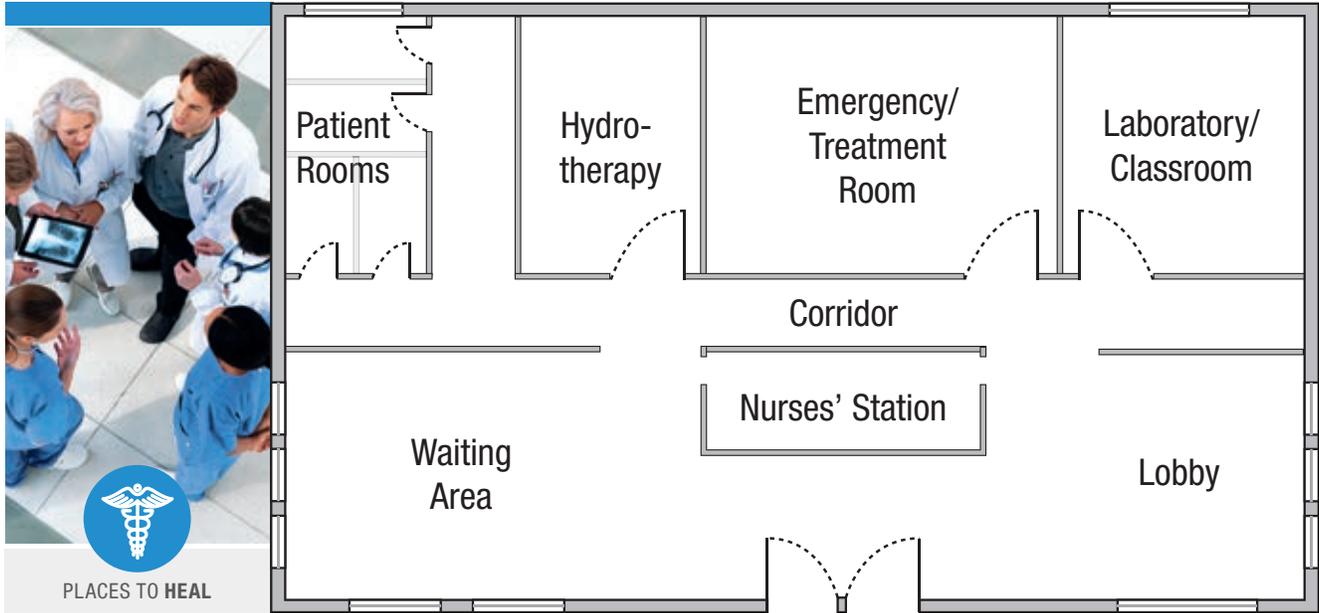
creating more stressful environments for patients and disrupting sleep. Many patient rooms are now single-bed to promote patient privacy and are acuity-adaptable to reduce medical errors. A bright patient room with access to daylighting has been shown to reduce depression and pain perception.

These hybrid spaces require ceilings that are multi-functional. Key criteria in these spaces include sound absorption and blocking, light reflectance, and water-resistant surfaces that are easy to clean to prevent infection. Ceilings with Total Acoustics® performance provide the ideal combination of absorption and blocking in one ceiling system.

# A CEILING FOR EVERY SPACE®

Discover high-performance ceiling solutions for every application.

Our new A Ceiling for Every Space® online tool lets you quickly scroll through installation photos to give you ideas and specific product recommendations for your projects. Try it at [armstrongceilings.com/everyspace](http://armstrongceilings.com/everyspace)

