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Pre-installation Checklist

REQUIRED TOOLS:
A. Combination Wrenches - 3/8" and 7/16"
B. #2 Phillips Screwdriver and Flat blade screwdriver
C. Drill with following accessories:
   3/8" and 7/16" nut setter
D. 7/16" socket wrench with 6" extension.
E. Extension cord
F. Leveling Device (LASER LEVEL)
G. Step ladder
H. Hammer drill with 1/4" dia. masonry drill bit - for masonry floor only
I. Allen wrench set - Metric and English
J. Chalk line
K. Tape measure
L. Pry bar
M. Torpedo Level
N. Circular Saw
O. 1" Spade Bit
P. Roller chain breaking tool (Moveable systems)
   Grainger Part #: 2YEH5
Q. Roller chain puller (Moveable systems)
   Grainger Part #: 5TZL3

JOB SURVEY:
Prior to the equipment arrival, the following must be reviewed: Accessibility to the receiving area and installation site, elevator, hallway, door sizes, adequate storage area, room size, ceiling clearance, permanent obstructions in the room, floor type and capacity. Seismic installations may require deviations to the following instructions.
(Contact Customer Service.)

The salesperson is responsible for the initial site survey. Prior to beginning construction, the installer should ensure that all conditions are correct to complete the installation per the drawings. Prior to and during the installation, you must know the responsible customer contact for decision making purposes. Final approval from the responsible person must be obtained before starting the installation. Make sure the area will be cleared and available on time and a person of authority present at the start of the work. It is also suggested that the salesperson be present at the start of the installation.

PARTS CHECK:
Check the parts inventory to ensure that all required material has been received. A ‘pick list’ is enclosed with each system.

STUDY THE MOBILE 1000 PROJECT DRAWING:
The Project Drawing shows a layout of the system and where it fits into the install room. It shows track and carriage placement. If a print of Mobile 1000 layout is not present please contact your Sales Representative.
HARDWARE BAGS FOR INSTALL:

Verify that proper hardware kits are being used for specified install. Hardware bag numbers are printed on bag for clarification of hardware.

913021  HDWR KIT M/A MANUAL END PANELS
Consists of:
(7) TEK Screw, 1/4-14 x 3/4" Hex Head
(4) Screw, 1/4-20 x 3/4" Hex Head
(4) TEK Screw, #10-24 x 1-1/2"
(2) Rubber Bumper
(2) End Panel Handle, Chrome

913022  HDWR KIT MA S-DRIVE END PANELS
Consists of:
(8) Screw, 1/4-20 x 3/4" Hex Head
(7) TEK Screw, 1/4-14 x 3/4" Hex Head
(4) TEK Screw, #10-24 x 1-1/2"
(2) Rubber Bumper
(4) Nut, 1/4-20 w/ Star Washer
(4) Washer, 1/4" Flat
(1) Key, 3/16" Square x 3/4" Long
(1) #35 Connecting Link (918612R)

913023  HDWR KIT MA D/H-DRIVE END PNLS
Consists of:
(12) Screw, 1/4-20 x 3/4" Hex Head
(7) TEK Screw, 1/4-14 x 3/4" Hex Head
(4) TEK Screw, #10-24 x 1-1/2"
(2) Rubber Bumper
(8) Nut, 1/4-20 w/ Star Washer
(8) Washer, 1/4" Flat
(1) Key, 3/16" Square x 3/4" Long
(1) #35 Connecting Link (918612R)

913026  HDWR KIT SHAFT KIT
Consists of:
(4) Set Screw, 5/16"-18 x 1/4"
(2) Coupling
(2) Retaining Ring 3/4"
(2) Key, 3/16" Square x 2" Long

913030  HDWR KIT 4P REFERENCE SHELF
Consists of:
(4) Screw, #10-32 x 3/8
(4) Screw, 1/4-20 x 1/2" Hex Head
(2) Nut, #10-32 KEPS
(2) Nut, 1/4-20 w/ Star Washer

913035  HDWR KIT STEEL RAMP
Consists of:
(4) Screw TEK 1/4"-14 x 3/4"Hex Head

913036  HDWR KIT ADA RAMP
Consists of:
(5) Screw #8 x 1/2" Flat Head Wood Screw
(5) Screw TEK #10-24 x 1-1/2"

913037  HDWR KIT M/A DECK TRIM
Consists of:
(3) Screw #8 x 5/8" Phillips Head

913039  HDWR KIT MOBILE AISLE HANDLE
Consists of:
(2) Screw Tapping #10 x 3/4"
(2) Retaining Ring 3/4" #SE74-STPA
(1) Key 3/16" Square x 3/4" Long

