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Press Release
FOR IMMEDIATE RELEASE
October 2, 2020

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New DynaMax™ Suspension System and Continuous Load Path from Armstrong Designed Specifically for Use in Data Center Ceilings

***New additions plus Prelude® XL Max® suspension system enhance portfolio of
data center ceiling system solutions***



LANCASTER, Pa. – Armstrong Ceiling & Wall Solutions has introduced DynaMax™ Aluminum Suspension System and Continuous Load Path (CLP), two new innovative additions to its portfolio of ceiling system solutions designed specifically for use in data centers. Having data available remotely has never been more critical as technology and IT cloud networks expand to accommodate the demands of working virtually.

DynaMax grid is a structural aluminum suspension system designed to support heavy point loads. It provides an attachment platform for data center cable trays, partitions, hot and cold containment barriers, and other equipment, from building structure to below the ceiling plane, without penetrating the ceiling. The elimination of penetrations through the ceiling helps control airflow in the space while a CNC override feature creates a tight fit to minimize air leakage between the plenum and the space.

The DynaMax system integrates with coordinating, specially-sized factory-cut Armstrong® Calla®, Ultima®, Dune™ and Fine Fissured™ data center ceiling panels, creating a complete ceiling system solution. Armstrong is the only ceiling manufacturer to combine a finished ceiling system with a structural component.

System Is Fully Accessible

Available in 2' x 2', 2' x 4', and 4' x 4' suspension system layouts, DynaMax grid can support up to a 900 lb. point load rating using 3/8" threaded rod at 4' x 4' connection points. A unique attachment feature allows for easy, seamless integration into a conventional grid system.

The system is fully accessible which allows for future expansion and upgrades. All components are non-progressive, providing the ability to remove or replace a section of the system without the need to dismantle components around it. Non-weight bearing cross tees are removable for plenum access without compromising the structural integrity of the system.

Continuous Load Path (CLP)

The new Continuous Load Path (CLP) for use with Armstrong® Prelude® XL® suspension systems provides extra strength where needed by allowing a threaded rod to connect to the deck without interrupting the ceiling plane. This helps manage air flow by eliminating unwarranted air penetrations in the ceiling panels from hanging cable trays, heavy lighting or signage. It also provides flexibility to design data halls that require heavier loads by using a standard Prelude XL system in main or high load trunk lines.

The CLP is designed to accommodate 1/2" and 3/8" threaded rods with point loads of up to 1,800 lbs. per 3/8" rod and up to 3,300 lbs. per 1/2" rod with no weight transferred to the ceiling system. With the CLP solution, Armstrong is the only ceiling manufacturer to provide a solution for carrying the heaviest loads in a data center with a conventional grid system. The load is completely supported by the threaded rod to the deck and is not transferred to the suspension system.

Prelude® XL Max® Suspension Systems

For data center projects requiring less than 300 lb. point loads, Armstrong offers Prelude XL Max suspension systems. The system supports point loads up to 300 lbs. using 3/8" threaded rod and integrated hanging clips. The clips attach to the face of the suspension system to eliminate penetrations through the ceiling plane minimizing unwanted air infiltration while improving access, cable tray layout, and aesthetics. The clips also allow connection to the rods for flexible and reconfigurable overhead cable tray and electrical distribution without a separate strut channel system.

For more information on Armstrong data center ceiling solutions, visit www.armstrongceilings.com/datacenter.

Armstrong World Industries, Inc. (AWI) is a leader in the design and manufacture of innovative commercial and residential ceiling, wall, and suspension system solutions in

the Americas. With over \$1 billion in revenue in 2019, AWI has about 2,500 employees and a manufacturing network of 14 facilities plus five plants dedicated to its WAVE joint venture.

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