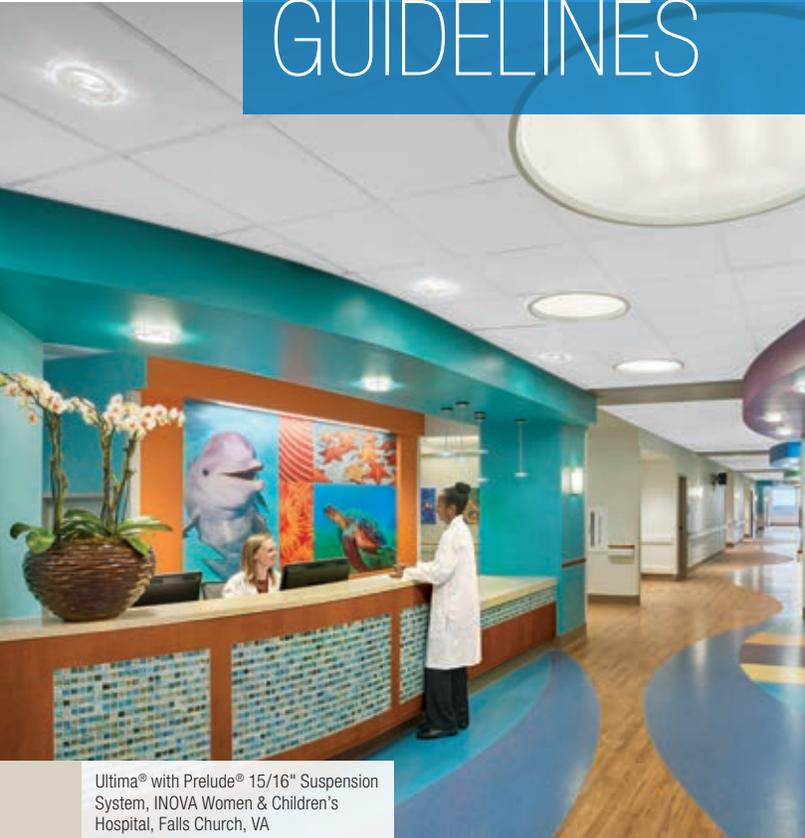


## RECOMMENDED PRODUCTS AT-A-GLANCE

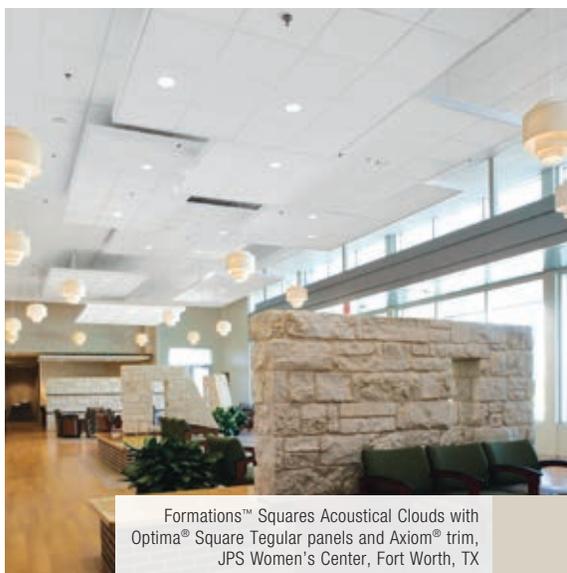
| Space         | How the Right Ceiling Can Help  | Product Recommendations   |
|---------------|---|---|
| Lobbies       | The facility's main lobby can set the tone for the personality of the building. Create an entry interior to inspire hope and reduce stress.           | <ul style="list-style-type: none"> <li>• MetalWorks™, MetalWorks™ with TrioGuard® coating</li> <li>• WoodWorks®</li> <li>• Calla® Health Zone™</li> <li>• Lyra® High CAC</li> <li>• Ultima® High NRC</li> <li>• SoundScapes® Canopies, Shapes, and Blades™</li> <li>• Formations™ Acoustical Clouds</li> <li>• Serpentina® Classic, Vault, and Waves™</li> <li>• MetalWorks™ Blades – Classics™</li> <li>• Infusions® Blades – Concepts™</li> <li>• Axiom® Light coves</li> <li>• Axiom® Perimeter pockets</li> </ul> |
| Waiting Areas | Waiting areas can create a peaceful and private space for patients to wait, alleviating the stress and anxiety that often accompany a hospital visit. | <ul style="list-style-type: none"> <li>• MetalWorks, MetalWorks with TrioGuard coating</li> <li>• WoodWorks</li> <li>• Calla Health Zone</li> <li>• Lyra High CAC</li> <li>• Ultima High NRC</li> <li>• SoundScapes Canopies, Shapes, and Blades</li> <li>• Formations Acoustical Clouds</li> <li>• Serpentina Classic, Vault, and Waves</li> <li>• MetalWorks Blades – Classics</li> <li>• Infusions Blades – Concepts</li> <li>• Axiom Light coves</li> </ul>   |

