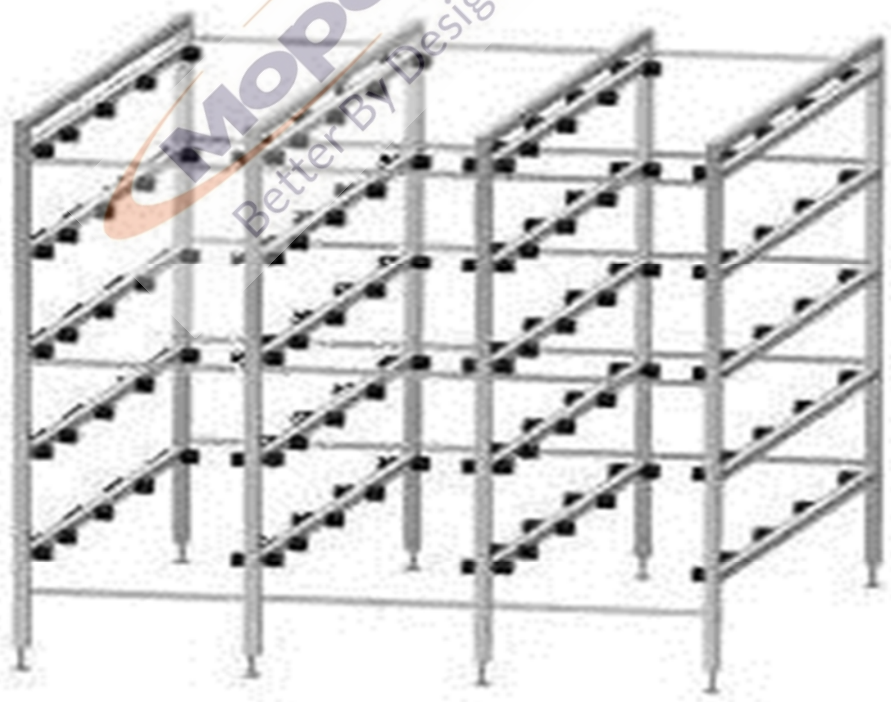
USER MANUAL

IE Series
Body Storage Rack



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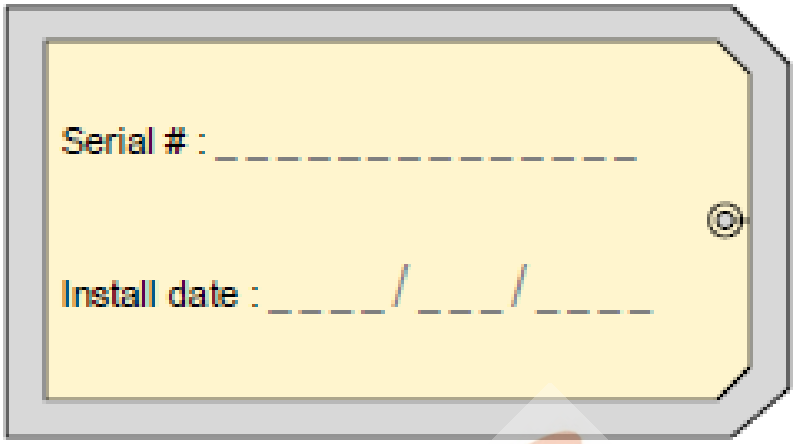

Mopec®
Better By Design™

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UNPACKING

1) Carefully inspect the exterior of the shipping container before opening. If the crate is damaged and the product has sustained damage then immediately contact Mopec and the freight carrier. **Never discard the shipping container even if it is damaged beyond recognition.**

2) Have the delivery driver note any suspected damage on the Bill of Lading and sign it. Mopec will help assist in filing a claim for product repair and/or replacement.

3) Carefully open the containers and inspect the equipment for concealed damage. If visible damage is noticed (i.e. broken welds, dented stainless, scratches, etc.) follow through as noted above. Do not discard the shipping material. They are important in settling claims.

CAUTION: There are loose components in the packaging of your product. Be very careful in examining the packaging material as it may contain installation parts and/or product components.

INSPECTION

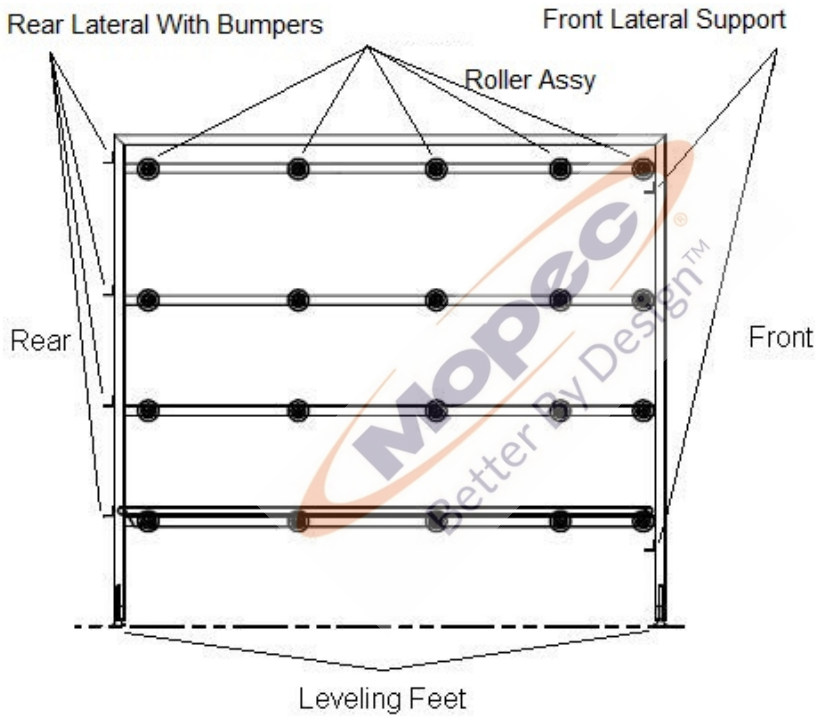
1) After carefully unpacking your Mopec Grossing station please inspect the items in the list below prior to installing the unit. The Grossing station should be thoroughly checked for loose screws, defects, or damage that may have occurred during shipping or packaging.

