



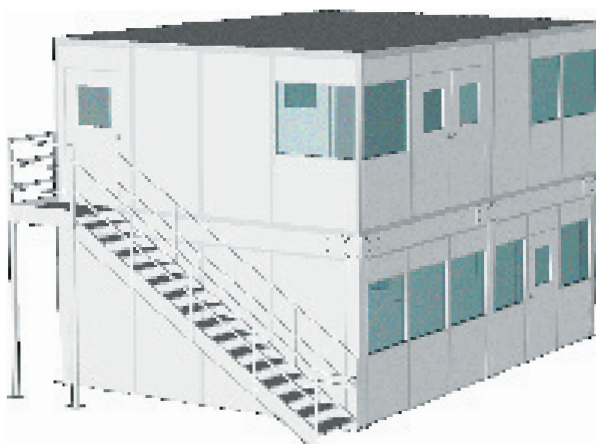
INPLANT OFFICE

- ONE & TWO STORY INPLANT OFFICES
- OFFICE MEZZANINE SYSTEMS
- FORKLIFTABLE GUARD BOOTHS
- PARTITIONS
- CLEANROOMS
- ENVIRONMENTAL CONTROL ROOMS
- COMPLETELY MODULAR DESIGN
- EXPANDABLE AND RELOCATABLE
- INSTALLATION OPTION
- DESIGN AND ENGINEERING
- MANY WALL FINISHES AVAILABLE

Abtech IP3 Inplant Offices provide the “End-User” with a Modular System which serves to divide a large work space, such as a warehouse or a manufacturing plant, with an environment suitable for the administration of business. They can be designed as a single, open area unit, or with interior walls to separate personal work space from a main office area. Partitions can also be provided. Aesthetically pleasing as well as functional, our Inplant Offices are manufactured to create or augment any space so your business makes the impression you want it to.

The Abtech IP3 Series Inplant Offices can be constructed in a variety of ways, using our pre-defined specifications, or implementing an “End-User” custom design. Options for construction include single story or two story modular office systems, and they can be built to serve a specific purpose other than office space, such as Vision Towers. As it is a completely modular system, expansion and flexibility provide major construction advantages. The many upgrade opportunities to enhance efficiency and utilization make the IP3 Series a great way to integrate an office environment within any inclosed setting.

Call factory direct for prices on standard or custom sizes.



TWO LEVEL INPLANT OFFICE

Single Level Offices

model#	nominal size	model#	nominal size
IP3-STM-888	8'6"X8'6"	IP3-12128	12'6"X12'6"
IP3-STM-8108	8'6"X10'6"	IP3-12148	12'6"X14'6"
IP3-STM-8128	8'6"X12'6"	IP3-12168	12'6"X16'6"
IP3-STM-10108	10'6"X10'6"	IP3-12188	12'6"X18'6"
IP3-STM-10128	10'6"X12'6"	IP3-12208	12'6"X20'6"
IP3-STM-10148	10'6"X14'6"	IP3-16168	16'6"X16'6"
IP3-STM-10168	10'6"X16'6"	IP3-16188	16'6"X18'6"
IP3-STM-10188	10'6"X18'6"	IP3-16208	16'6"X20'6"
IP3-STM-10208	10'6"X20'6"	IP3-20208	20'6"X20'6"

Specify All Desired Custom Changes At The Time Of Ordering. IP3 Standard Height is 8'. If Necessary, Custom Heights Are Available.

Specifications are subject to change without notice.

PANELS:

The panels are nominal 3-inch thick with standard sizes from four feet wide by eight feet tall to four feet wide by ten feet tall. Custom heights over ten feet are also available. Panel construction varies over a wide range.

- **Standard panels** are vinyl laminated 1/8" tempered hardboard, both sides of honeycomb core.
- **Fire and sound rated panels** are vinyl laminated 1/2" gypsum, both sides of expanded polystyrene foam core.
- **Exterior building panels** have prefinished 1/8" forest fiber hardboard exterior and vinyl laminated 1/8" tempered hardboard interior with an expanded polystyrene foam core.
- **Metal wall panels** will have either 26 ga. pre-painted steel or .019 prepainted aluminum skins laminated to 1/8" tempered hardboard, both sides of honeycomb or expanded polystyrene foam core. Many more custom panel configurations are available.

POSTS:

Posts are to be of four-piece design to form a non progressive wall system. Cavity of posts will allow use of approved steel electrical boxes that are now required by building codes. Posts shall also act as raceways for phone lines, data lines, and other electrical lines. Structural design loading on posts allows up to 4,500 vertical pounds or an additional structural steel cavity insert can be installed for loads up to 12,000 lbs. The structural elements of the posts shall be connected by machine bolts and nuts no more than 18" center line. All extrusions shall be 6063-T5 aluminum, minimum .062 thickness, with a clear anodized finish.

CORNER POSTS:

Corner posts will be of single piece construction and support loads of up to 4,500 vertical pounds. Structural steel cavity inserts can be added for loads up to 12,000 pounds. Material will be 6063-T5 aluminum, minimum .062 thickness, and clear anodized finish.

BASE CHANNEL:

Base channel provides support for wall panels and posts while allowing space for anchors or post uplift connectors. Its low profile design is aesthetically pleasing and eliminates the need for additional base molding. Material shall be 6063-T5 aluminum, minimum .062 thick, and clear anodized finish.

CAPPING CHANNEL:

Capping channel acts as a support for vertical deck loads in addition to serving as a continuous diaphragm member. Material is 6063-T5 aluminum, minimum .062 thickness, and clear anodized finish.

DOORS:

Doors will be 1 3/4" thick and standard 42" wide by 80" tall to accommodate equipment or furniture. Door material will match wall panels and be framed in an aluminum channel for heavy traffic areas. Door jamb is a heavy duty extrusion designed to eliminate weak door panel frames. All doors are factory prehung with hinges and door lockset. Windows with 3/16" tempered safety glass are optional. Extrusions are 6063-T5 aluminum, minimum .062 thickness, with clear anodized finish.

WINDOWS:

Standard fixed windows are 44" wide by 40" tall with 3/16" tempered safety glass installed in aluminum frame. Window units are completely modular. Horizontal sliding and pass thru windows can also be provided. Frames are 6063-T5 aluminum, .062 minimum thickness, with clear anodized finish.

ROOF DECK:

Roof deck is designed to act as building diaphragm and support ceiling loads of up to 15 lbs. per sq. ft. Deck can clear span to 20 feet length. Material is 22 ga., corrugated, galvanized steel. Thicker material can be used for heavy loading.



CEILING SYSTEM:

Ceiling grid will be heavy duty white enameled steel T-BAR hung from roof decking by 12 ga. galv. ceiling wire and self tapping sheet metal screws. Ceiling tiles are 2' x 4', 5/8" thick, random fissured, vinyl faced rigid fiberglass. Additional R-19 insulation is optional.

FLOOR:

Optional 12" x 12" x 1/8" thick Vinyl tile or Carpet

ELECTRICAL:

Fluorescent light fixtures are 2' X 4', 4-TUBE, 120v, less tubes. Duplex outlets and light switches, 120v, with approved electrical box and post knockout (conduits and wire not included).

HVAC:

Thru wall systems or central air systems are available. Consult factory for design assistance.

INSTALLATION:

Factory installation is available for the full line of materials.



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.

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.



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.

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.

Specifications are subject to change without notice