| Space                     | How Ceilings Can Help  | Product Recommendations   |   |
|---------------------------|--|---|---|
| Nurses' Stations          | Keep the nursing stations quiet, while providing a space for nursing staff to meet and collaborate. These stations are also a place to continue to showcase the personality of the building through design.                    | <ul style="list-style-type: none"> <li>• MetalWorks™</li> <li>• WoodWorks®</li> <li>• Calla® Health Zone™</li> <li>• Lyra® High CAC</li> <li>• Ultima® High NRC</li> <li>• Ultima</li> <li>• Ultima® Health Zone™</li> <li>• Fine Fissured™ High NRC</li> <li>• Cirrus® &amp; Cirrus High NRC</li> </ul>                            | <ul style="list-style-type: none"> <li>• SoundScapes® Canopies, Shapes, and Blades™</li> <li>• Formations™ Acoustical Clouds</li> <li>• Serpentina® Classic, Vault, and Waves™</li> <li>• MetalWorks™ Blades – Classics™</li> <li>• Infusions® Blades – Concepts™</li> </ul>  |
| Corridors                 | Healthcare corridors have busy, shallow plenums that require frequent access. Corridors also are a source of unwanted noise. Ceilings designed for acoustics and frequent access can help keep corridors functional and quiet. | <ul style="list-style-type: none"> <li>• MetalWorks, MetalWorks™ with TrioGuard® coating</li> <li>• WoodWorks</li> <li>• Calla Health Zone</li> <li>• Lyra High CAC</li> <li>• Ultima High NRC</li> <li>• Ultima</li> <li>• Ultima Health Zone</li> <li>• Fine Fissured High NRC</li> <li>• Cirrus &amp; Cirrus High NRC</li> </ul> | <ul style="list-style-type: none"> <li>• SoundScapes Canopies, Shapes, and Blades</li> <li>• Formations Acoustical Clouds</li> <li>• SingleSpan™ for acoustical ceilings</li> <li>• ShortSpan® for drywall ceilings</li> <li>• Serpentina Classic, Vault, and Waves</li> <li>• MetalWorks Blades – Classics</li> <li>• Infusions Blades – Concepts</li> </ul> |
| Patient Rooms             | Create a space that results in optimum patient recuperation. Total Acoustics® ceilings can help create peaceful and private places to recover, while meeting HIPAA and HCAPS healthcare requirements.                          | <ul style="list-style-type: none"> <li>• MetalWorks</li> <li>• Calla Health Zone</li> <li>• Cirrus</li> <li>• Clean Room™ FL</li> <li>• Dune™</li> <li>• Fine Fissured</li> <li>• Georgian™ High NRC</li> <li>• Mesa™</li> </ul>  | <ul style="list-style-type: none"> <li>• Optima® Create!™</li> <li>• Ultima</li> <li>• Ultima Create!</li> <li>• Ultima Health Zone</li> <li>• Lyra High CAC</li> <li>• School Zone® Fine Fissured™</li> <li>• School Zone® Georgian™</li> <li>• Axiom® Formations clouds</li> </ul>  |
| Hydrotherapy Rooms        | Hydrotherapy rooms need ceilings that are resistant to sag from moisture.  | <ul style="list-style-type: none"> <li>• Ceramaguard®</li> <li>• Prelude® XL® plus Aluminum (with proper ventilation)</li> </ul>  |   |
| Emergency/Treatment Rooms | These hectic and multi-functional spaces require a multi-functional ceiling. Total Acoustics performance ceilings can improve patient outcomes and interactions between doctors and staff.                                     | <ul style="list-style-type: none"> <li>• MetalWorks</li> <li>• Calla Health Zone</li> <li>• Lyra High CAC</li> <li>• Ultima High NRC</li> <li>• Ultima</li> </ul>   | <ul style="list-style-type: none"> <li>• Ultima Health Zone</li> <li>• Fine Fissured High NRC</li> <li>• Cirrus &amp; Cirrus High NRC</li> <li>• Clean Room Grid</li> </ul>   |
| Classroom/Laboratory      | Hospital laboratory and healthcare education spaces need acoustical, yet cleanable surfaces. Select ceilings with great acoustics and washable surfaces for these spaces.  | <ul style="list-style-type: none"> <li>• MetalWorks, MetalWorks with TrioGuard coating</li> <li>• Calla Health Zone™</li> <li>• Cirrus</li> <li>• Clean Room FL</li> <li>• Dune</li> <li>• Fine Fissured</li> <li>• Georgian High NRC</li> <li>• Mesa</li> </ul>  | <ul style="list-style-type: none"> <li>• Optima Create!</li> <li>• Ultima</li> <li>• Ultima Create!</li> <li>• Ultima Health Zone</li> <li>• Lyra High CAC</li> <li>• School Zone Fine Fissured</li> <li>• School Zone Georgian</li> <li>• Clean Room Grid</li> </ul>   |

