



*The Flexible Alternative to
Permanent Construction*



Pre-Engineered, Modular In-Plant Buildings & Enclosures



A-WALL™ 200

- Hidden steel stud eliminates visible panel framing
- Full wall thickness for excellent sound control
- Vinyl or unfinished panel surfaces
- Panel heights up to 9 feet
- Fast, trouble-free installation



Gray vinyl breakroom



Compressor enclosure



One-stop shop for breakroom cabinetry, office furniture & more.

No other in-plant building system looks or acts more like conventional construction than A-WALL 200. Concealed, galvanized steel studs are friction-fit at panel connections without the use of fasteners or tools for a fast, trouble-free installation. A-WALL 200 uses either unfinished or durable, vinyl wrapped gypsum panels with beveled edges. The result is a “fine-line” panel seam with the appearance of a permanent wall.

Although it looks permanent, this system is pre-engineered for flexibility. The panels are **demountable, interchangeable and relocate** just as easily as they assemble. Windows are factory-installed and glazed in the panels with mitered frames and concealed fasteners.

The standard ceiling height in A-WALL 200 buildings is 7'-6", with 8'-6" available for larger rooms. Building lengths and widths are most cost-effective when designed in even 2' dimensions but readily available pre-engineered to any size your specific application requires.

Forkliftable Buildings

A-WALL 300 can be provided with a steel forklift platform. These models are available K-D for field assembly or factory-assembled and wired.



Pre-Engineered, Controlled Environments

A-WALL environmental rooms create the conditions you require to meet today's strict manufacturing standards. Whether you need to increase process yield, decrease quality rejections, comply to a regulatory standard or simply segregate a “dirty” process from the rest of your plant, A-WALL offers a pre-engineered, cost-effective solution.

- Negative Pressure Isolation Rooms
- Positive Pressure White Rooms
- Modular Cleanrooms
- CMM / Metrology Rooms
- Temperature/Humidity Enclosures
- Custom Equipment Enclosures



Negative pressure, HEPA filtered, Process Isolation Room with 3'x3' custom loading doors isolates grinding dust from plant ambient air.

A-WALL™ 300

- Color coordinated, aluminum I-Stud for fast, simple assembly
- Full wall thickness for excellent sound control
- Wide variety of panel finishes
- Panels can be stacked for higher, interior ceilings



Inline freestanding system with acoustical panels



CMM room (available with hi-speed roll-up door)



Gray Distribution Center Office

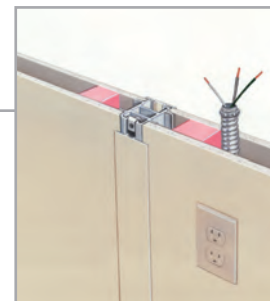
A narrow, aluminum I-Stud is used to join the panels allowing a wide variety of building finishes. The I-Stud is color coordinated and conceals the edges of FRP, steel, and aluminum facings... Without creating an unattractive, "hollow post" appearance. Installations are simplified because like the A-WALL 200 hidden stud, the I-Stud is a friction fit component that doesn't require fasteners.

A-WALL 300 offers higher ceilings using stacked panels and the I-Stud as a horizontal panel connection. Ceiling heights up to 12'-6" are standard, with unlimited, custom room sizes available when your application dictates.

Both A-WALL 200 and 300 buildings are available with an optional raised base track that resembles a conventional 3" vinyl cove base. It allows up to 1-1/4" panel leveling capability and elevates the panels above the floor in wet environments.

Interior Partitions

When equipped with 2-piece ceiling track, A-WALL 300 becomes a truly flexible, demountable wall system.



The A-WALL Channel Stud is a versatile component used for both two-story and custom, single-story buildings. It accepts standard "strut" spring nuts and fittings and is compatible with most slotted channel, metal framing systems.



Cleanroom with internal ante room and dedicated HVAC system maintains Class 10,000 (ISO Class 7) conditions.