INSTALLATION/ASSEMBLY

Installation and assembly would be best accomplished with 3 personnel

Unpack the crates and locate the hardware, bumper rails, front support rails and the end pieces. The end pieces will be the frame with the rollers on only one side.

1. The front of the IE Rack will have two sets of bolt holes for lateral supports (One at the bottom and another towards the top). The Rollers are closer to the front than they are to the back of the frame.
2. The back of the IE Rack will have bolt holes for each lateral support with Bumpers. Each tier of storage will have a bumper rail.



Detail 1

3. The unit should be assembled one column at a time starting at either end
    a. Start by placing the end frame in the general position it will be in when fully assembled
        i. Lay out the rear lateral supports (With Bumpers) behind the frame
        ii. Lay out the front lateral supports in front of the frame
    b. Place the back rails with the bumpers behind the end frame
    c. Place the front rails in front of the end frame
    d. Place the other end frame on the opposite wall from the beginning side
    e. Place the middle frames next to the end frame
4. Bolt on the bottom rear bumper rail on the back of the end frame. Do not tighten at this time. (See next page).
5. Bolt on the top rear bumper rail on the back of the end frame. Do not tighten at this time

6. While holding frames, place a middle frame (rollers on each side) near the first set of holes on the real lateral support
7. Bolt the middle rack frame to the rear top and bottom bumper rails. Hold frames plumb and tighten nuts and bolts
    a. If the rack is a single or double bay cross members will be necessary and provided to stabilize the rack from shifting or leaning.
8. Tighten the bolts on the end frame. This will give the frame some support.
9. Bolt the bottom front support rail to the end frame and the middle frame on the inside of the rack. (the support rail should be under the roller tube) See Detail 1.
10. Bolt the top front support to the frames and tighten completely
11. Adjust leveling feet to allow a ¾" to 1" lower height in the rear of the IE Rack. The front edge of the frames should be no more than 1 inch higher than the back and the same distance across the front of the rack. The rack must be plumb and square.

    Repeat these steps until all sections of the IE Series Mortuary Rack are assembled. Go back and ensure all bolts are securely tightened.

In California, Seismic brackets must be installed. These will automatically be added to your materials. See the print in the drawings section.

Seismic Brackets are installed on the corners of the IE Rack when it is being assembled on site. The brackets are attached to the floor in accordance with local codes and the instructions on the drawing. This will secure the rack to the floor. For each rack there will be 4 brackets.

INTRODUCTION

Congratulations on your purchase of Mopec's IE SERIES Mortuary Rack.

The mortuary rack is an economical and efficient means of mass storage of cadavers. Each mortuary rack storage bay is provided with a body tray. The unit is designed for on-site assembly. No welding is required. Stainless steel type 304 with a #4 satin finish used throughout unless otherwise specified.

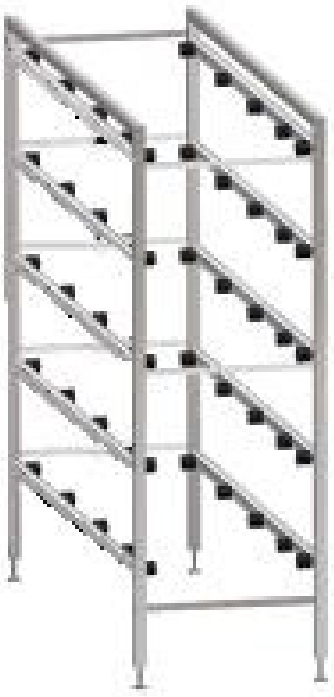
IE Racks have three standard models:

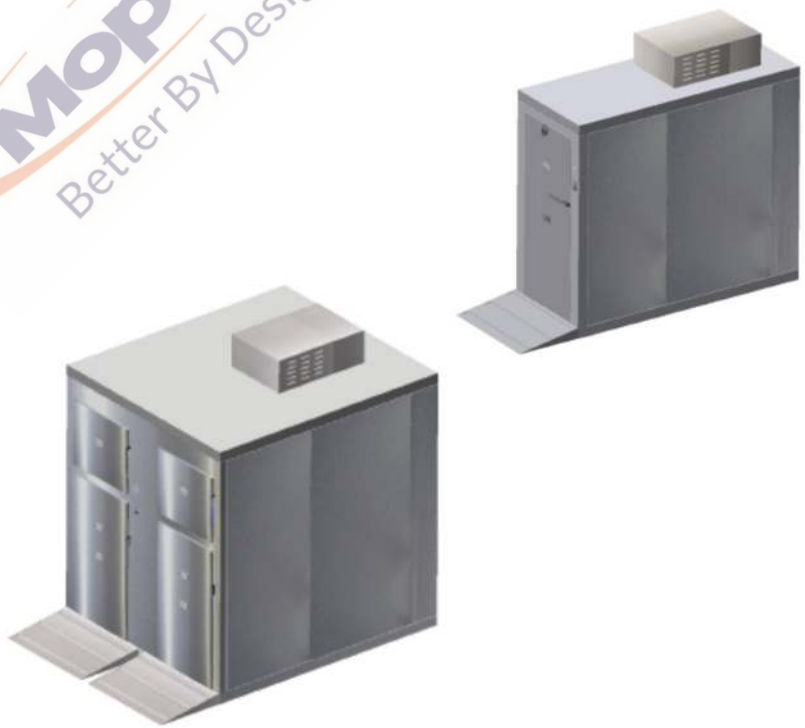
IE100 is for the JC100 23" wide tray
IE101 is for the JC101 27" wide tray
IE200 is for the GA100 32" wide cart top

The body trays have the option of having a drain hole and plug or no drain hole and plug. This must be stated at the time of the order.

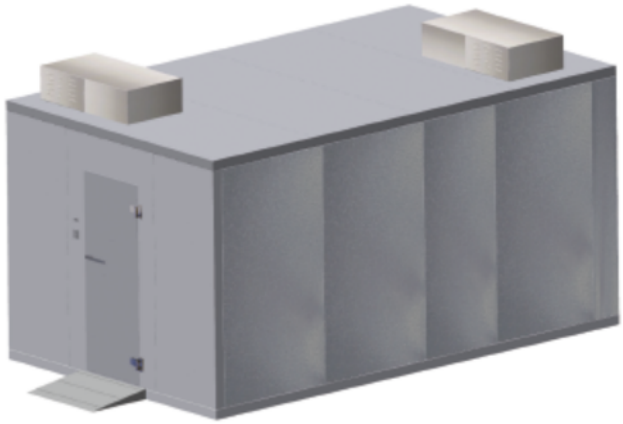
Your comments and suggestions are always welcome, so call and let us know what you think of the IE SERIES Mortuary Rack

Single IE Rack for KB, KD or KJ or for a cooler with an end opening door





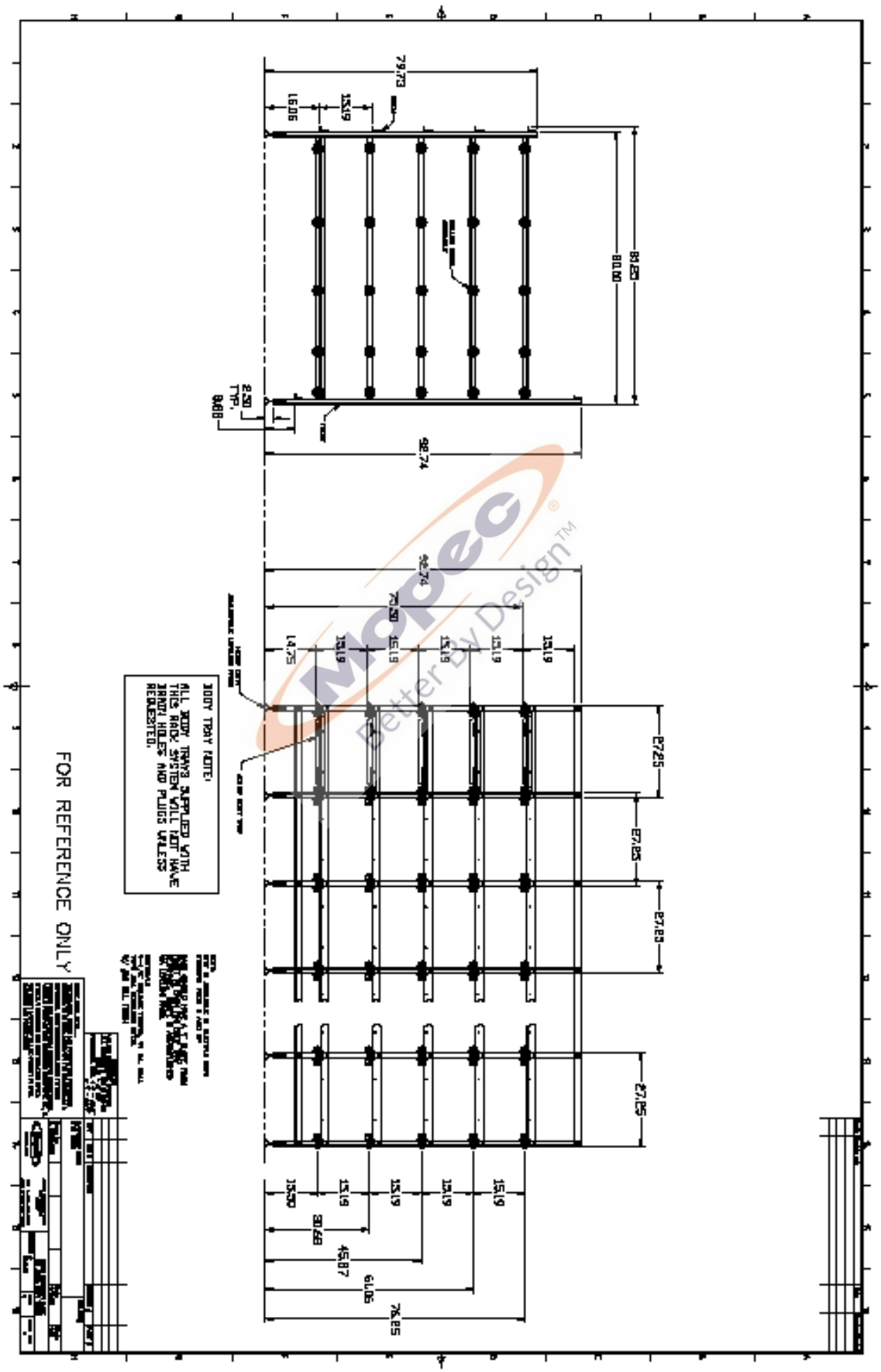
For walk in coolers that have adequate space inside the cooler can handle removing the trays from the rack, placing on carts or carrying the tray out the door.