# MEETING SUSTAINABLE GUIDELINES



Ultima® with Prelude® 15/16" Suspension System, INOVA Women & Children's Hospital, Falls Church, VA



Formations™ Squares Acoustical Clouds with Optima® Square Tegular panels and Axiom® trim, JPS Women's Center, Fort Worth, TX

## SUSTAINABLE DESIGN GUIDELINES

Among all types of commercial buildings, hospitals are unique because they must operate 24 hours a day, seven days a week. As a result, the interiors must meet the demands of the space by reducing energy, providing high-performance, sustainable materials, and are durable and flexible.

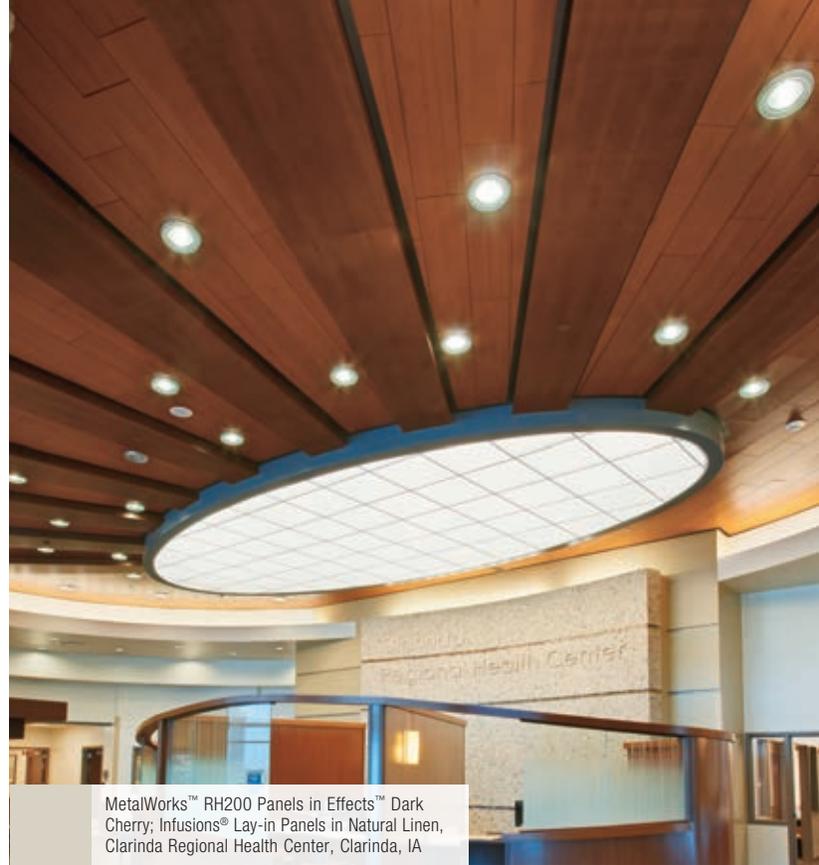
Armstrong Ceiling Solutions is setting the standard with the Sustain® product portfolio, the industry's first collection of high-performance ceiling systems that meet the most stringent sustainability compliance standards for health and wellness. Sustain products contribute to all of the LEED® Material Resource (MR) Credits for Building Product Disclosure and Indoor Environmental Quality (EQ) credits for low-emitting materials and acoustical performance. All Sustain products disclose both environmental impacts through EPDS, and disclose material ingredients in our Product Declarations and Declare™ labels. With our Ceilings Recycling Program, ceilings returned from renovation projects can contribute to the Construction and Waste Management credit. Many of the products included in the Sustain portfolio participate in the Living Building Challenge™ Declare Program.

