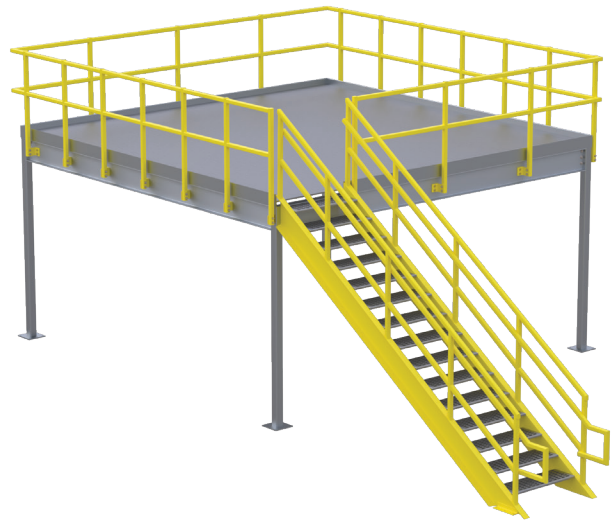




MEZZANINE SYSTEMS



Powder-coated structural steel mezzanines and stair systems pre-fabricated to your specifications - with custom sizes, heights, spans, decking materials and landings. Convert wasted space into a useable area for your facility!

CONSTRUCTION

- Modular bolt-together systems
- Sturdy handrail with 4" kickplate
- Heavy-duty columns & baseplates
- Heavy-duty prefabricated stairs and accessories
- 4-MIL powder coated steel components provide a superior level of durability against abusive, corrosive applications

STANDARD DECKING OPTIONS

- **Advantech** - This is a high quality product superior to ordinary plywood and OSB options due to its enhanced strength and moisture resistance
- **ResinDek** - High density composite flooring, recommended for mezzanines requiring a solid floor subject to heavy loads from the use of pallet jacks, carts or dollies
- **Concrete Flooring** - The most durable type of mezzanine flooring by far
- **Diamond Plate** - This is considered to be our second most durable flooring
- **Press-locked Grating** - A common choice in the waste management, mining, and food service industries



DETAILED DECKING OPTIONS



Advantech

One of the most common options for decking a mezzanine is to use corrugated steel decking material covered by a layer of Advantech: A high quality product superior to ordinary plywood and OSB options due to its enhanced strength, stiffness, and moisture resistance. It's advanced density provides a solid and secure resistance to foot traffic, and is designed to withstand weather conditions better than ordinary plywood. This decking method is considered to be our most economical selection and materials are readily available.



Welded Grating

There is one other option for mezzanine floors which is preferred in many applications because of the insurance benefits. Welded grating, is a common choice in the waste management, mining, and food service industries. Steel grating allows for air, light, heat, and fluids to pass through the deck surface. It is strong, durable and virtually maintenance free. Welded grating is a system of interlocking, perpendicular bars; it provides a smooth clean look and excellent lateral support. Steel grating can be an economical choice due to the fact that in many cases, insurance companies will only require sprinkler systems above the mezzanine, since the open grating allows the water to reach lower levels.



ResinDek

Another viable option similar to Advantech is ResinDek: A high density composite flooring recommended for mezzanines requiring a solid floor subject to heavy loads from the use of pallet jacks, carts or dollies. This option is installed over 20g. corrugated steel decking and has a load capacity of up to 2,000 lbs. It has an acryseal surface which is not only skid-resistant but also easy to clean. Available in a Gray Diamond Seal finish, ResinDek is ideal for interior decking where heavier loads and/or a more "finished" look are desired.



Diamond Plate

If durability is a serious factor in your decking decision, you may want to consider a diamond plate floor. Heavy-duty steel tread plate (diamond plate) is generally installed over Advantech. Advantech is mounted over corrugated steel deck to provide greater durability with higher point load and wheel load capacities. It also enables a quiet floor for the work environment as opposed to having diamond plate directly over a steel deck. This decking is considered to be our second most durable flooring.



Concrete

The most durable type of mezzanine flooring by far is concrete. With a high point load and minimal transmission of noise through the deck, concrete should be used in high capacity industrial and military applications where the mezzanine is considered to be permanent. Steel decking is provided with pour stop needed to pour up to a 6-inch concrete floor.



TECHNICAL DATA

STANDARD COLOR OPTIONS



39/40010
ROYAL BLUE



39/80010
GLOSS BLACK 80+



39/20020
SAFETY YELLOW



39/30100
FIRE ENGINE RED

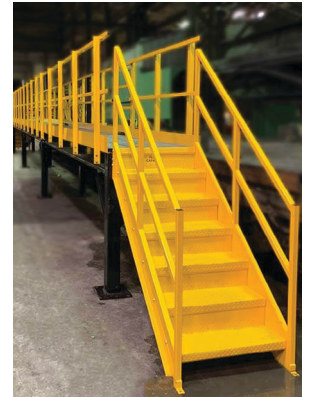
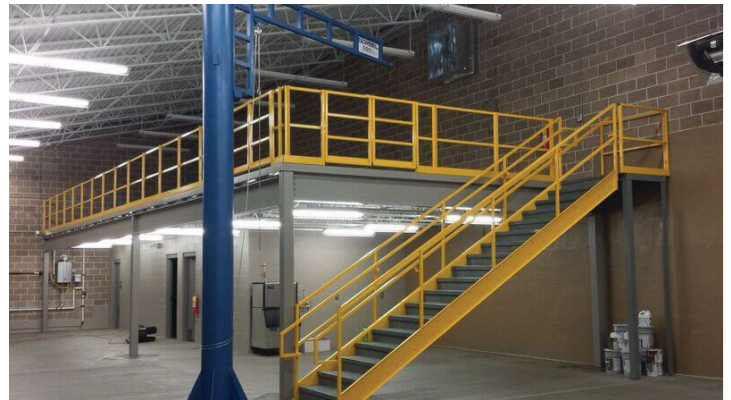


39/10100
ASA-49



39/10100
SKY WHITE

APPLICATIONS



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 areas. 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.