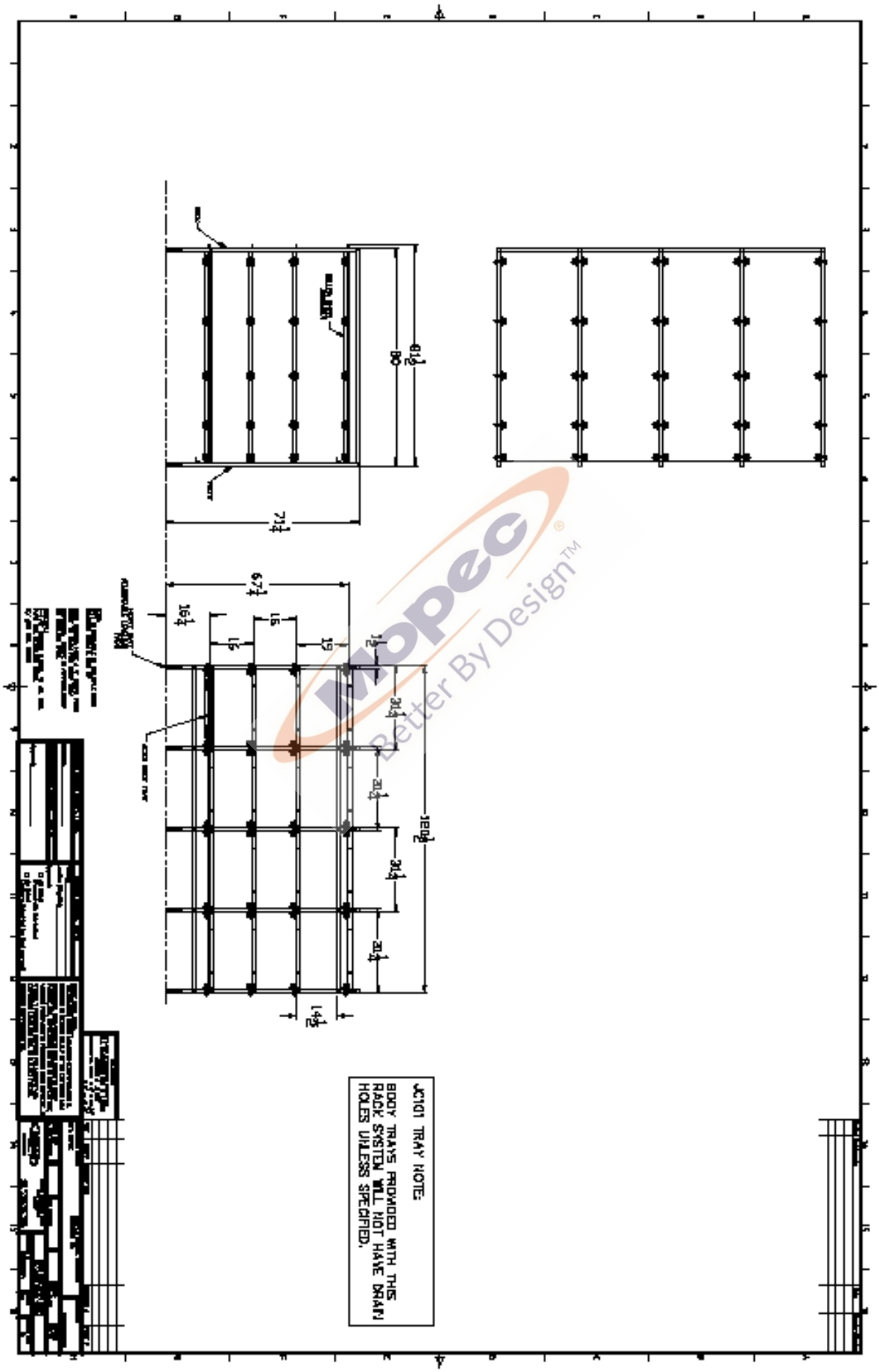
Multiples of Bodies in a walk in Cooler can be configured to meet customer size and space requirements.