The WELL Building Standard™ is an evidence-based system for measuring, certifying, and monitoring the performance of building features that impact health and well-being. The standard is based on seven concepts: air, water, nourishment, light, fitness, comfort, and mind. The Sustain and Total Acoustics® portfolios of products offered by Armstrong Ceiling Solutions contribute to the areas of light, comfort, and mind by providing total acoustics performance, high light reflectance, low-emitting materials, and material transparency.

More and more research shows that building owners, developers, architects, contractors, and designers are driving to create healthier buildings. A new Smart Market Report by Dodge Data & Analytics, sponsored by Armstrong World Industries, Inc., reveals there is increased attention to healthier building features including better lighting/daylighting, products that enhance thermal comfort, spaces that enhance social interaction, enhanced acoustical comfort, and air quality. To download the full study, "The Drive Toward Healthier Buildings 2016," visit the Armstrong World Industries, Inc. website.



Optima® Radial Custom Panels with Suprafine® XL® Suspension System in Silver Satin and 8" Classic Axiom® Trim in Silver Satin, University of Utah Hospital, Salt Lake City, UT



MetalWorks™ RH200 Panels in Effects™ Dark Cherry; Infusions® Lay-in Panels in Natural Linen, Clarinda Regional Health Center, Clarinda, IA



MetalWorks™ TechZone® 24" x 48" panels in Silverlume with Suprafine® XL® Suspension System in Silver Grey; WoodWorks® Channeled Vector® Panels in Natural Variations™ Light Cherry with Prelude® Suspension System in White; Geisinger Medical Center, Scranton, PA

## CONNECT BUILDINGS WITH NATURE

- Biophilic design
- Enhance the sense of openness and connection to nature in enclosed interiors
- Create natural light where it is not possible to have a window
- Transform environments by giving them infinite space

Solution Partner for Virtual Skylights



# 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](mailto:techline@armstrongceilings.com)

## [armstrongceilings.com/commercial](http://armstrongceilings.com/commercial)

Latest product news  
Standard and custom product information  
Online catalog  
CAD, Revit®, SketchUp® files  
A Ceiling for Every Space® Visual Selection Tool  
Product literature and samples – express service  
or regular delivery  
Contacts – reps, where to buy, who will install

## YOU INSPIRE™ SOLUTIONS CENTER

1 800 988 2585  
email: [solutionscenter@armstrongceilings.com](mailto:solutionscenter@armstrongceilings.com)  
[armstrongceilings.com/youinspire](http://armstrongceilings.com/youinspire)

### Design Assistance

Collaborative design  
Detail drawings  
Specifications  
Planning and budgeting

### Pre-construction Assistance

Layout drawings for standard  
and premium products  
Project installation recommendations  
Contractor installation assistance

**you inspire™**  
solutions center

helping to bring your one-of-a-kind ideas to life

Sky Factory™ is a trademark of The Sky Factory; LC SketchUp® is a trademark of Trimble Navigation Limited  
Revit® is a registered trademark of Autodesk, Inc.; Declare™ and Living Building Challenge™ are service marks  
of International Living Future Institute; WELL Building Standard™ is a trademark of The International WELL  
Building Institute (IWBI); LEED is a registered trademark of the U.S. Green Building Council  
Inspiring Great Spaces® is a registered trademark of AFI Licensing LLC  
All other trademarks used herein are the property of AWI Licensing LLC and/or its affiliates  
© 2019 AWI Licensing LLC • Printed in the United States of America

[armstrongceilings.com/healthcare](http://armstrongceilings.com/healthcare)

On the cover: ▶  
Ultima® with Prelude® 15/16" Suspension System, INOVA Women &  
Children's Hospital, Falls Church, VA

Inspiring Great Spaces®

**Armstrong®**  
CEILING SOLUTIONS