



The Abtech Mezzanine System is a Free-Standing, Modular Steel Structure that can be used in a variety of space saving concepts. Common uses include: Storage Platforms; Elevated or Multilevel Offices; Vision Towers; Equipment Platforms; etc. Floor-space can be increased quickly and economically. Our Modular design easily allows for future expansion or relocation to a different facility.



- MULTI LEVEL SYSTEMS
- OFFICE/MEZZANINE SYSTEMS
- VISION TOWERS
- CAGE SYSTEMS
- CATWALKS
- COMPLETELY MODULAR DESIGN
- EXPANDABLE AND RELOCATABLE
- INSTALLATION OPTION
- DESIGN AND ENGINEERING
- LONG, CLEAR SPANS
- HIGHLY DURABLE/LONG LASTING

Abtech Mezzanines are designed to meet the customer's size and loading requirements. Structural Steel Members are prefabricated and painted for Installation by end user or Factory Trained Installers. Systems can be Structurally engineered to meet different seismic zones and existing conditions. Optional Modular Walls, Wire Mesh Fence, Gates, Handrail, Stairs, Ladders, Lighting and Electrical packages are also available.

model#	nominal size	model#	nominal size
STM-2020	20'0"X20'0"	STM-3030	30'0"X30'0"
STM-2022	20'0"X22'0"	STM-3032	30'0"X32'0"
STM-2024	20'0"X24'0"	STM-3034	30'0"X34'0"
STM-2026	20'0"X26'0"	STM-3036	30'0"X36'0"
STM-2028	20'0"X28'0"	STM-3038	30'0"X38'0"
STM-2030	20'0"X30'0"	STM-3040	30'0"X40'0"

Specify Clear Height: (8)=8 ft. (10)=10 ft. (12)=12 ft. (14)=14 ft. (16)=16 ft. Example: for STM-3034 Class Mezzanines, add "12" to model# (STM-3034-12) for 12' Clear Height.

If necessary, custom Clear Heights are available.

Specifications are subject to change without notice.

DECKING:

Abtech provides a variety of decking surfaces depending on load and traffic requirements. The 1 1/2" thick steel deck is covered by 1 1/8" thick T & G Plywood, which handles the most standard mezzanine design loads at 125 psf. Furthermore, a variety of flooring can be utilized. In some office applications 1 1/8" Plywood may be adequate without Metal Deck.

STEEL GRATING is available in two different forms. Bar Grating (stronger and more costly) and Roll Form Grating are good choices, when Sprinklers or Lighting fixtures are not practical below the Mezzanine.

STEEL CHECKERED PLATE in 1/4" thickness provides a durable nonskid surface. It can also be painted and is good for high traffic areas. OPTIONAL floor coverings are Vinyl Tile, Rubber Tile, Vinyl Sheet Flooring, Carpet.

TOUNGE AND GROOVE
PLYWOOD OVER CORROGATED
GALVANIZED STEEL
DECKING

3" SQUARE
STEEL COLUMN

PREFABRICATED STEEL
DIAMOND PLATE OPEN
RISER STAIRS AND
LANDING



8" SQUARE
STEEL COLUMN

12" STRUCTURAL STEEL
CHANNEL PERIMETER
FRAMING

STAIRS AND LANDINGS:

Stairs are provided with Structural Steel Stringers and 36"x12" Steel Checkered plate Treads with open riser. Standard 2-Rail Handrail is included. Landings are prefabricated and predrilled for bolted connection to Mezzanine and support Columns. Standard 2-Rail Handrail with 4" Toekicks are provided.

HANDRAIL:

Handrail is 1 1/2" square Tubing and includes a top rail, center rail, and 4" Toekick plate. Overall height is 42". Rails are painted Safety Yellow and are Predrilled for bolted connections. Optional designs include Wire Mesh, Solid Panels, and additional Rail requirements based on occupancy.

BEAMS:

Wide Flange Structural Steel Beams span across the Mezzanine and support the decking on 4' centerlines. They are predrilled for attachment to Perimeter Channels.

PERIMETER CHANNELS:

Perimeter members are Structural-C sections of various sizes (depending on loading and span) with predrilled Beam Flanges and ends for bolted connections. These members are attached to the Columns and provide support for Beams.

COLUMNS:

Columns are standard 8"x8"x1/4" Steel tubing. Steel plate flanges are provided for bolted connections between Columns and Perimeter Channels. Base Plates are minimum 12"x12"x1/2".

GATES:

Gates can be provided for additional access for loading and unloading materials. Lift Out, Hinged, Double Hinged, and Sliding are further options.

OPTIONS:

Optional materials include Office Enclosures top and bottom levels, Multi story configurations, Wire Mesh Enclosures, Ladders, Closed Riser Stairs, Multi Level Stairs and Landings, Catwalks, Lighting Systems.

INSTALLATION:

Factory installation is available for the full line of materials.

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