UNIT DRAWINGS

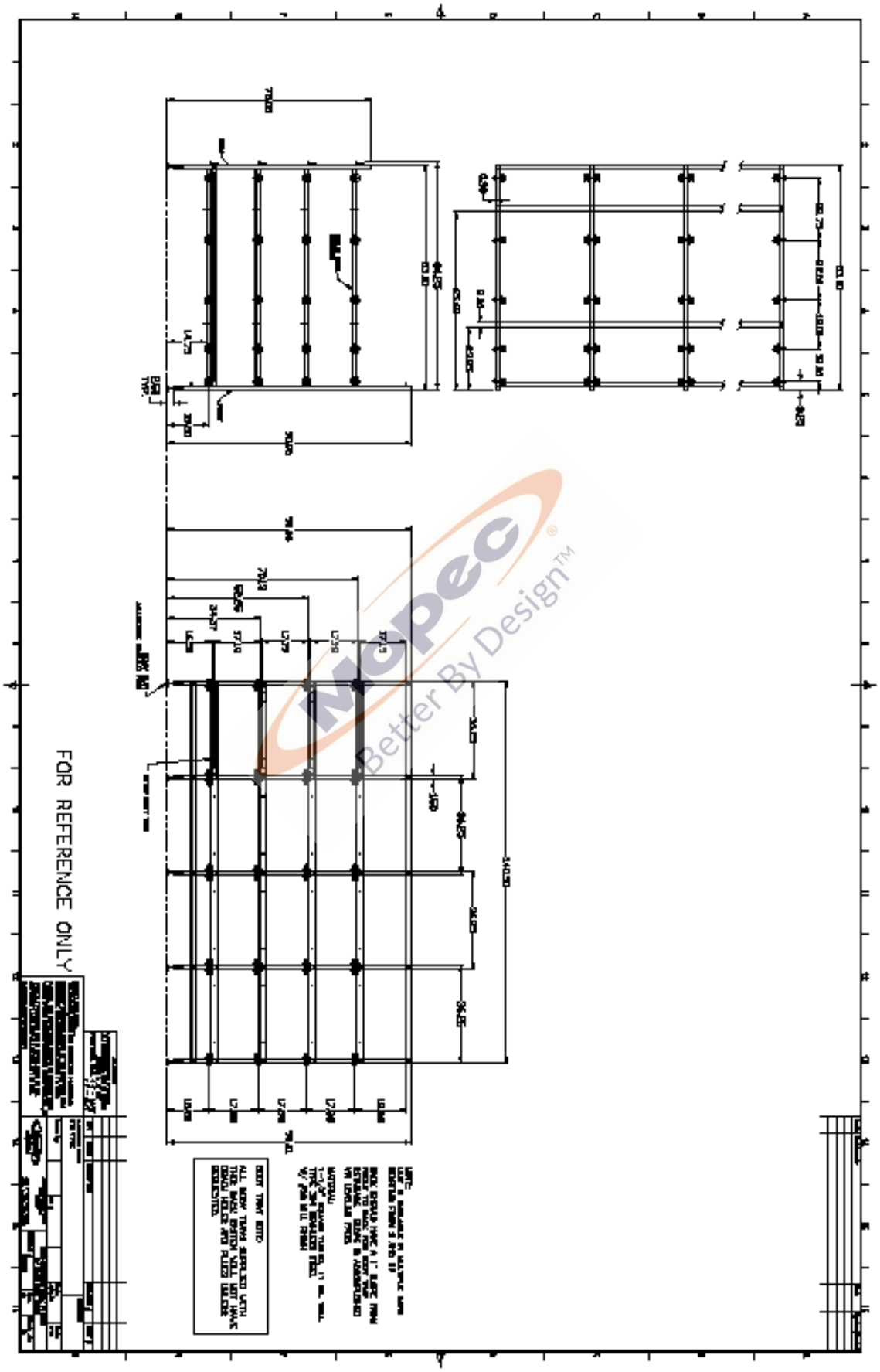
IE100



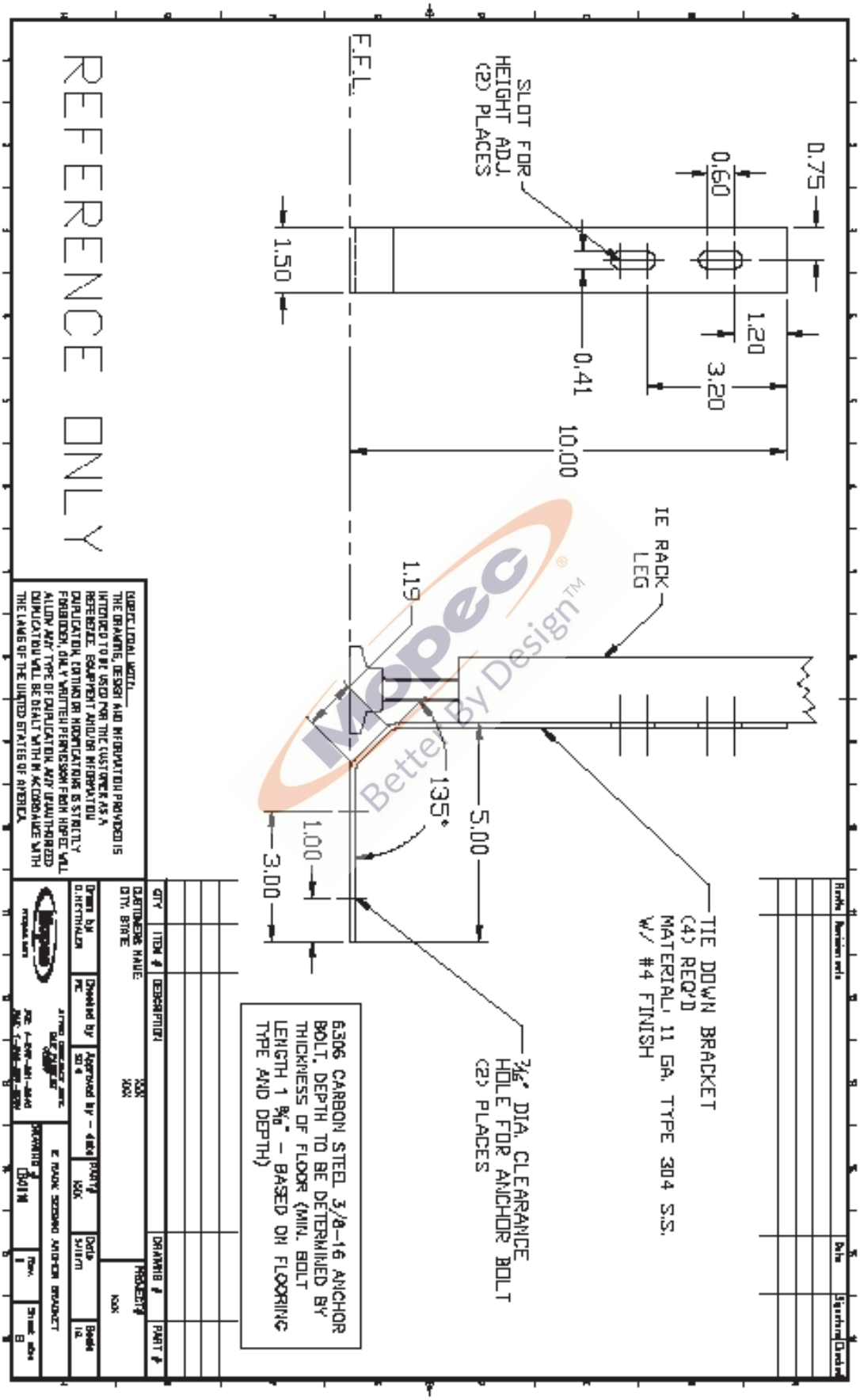
IE101



IE200



SA100


0.75
0.60
1.20
3.20
SLOT FOR HEIGHT ADJ. (2) PLACES
0.41
10.00
F.F.L.
1.50
1.19
135°
1.00
3.00
5.00
IE RACK LEG
TIE DOWN BRACKET (4) REQ'D MATERIAL 11 GA. TYPE 304 S.S. W/ #4 FINISH
13/16" DIA. CLEARANCE HOLE FOR ANCHOR BOLT (2) PLACES
6306 CARBON STEEL 3/8-16 ANCHOR BOLT. DEPTH TO BE DETERMINED BY THICKNESS OF FLOOR (MIN. BOLT LENGTH 1 9/16" - BASED ON FLOORING TYPE AND DEPTH)
REFERENCE ONLY
Mepeo
Better By Design™

FEATURES

Frame: The roller rails and upright support columns are made of 1-1/2" square heavy-duty 11gauge stainless steel tubing with a #2B finish. The frame is a completely welded assembly and no mechanical fasteners are used.

Roller Wheel Assembly: The roller wheel assemblies are comprised of replaceable nylon roller wheels that will not rust. Each bay has ten roller wheel assemblies (five per side).

Rear Bumper: The rear support bars have rubber bumpers which will absorb the impact of a loaded tray. Each compartment has 2 body tray bumpers. The support bar material is 1-1/2" wide heavy-duty 11 gauge stainless steel angles.

Stainless Steel: All of the components used in the fabrication are 304 stainless steel unless otherwise specified.

Welding. All welds are a continuous type, yielding an approximate radius of 3/16". Welds will be smooth, free of burrs and brushed to remove any discoloration.

Leveling Feet: Each section of the IE Rack has front and back leveling feet to allow for a gentle slope to the back. This also allows for any floor variance.

Construction. Each section is modular construction and completely self-supporting.

OPTION

At the time of ordering you have the option of adding drain holes and plug and chain kit

Seismic Bracket: Seismic brackets are an option for areas that have a requirement and are installed on the corners of the IE Rack. This will secure the rack to the floor. For each rack there will be 4 brackets.

Seismic Bracket Part Number is **SA100**

LOADING AND UNLOADING THE RACK

Loading

1. When loading the IE rack, the body should be placed on the body tray with the feet at the drain hole end.
2. Utilizing your lift device to support the tray. Position the feet end of the body tray to the back of the rack.
3. Choose your desired location in the rack and roll the tray into the desired space. The tray is supported on the rollers as it is put into the rack.
4. The tray is kept in position via gravity.

Unloading

1. Move your lift device to the desired location of the tray you wish to move.
2. With two hands, pull the body tray onto the lift.
3. The tray is supported by the rollers on the rack and the lift

DISINFECTING STAINLESS STEEL SURFACES

All stainless steel surfaces can be cleaned with soap and water, which will remove debris.