Cleanroom recirculates conditioned, plant ambient air and maintains Class 1,000 (ISO Class 6) conditions.

A-WALL™ 400

- Two-story design utilizes wasted, overhead space
- Meets or exceeds all major building codes governing floor loads
- Available with any combination of A-WALL panel finish
- Color coordinated, aluminum Channel Studs offer a “monolithic” appearance



Improve your view of the plant and release valuable, productive floor space with A-WALL 400 pre-engineered, two-story buildings. This system takes advantage of wasted overhead space yet requires less than 18 feet of clear height. It uses standard gypsum panels which are interchangeable with A-WALL 200 and 300 buildings for total flexibility throughout your facility. Stairs and landings are available in unlimited sizes and configurations with many different tread and handrail options.

A-WALL 400 was designed using stringent safety factors. Channel Studs are rated at up to 17,000 pounds column load capacity and standard A-WALL gypsum panels support up to 6,000 pounds each. Lightweight, galvanized steel floor joists conform to A.I.S.I. standards and install using simple hanger bracket assemblies. Unlike bar joists and I-beams, A-WALL floor joists are easily field cut to new lengths when you reconfigure your building to meet changing needs. A-WALL 400 structural components are “in-stock”, require no additional production time and arrive pre-engineered, ready to install.

Mezzanine Building Systems

When combined with pre-engineered, steel mezzanines, A-WALL single-story buildings offer you the same advantages of the 400 system, but with even more flexibility. There is no limit to the size, span or floor load capacity offered by mezzanines.

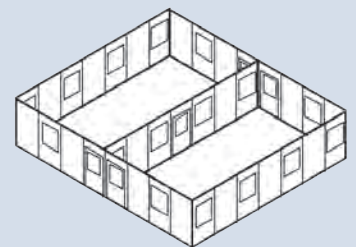
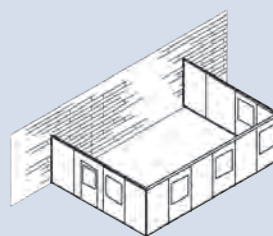
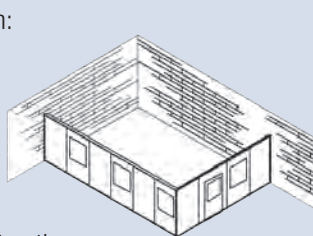
A-WALL buildings can be elevated above limited floor space, or integrated with the mezzanine to create a custom, two-story structure. Mezzanine two-story buildings allow changes to either level without affecting the other.

When your needs change, all three structures can be relocated together, or utilized independently in different parts of your facility.



Standard Building Configurations

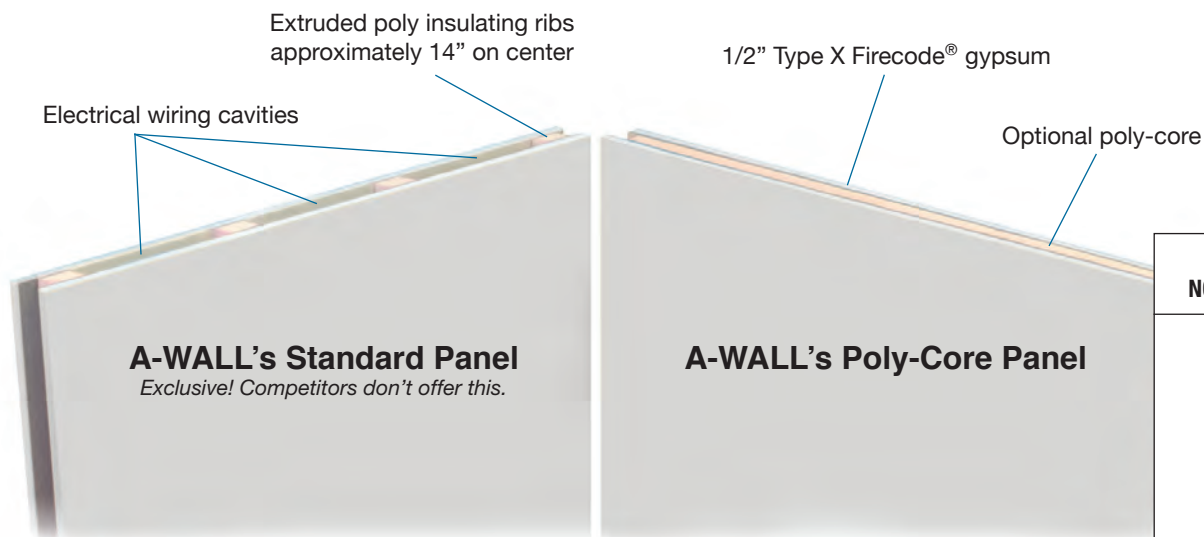
- Standard buildings are shipped complete with:
 - a corrugated steel roof deck
 - A-WALL panels
 - aluminum connecting components
 - a suspended ceiling
 - a steel or sound core, birch door
 - fasteners
 - comprehensive assembly drawings and instructions
- Two-story models also include an additional door, structural components and one stair with 4'x4' landing and handrail



