

Bring Your Business

To New HEIGHTS™



Smart Space
MEZZANINE

QUALITY *Structural Design*



Industry Experience

Smart Space Mezzanine has over 34 years of experience in the material handling industry. Our experienced, time tested, innovative designs and proven quality control have been the foreground of our success.

Quality & Affordability

Quality and affordability is our priority. Let's face it, with the market as competitive as it has been in years we must charge less to maintain a steady flow of work without jeopardizing a high quality product. This can ultimately work to our client's advantage while keeping work here in the USA.



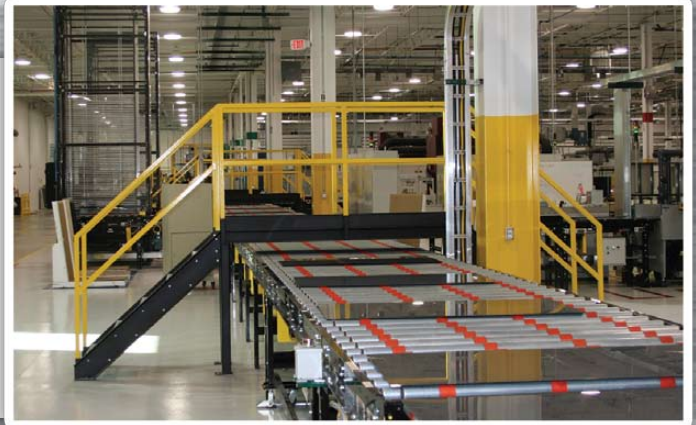
Customer Compliance

Smart Space Mezzanine provides superior customer support. Deadlines become a problem of the past. Smart Space's strong network of qualified representatives work closely with our highly skilled engineers and fabricators to create timely, high quality mezzanines.

WHY *Smart Space* MEZZANINE

Why Smart Space?

Simple. Our goal is to provide our customers with the highest quality products. Smart Space provides high quality structural mezzanines for industrial, commercial and institutional applications. Our engineers will design to meet your specific needs.



5 Point Check-Off

- 1** Deck size: With Smart Space there are no limits to the size of your mezzanine. Consider future expansion when calculating the deck size. Bolt on connections can be put on your support columns now to allow for easier additions later.
- 2** Capacity: Take a moment to consider what you are doing with your Smart Space Mezzanine now and what you may do with it in the future. You may be using it for light storage now, but later it could be used as additional production space. Will you be using pallet jacks, or is this a simple hand stack operation? Do you ever want to store a piece of equipment with a point load, or is the deck to have a uniform load rating?
- 3** Foundation: During the planning stage it is very important to lay out the floor supports. Mezzanines are typically built to gain floor space. Make sure the columns are laid out to maximize your existing floor space. One of the most important structural components to your new Smart Space Mezzanine is the condition of your existing concrete. Test drill the area your mezzanine is going to be installed. If you don't have the proper concrete pad a larger base plate might be the best option.
- 4** Code: We build to meet OSHA, IBC, UBC, SBC, BOCA and ADA. The code you choose will affect the cost of the project. Make sure the proper code is used to prevent future alterations to your structure.
- 5** Access: There are many options to consider as to how you will access your Smart Space Mezzanine. First consider how often your mezzanine will be accessed. The second is your layout. Do you have room for a standard straight run staircase or are other layouts necessary? Consider how the mezzanine will be loaded; hand carried items, fork truck access gates or a freight lift.

Stairways and Landings

Design Function is typically overlooked for all mezzanines. The application must be carefully considered. For instance, if public access is your main use, then a ship's ladder or spiral staircase isn't the correct option for you. There is a big difference between a structural staircase and a roll formed, quick ship, knock down staircase. The latter of the two is a shaky climb to the mezzanine deck, while the structural gives a safe secure feeling.

Straight Run

Staircase with a landing:

- Closed treads and risers.
- Open treads.
- Self supported design.



U-Shaped or Switchback

Here is a picture of a U-Shaped or Switchback staircase. This was used because of floor space limitations.



Intermediate Landings

Intermediate landings are used to meet code requirements. They are required when deck heights exceed 12'. Landings are also used to change the direction of the staircase.



Gates

Gates are used for pedestrian pass-thru and fork truck access. The most common designs are swing gates, lift out gates, and sliding gates. Here is a photo of a swing gate.

Safety Ladders

Safety ladders are used for emergency access, for low usage or with limited floor space.



Ship's Ladders

Ship's ladders and crossovers are used for low usage and when floor space isn't available.



Specialty Gates

Specialty gates are utilized when safety is of high concern. An overhead safety gate prevents personnel from getting near an opening on your mezzanine.



VRC Vertical Reciprocating Conveyors are for freight only. They help prevent injuries and damage to your product. If you plan on moving product on or off your mezzanine several times per day, then a VRC should be considered.

Applications of Use

- Two-Story Offices
- Vision Towers
- Dust Covers
- Storage Space
- Catwalks
- Manufacturing Space
- Equipment Support

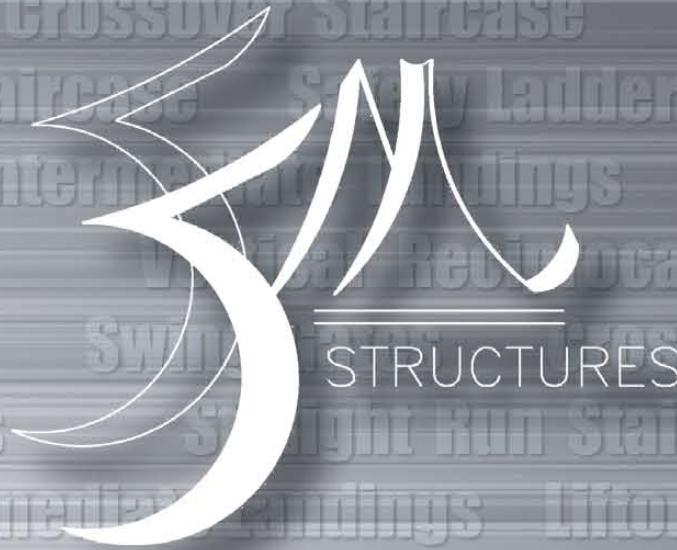


- Warehousing
- Lunch
- Breakrooms
- Elevated Work Platforms



Mezzanine and Decking Options

Deck Type	Description	Typical Applications
Roof decking	Galvanized or painted, 22, 20 and 18 gauge available.	Dust cover, future second floor office, concrete deck.
Resin board, T&G plywood, T&G OSB over roof deck	Resin board is a high performance wood deck with a slight increase in price over conventional decking materials.	Office space, light storage.
Roof deck with floor plating	Smooth floor plate or diamond plate, 12 gauge or heavier.	Manufacturing floor, equipment support, non-combustibility is required.
Steel Bar Grating	Both smooth or serrated, 1" x 1/8" to 2-1/2" x 3/16".	Used in heavy industrial designs, fire suppression requirements, ventilation requirements.
Roof decking with concrete	Roof decking pan to be used with reinforced concrete.	More permanent applications, greater capacity, chemical and production applications.
Specialty products	Fiberglass and plastic gratings, stainless steel, aluminum.	Food and health care applications, corrosive environments.



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Manufacturing Plant

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