The stainless steel surfaces can be disinfected with a non-caustic disinfectant. We suggest using BE045 Path Cloud or BE047 Bench Wipe for cleaning purposes. We recommend you **NOT USE** a bleach solution to clean your unit. Bleach will eventually erode stainless steel if not thoroughly rinsed. The use of chlorine bleach will **VOID THE STAINLESS STEEL WARRANTY**

To maintain your stainless steel product, follow these four steps:

1) **Never, ever use wire brushes, Brillo, steel wool or abrasive cleansers (like Ajax or Comet).** If something needs to be aggressively cleaned only use a Scotch-brite pad or similar product and only scour with the "grain" of the stainless. As an example, please reference the photo on page 2 of this document. It is clear that a very abrasive product was used in an area on the unit and that did not follow the grain of the stainless. The effects of this scratching may diminish over time with proper care but the effects of this scouring are obvious. (The use of the Scotch-brite Pad following the grain over time may help scratches such as this). Depending on the surface finish of your stainless steel, abrasive cleaners can cause scratching. Duller finishes probably won't show scratching as much as mirror or highly polished finishes. When in doubt, test in a hidden spot, and also work from the least risky type of cleaning, (i.e. water) to the heavy duty stuff.

Do not use cleaners containing chlorine. While it may be second nature to bleach everything, stainless steel and chlorine do not mix well. Do not use bleach when cleaning stainless steel. Do not allow bleach or bleach water to sit for long periods. Bleach can eventually cause staining and pitting. Bleach stains are removed with stainless steel cleaning polish.

2) **Keep the surface clean of grime, tissue and particulates.** This can be accomplished by using the "Water Hand Spray Rinse" and use of cleaning products.

3) **Rinse the surface after using disinfectant.** In Pathology and other medical areas the act of disinfecting is desired. There are a number of ways to do this including using Mopec's Bench Spray & Wipe Disinfectant. Labs use any number of different products including 10% bleach or other disinfectant sprays and wipes. For the most part, each and every one of these has high salt contents and lower PH levels to aid with disinfection. Most disinfectants must be followed up with a water rinse to remove the salts that remain after these products dry. We advise to always follow up a disinfection cleaning with a thorough rinse of water. We advise not to use diluted bleach, if you must; we stress the importance of a thorough rinse of water after use. If not rinsed properly, these salts can become visible after the disinfectant dries. They can appear with a whitish characteristic or contain light lines of white with a grainy feel when you wipe your hand across the work surface. If these residues are not removed with a thorough water rinse and wipe down they will accumulate and eventually degrade the appearance and integrity of your stainless surface. Rust is a long term possibility if salts are allowed to remain on the work surfaces over time. Gritty, dirty water or residue from cleaning solutions left on a stainless steel surface can stain or damage the finish.

4) **All stainless steel products should be protected by a polish.** As a prime example before any product leaves Mopec it is coated with WD-40 as a protecting coating for the stainless. Mopec offers a Stainless Steel Cleaner and Polish in both wipe and spray. These Mopec products will not only deep clean your stainless but will also protect their finish from chemical, low PH and salt and keep the finish looking like new.

Decal

Mopec advises that if the technicians are not taking the proper precautions when using the Decal solution the possibility of two things will occur, a brown or rust ring where the Decal resides along with a milky white substance on the surface. (As an example, reference the below photos to see the rust rings.) Decal is very harsh, even the fumes can and will cause staining on stainless steel. One thing that you might want to consider doing is to place the Decal container you currently use inside a plastic base that will help catch drips that might occur. Clean and rinse your station after every use of Decal solution.

Rust

Rust can and will occur on stainless if it is not maintained properly. The most common cause of rust is from using metal or stainless racks that are not made of 304 stainless. This is referred to as "transfer rust". Leaving of salts from cleaners or disinfectants can and will lead to possible rust areas in the long term. Always rinse all disinfectants before they dry. Decal solutions and even fumes are very aggressive and can cause rust if not cleaned up and used properly around stainless. Formalin use has not been shown to cause rust in any way.

Conclusions & Suggestions

We are confident and can assure you that if you institute the suggestions detailed above that your Mopec Grossing station will look as it did the day it arrived.

Do not assume it's the cleaner. If you do have some spotting or staining, and you've followed all of the suggestions, it may not be the cleaner. Water, especially hard water, can leave spotting and staining on stainless steel surfaces. Hard water can leave mineral deposits, resulting in whitish-colored spots and streaks. Remove hard water stains with vinegar or with stainless steel cleaning polish. Prevent hard water stains by towel-drying after every wash.

Do not allow soaps and cleaners to dry on surfaces. The chemicals in many soaps and cleaners can cause staining. Never use corrosive cleaners such as mineral spirits. Use stainless steel cleaning polish and a non-abrasive scrub pad to remove dried cleaner stains. Baking soda mixed with liquid dish soap can make a good paste to gently rub on stains. Be sure to rinse the stainless steel surface thoroughly, and towel dry.

If stains remain Mopec recommends trying a stainless steel cleaner and polisher. Barkeeper's Friend is a good powder formula that can clean without scratching. Be sure to follow the directions, rinse thoroughly, and towel dry. These methods should help remove any discoloration.

