

Tech Brief

Two-Story In-Plant Offices

With National Partitions' Two-Story In-plant Office System you can make the most of limited or wasted space and cut your flooring costs in half. Our two-story office system lets you double your floor space (and reclaim unused air space) and are excellent for supervisory offices, giving you a clear view of plant work areas. We've designed our Two-story In-Plant Office Systems so that the steel supports are fully concealed and independent of our non-progressive wall system. With this design approach, you have maximum flexibility to replace or exchange panels without disturbing adjacent panels, to quickly and easily reconfigure the structure to meet your needs.



Our two-story prefabricated modular systems are constructed in a controlled environment and construction/assembly times are only a fraction of conventional methods with substantially reduced mess and plant disruptions.

National systems also feature exclusive independent, properly anchored steel column supports using a superior rigid beam connection and our standard designs provide 75-100 psf floor loads with 1/360 deflection. Competitive systems use

their post system as a column support, greatly reducing the allowable floor load due to a "pinned" beam connection and an unanchored "slip" beam connection.

Why settle for average when you can get a better system at a better price?

National Partitions Advantages

STEEL vs ALUMINUM

Why buy a structure that costs more and offers less? While competitive structures use wall panel aluminum connecting posts as columns to support beams, we manufacture all steel components for our designs. This "value engineered" steel design approach:

- Costs less
- Gives you a stronger structure
- Is more fire resistant
- Features galvanized steel to resist corrosion
- Uses baked on acrylic enamel to match the walls



Competitive Product

No Ugly
"Zebra Stripes"



NP's Clean Look

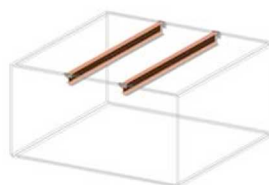
Fire Resistance Comparison

METAL	THERMAL CONDUCTIVITY	MELTING POINT (°C)
Steel	52	1500
Aluminum	190	620

SAFE AND CODE COMPLIANT STEEL DESIGNS

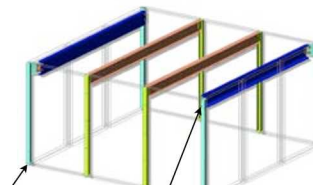
At National Partitions, safety is our priority. Making sure our steel structures are properly engineered to meet major building codes is our focus. That's why we use proper end-wall supports and "bolted and anchored" column designs and never use wall posts as columns.

OTHERS' DESIGN



Anchored
Proprietary
Structural Insert

NATIONAL PARTITIONS' DESIGN



Bolted Beam to
Insert Assembly

Advantages of Independent Column Supports

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| More Flexibility
Allows easy access to wall panels without restriction because structural steel is independent of the posts. | More Efficient
No need to over-engineer all posts to carry loads, only the components that are required to carry a load are engineered that way. | Higher Capacity
Our products can clear spans over 60 feet and carry loads over 125psf. |
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Code Compliant
We meet all major building codes (ANSI, ICC, IBC, ICBO, UBC) with our modular systems.



Code Compliant Stairs
Pre-assembled treads and rails for fast installation, they meet the latest and strictest UBC, BOCA and OSHA codes.



10 Year Warranty