2-Wall and 3-Wall buildings utilize your existing walls and minimize cost. Steel roof deck adaption is provided for support at existing walls.

4-Wall buildings allow total flexibility. All models can be subdivided with interior walls.

PANELS



STANDARD A-WALL PANEL NOISE REDUCTION IN DECIBELS

FREQUENCY	DECIBELS
125	27
250	27
500	37
1000	39
2000	48
4000	48

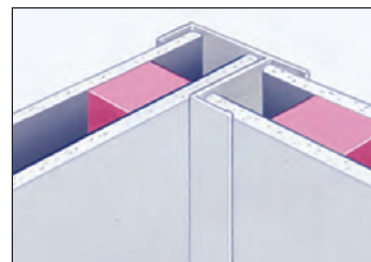
STC = 32

A-WALL panels are 2-5/8" thick, 4' wide and either 8' or 9' high. They can be cut to specific widths or stacked to meet the dimensional needs of your project. Our standard panel is constructed of two pieces of Type X, Firecode gypsum board with a specifically formulated core. It is a **superior fire barrier compared to regular core board**. The gypsum panel surfaces contain insulating ribs which **reduce sound transmission** from one side of the wall to the other. These ribs also **create three, independent wiring cavities** which are sized to accept standard electrical boxes.

An optional Poly-Core is available for buildings being located in severe environments such as refrigerated warehouses or next to production furnaces. Poly-Core increases the panel's insulating value to R-9.

A-WALL EPS Core (expanded polystyrene) panels can be used in wet environments such as food processing plants. They provide an insulating value of R-12. Wiring is surface mounted in conduit or Wiremold to maintain the wall's thermal properties. EPS Core panels are available with fiberglass reinforced plastic (FRP) or aluminum surfaces.

STC = 36 can be achieved with 24 gauge steel finish on one side of the panel.



A-WALL corner maintains a full wall thickness for uniform sound control.

Factory-Wired Wall Panel Options

Reduce assembly time! Two "factory-wired" panel options are available to eliminate the need for field installation of your receptacles and switches. Prefabricated receptacle and switch wiring assemblies are UL listed/labeled and factory installed in the wall panels in accordance with the National Electrical Code.



1. Factory Pre-Wire

The MC cables from the prefabricated wiring assemblies are equipped with box connectors. Your electrician connects them to junction boxes and rigid or flexible conduit he provides above the ceiling. The electrician also installs conduit and wire for the light fixtures, with all devices terminating at the breaker panel.

2. FLEX-4 Modular Wiring

The MC cables from the prefabricated wiring assemblies are equipped with Flex-4 modular connectors. The light fixtures are also prepared for Flex-4 cables so all of the electrical components "snap together". An electrician is only required to wire the breaker panel.



Panel Finishes

A-WALL panels are factory-finished for lasting durability.