Fingerprints and Stains – The most common surface contaminates that occur from normal use are fingerprints and mild stains. These usually affect only appearance so fortunately they do not have an effect on corrosion resistance. They can easily be removed by a variety of simple cleaning methods. The most troublesome marks to remove from the surface of smooth polished or bright finished stainless steel are fingerprints; fortunately they can be removed with a common glass cleaner or by gently rubbing with a paste of soda ash (sodium carbonate) and water which would be applied with a soft cloth. Again, it is best to follow with a warm water rinse.

Clean Water and Wipe – The method that will do an adequate job and is the simplest, safest and the least costly is the best method. There is no surface coating to wear off of stainless steels so the surface will thrive with frequent cleaning. The first choice to clean mild stains and loose dirt and soil should always be a soft cloth and clean, warm water. Rinsing with clean water and wiping the surface dry will finish the process and eliminate the possibility of water stains.

Solvent Cleaning – To remove oils, greases and fresh fingerprints that have not had time to oxidize or decompose, use a solvent that does not contain chlorine. There are many organic cleaners on the market today that optimize safety attributes and clean ability. Spray or vapor methods or by wiping with clothes containing solvents can also clean surfaces. The wiping technique will sometimes leave the surface streaked.

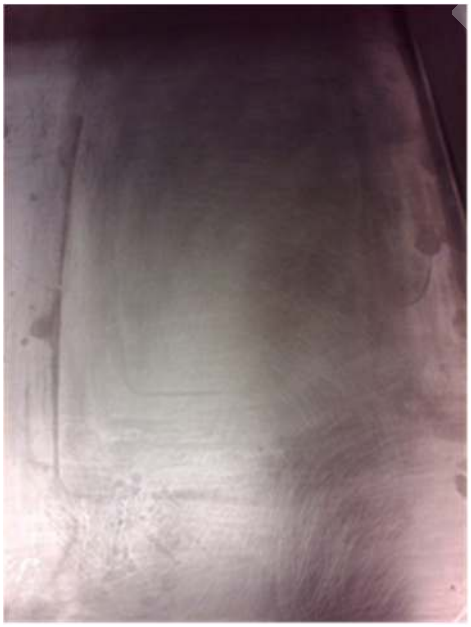
Scratch Repair

A surface scratch can be repaired using the following technique. Completely removing the scratch will depend on how severe it is.

Use 120 grit emery cloth or paper and firm pressure to sand the scratch. Sanding must always go in the direction of the grain. Sand in a perfectly straight line, avoiding the natural tendency to sand in an arc. Sand the surface until the scratch is gone.

Polish using a very fine grade of 3M scotch-brite pads. Use the same motions as with sanding.
Polish the surface until the original finish is restored.

For stubborn spots, stains, light discoloration, water marking or light rust staining use a mild, non-scratching cream or polish. Apply with soft cloth or soft sponge and rinse off residues with clean water and dry. Avoid cleaning pastes with abrasive additions. Suitable cream cleansers are available with soft calcium carbonate additions, or with the addition of citric acid. Do not use chloride or acidic solutions



Nylon abrasive pads should be adequate for dealing with most deposits (DO NOT USE STEEL WOOL OR BRILLO PADS). If a more severe treatment is needed to mask coarse scratches or physical damage on a surface, use the finest abrasive medium consistent with covering the damage marks. With directional brushed and polished finishes, align and blend the new "scratch pattern" with the original finish, checking that the resulting finish is aesthetically acceptable. Silicon carbide media may be used, especially for the final stages of finishing. Avoid using hard objects such as knife blades and certain abrasive/souring agents as it is possible to introduce surface scuffs and scratches. Scratching is particularly noticeable on sink drainer areas. These are usually superficial and can be removed with proprietary stainless steel cleaners or, alternatively, with a car paint restorer, such as 'T-cut'. Rust marks or staining on stainless steels is unlikely to be the result of corrosion to the stainless steel itself (similar marks may also be found on porcelain and plastic sinks). These marks are likely to result from small particles of carbon steel from wire wool.

USER PARTS

Replacement parts are available from Mopec The can be ordered by contacting Mopec at 800-362-8491.

Due to the many configurations your unit may or may not have some of the parts listed below:

PF9000 ROLLER ASSEMBLY - SINGLE

PF9001 ROLLER ASSEMBLY – DUAL

PD0018 LEVELER ½-13 THREADED FOOT

LIMITED WARRANTY

Products manufactured by Mopec will be free from defects in material and workmanship and conform to Mopec's description or specifications. If a warranty claim is made within one (1) year from the earlier if the date of acceptance/first beneficial use, the defective or nonconforming Product or Part thereof will be repaired or (at Mopec's option) replaced free of charge, FCA Mopec's dock. All warranty claims must be in writing and received by Mopec within the warranty period. The warranty is not transferable (other than to customers of Mopec's authorized Distributors), and will not apply unless the Equipment has been properly installed, maintained and operated in accordance with all instructions; and does not apply to defects, nonconformities or other failure due to Equipment misuse, abuse, modifications, or other causes outside Mopec's control. If a warranty claim is made in writing within the warranty period, the defective or nonconforming Equipment (or Part thereof) will be repaired or (at Mopec's option) replaced free of charge, FCA Mopec's dock.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THE WARRANTY AS SET FORTH HEREIN IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

To the extent that Mopec is acting as a supplier of Products manufactured by a third party, the Products will be warranted only to the extent that they are warranted by their manufacturers and Buyer (or its customer) agrees to look solely to the Product manufacturer for all warranty claims.

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