STEEL STAIR SYSTEMS

All prefabricated stairs, railing and components are engineered, fabricated and powder-coated for a lasting finish and fast delivery. Each metal stair system is custom-designed to your specifications allowing for various sizes, heights and specialty metal hand rails that meet OSHA and IBC codes.

CONSTRUCTION

- Same bolt-together system as our Mezzanine Systems
- Heavy-duty columns & baseplates
- Both open & closed risers
- Free-standing system
- 1/2 Square tube handrail with 4" kickplate

APPLICATIONS

- Mezzanine Stairs
- Commercial & Public Stairs
- Apartment Complexes
- Access Stairs
- Equipment Maintenance Platforms
- Replacing Existing Stairs

STANDARD OPTIONS

- IBC or OSHA design
- Diamond Plat, Bar Grating, Grip-Strut or Concrete Treads
- Galvanized or powder-coated steel
- Specialized railings with Pickets, horizontal railing/wiring, or Lexan/Plexiglass
- Custom tread widths

Custom options are also available including mobile stair systems, alternating treads, and multiple landing options

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OSHA VS. IBC STAIRS

What is the difference between OSHA and IBC approved stairs, and which stairs should you select for your next project?

First you will need to determine what local building code requires. There are typically higher standards for areas that are open to the public and high traffic areas than areas that are utilized only by employees and low traffic areaas. In general terms, OSHA standards are less stringent than IBC standards and are more commonly utilized in government facilities. IBC standards are preferred and more prevalent in private industry.

Breakdown of Major Differences

	OSHA	IBC
Horizontal Run	With OSHA Stairs the horizontal run and the length of the stairwell, is approximately equal to the height of the deck. For instance if the mezzanine deck height is 10', the stairwell is 10' long.	IBC Stairs have a horizontal run that is approximately 1.5 times the deck height, not including landings or handrail extenders, so a 10' high mezzanine deck would have an approximate 15' long stairwell.
Risers & Tread	OSHA Stairs typically have an 8" open riser and an 9 1/2" tread depth.	IBC Stairs have a 7" max & 4" minimum closed riser and an 11" tread depth.
Stair Width	OSHA Stairs are minimum 22" wide.	IBC Stairs are minimum 36" wide in most cases
Railings & Guardrail	OSHA requires railings on open sides of stairwells and a handrail on at least on side, preferably the right side descending at 36" high.	IBC Stairs require rails of 42" high and handrails of 36" high on both sides of the stairwell.
Landings	Both OSHA and IBC require landings at the top and bottom of the stairs, although IBC landings are larger, typically 4' square.	IBC also requires an intermediate landing on stairwells for stairwells over 12' high, as well as handrail extensions at the bottom landing.

DESIGN COMPONENTS, INC. metal building accessories since 1978

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