Steel Clad Gypsum

Smooth, 24 gauge, galvanized, painted steel. Almond and white are standard.

Vinyl Clad Gypsum

6 mil., Class A fire rated, stipple textured vinyl. Bone, white and gray are standard.

FRP Clad Gypsum

Pebble textured, Class C fire rated, Fiberglass Reinforced Plastic. Khaki, white and gray are standard. Smooth and Class A also available.

Choose A-WALL unfinished gypsum panels for field painting to your specific corporate color scheme.

Electrical Devices

You can choose the locations of your switches, receptacles, phone and data boxes. Several devices can be installed in a wall panel. If additional devices are required after installation, “off-the-shelf” boxes and conduit can be used.



Light Switch



Duplex Receptacle



Phone and Data Boxes



2-Gang Light Switch



Quad Receptacle



Low Voltage Boxes

The A-WALL Advantage

Common Sense Construction

A-WALL was developed more than three decades ago using a common sense approach to creating a truly “pre-engineered” building system. Modular, in-plant buildings were available then too, but had significant limitations. Wiring could only be installed in hollow posts at the panel connections. These narrow posts limited the number, type and location of wiring devices needed in the building. They also created acoustical voids at the panel connections. This allowed sound to penetrate the wall. Furthermore, all wiring had to be done on-site, with the electrician supplying the wire.

A-WALL panels don't require hollow wiring posts. They are constructed like a permanent wall and allow virtually unlimited wiring flexibility. Switches and outlets can be installed at the factory to reduce assembly time on-site. And without wiring posts, you enjoy a quieter building. These unique benefits earned A-WALL a federal patent... And since, earned the respect of thousands of A-WALL customers worldwide.

Quiet, Fire Safe Construction

Interior walls have been built using gypsum wall board bonded to studs for nearly a century. Gypsum is durable, fire retardant, has excellent acoustical properties and is easily repaired if damaged. The standard A-WALL panel is built in the same way.

Design Versatility Without Delays

Throughout this catalog you will see “systems” that represent combinations of standard A-WALL components configured to meet typical in-plant building needs. However, when your project requires a special design or environmental controls, there are infinite ways to integrate these components and accessories to meet your project's specific needs.

Fast, Trouble-Free Installation

A-WALL buildings require 20% fewer parts than comparable building systems and the electrical devices are factory-wired inside the wall panels. Your system arrives with detailed instructions and drawings so your crew can achieve a professional looking installation using common hand tools. If you prefer, you can use A-WALL's team of certified installers.

Total Flexibility

As your needs change, so does A-WALL. Pre-engineered A-WALL panels are interchangeable and 100% reusable. Your building can be expanded, rearranged or relocated to a new location.

Significant Tax Benefits

Pre-engineered in-plant buildings are generally considered capital equipment and not a permanent improvement to your facility. As equipment, A-WALL qualifies for 7 year, accelerated depreciation compared to permanent construction's 39 years. This rapid depreciation gives A-WALL a significant price advantage.

Watch The A-WALL Advantage Videos: www.a-wall.com/advantage

A-WALL Building Accessories

A-WALL offers a turn-key application; No need for an additional quote or waiting on a separate contractor. From cabinetry, acoustical solutions, guard rails, flooring options and more, A-WALL is your one-stop shop for all your building needs.

**For product updates,
design ideas and a
gallery of unique
project photos, visit
www.a-wall.com**



Warwick Products (WP) manufacturer of **A-WALL** Building Systems & **MPC** Silent Wall, has been serving customers for 75+ years with high attention to detail and quality craftsmanship. WP specializes in custom manufacturing of commercial cabinets, casework, retail fixtures & displays. For 40+ years, **MPC Silent Wall** has been producing acoustical products. The MPC product line is a proprietary fabric-wrapped acoustical and tack panel system that mitigates distracting noise and reverberation. **A-WALL Building Systems**, acquired by WP in 2021, manufactures modular offices along with in-plant buildings that are easy to install and relocate.

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