913041  HDWR KIT M/A TRACK STARTER
Consists of:
(2) Stud Bolt, 1/4-20 x 1-3/4 KB
(2) Screw, 1/4-20 x 1/2" Hex Head
(4) Screw TEK 1/4-14 x 3/4"Hex Head

913042  HDWR KIT M/A TRACK ADDER
Consists of:
(1) Stud Bolt, 1/4-20 x 1-3/4 KB
(2) Screw, 1/4-20 x 1/2" Hex Head

913048  HDWR KIT, SKIRTS MA 1000
Consists of:
(16) Screw TEK 1/4"-14 x 1" Hex Head
(8) Black 3/8" Hex-Cap

913049  HDWR KIT M/A TEK SCREW (8)
Consists of:
(8) Screw TEK 1/4"-14 x 1" Hex Head

913050  HDWR KIT M1000 FLOOR LOCK
Consists of:
(4) 1/4-20 x 5/8" Socket Head Cap Screw
(4) 1/4" USS Flat Washer Plain
(4) #8 x 5/8 Round Head Wood Screw
(1) 5/16" Drill Bit
(1) 3/16" x 6" T-Handle Allen Wrench

913058  HDWR KIT M1000 FH/LAT SPACER
Consists of:
(5) Screw TEK 10-16 X 1/2" PH Pan Head

913059  HDWR KIT M1000 LATERAL MTG.
Consists of:
(5) Screw TEK 1/4"-14 X 3" Hex Head
(3) Screw TEK 1/4"-14 x 3/4" Hex Head

913058  HDWR KIT M1000 FH/LAT SPACER
Consists of:
(5) Screw TEK 10-16 X 1/2" PH Pan Head

913059  HDWR KIT M1000 LATERAL MTG.
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Consists of:
(5) Screw TEK 1/4"-14 X 3" Hex Head
(3) Screw TEK 1/4"-14 x 3/4" Hex Head
## Mobile Aisle 1000 Component Identification

<table>
<thead>
<tr>
<th>Track Anchor Plate</th>
<th>Anti Tip Bracket</th>
<th>Fixed Attaching Bracket</th>
<th>Range Stop Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="" alt="Image" /></td>
<td><img src="" alt="Image" /></td>
<td><img src="" alt="Image" /></td>
<td><img src="" alt="Image" /></td>
</tr>
</tbody>
</table>

### Wheel Channels

- **Blank Wheel Channel**
- **Fixed Wheel Channel**
- **Moveable Wheel Channel**
- **ADA Moveable Wheel Channel**
- **ADA Fixed Wheel Channel**
- **Flush End Movable Wheel Channel**
- **Flush End Fixed Wheel Channel**

### Special condition Wheel Channels

- **4-Post DUAL Fixed Wheel Channel**
- **4-Post DUAL Moveable Wheel Channel**
- **ADA Fixed Wheel Channel**
- **ADA Moveable Wheel Channel**
- **Flush End Movable Wheel Channel**
- **Flush End Fixed Wheel Channel**

### Skirt

- **Skirt (24" to 96" on 6" Increments)**

### Shaft

- **Shaft (26-9/16" to 64-9/16" on 6" Increments)**

### Mounting Bracket

- **Mounting Bracket**

### 22 Tooth Drive Sprocket

- **File Harbor & Lateral File Units**

### End Panel Plate

- **End Panels**

### Top Sprocket

- **Heavy Duty Sprocket**

### Drive Handle

- **Range Lock Plate**

---

(4)
Track Layout and Leveling

1. ESTABLISH THE FIRST TRACK POSITION:

Mobile 1000 systems are best installed on solid flooring (concrete or tile). With client approval, remove any carpeting from the track areas. The only exception is installation on top of a very low profile unpadded carpet.

The systems rear track position is established first. Determine the most protruding point of the wall surface. Verify the Mobile 1000 Project drawing for placement of first track. If utilizing a Moveable Wheel Channel on the rear track then measure out 6-5/8" and snap a chalk line. The outer edge of the track plate will be aligned to this line. The distance from the wall to centerline of the first track is 4-1/4". If utilizing a Flush End Moveable Wheel Channel on the rear track, measure out 14-3/8" and snap a chalk line. The outer edge of the track plate will be aligned to this line. The distance from the wall to centerline of the first track is 13".

2. ASSEMBLE FIRST TRACK:

Although the tracks can be assembled facing in either direction, always consider a possible future add on. The blunt end of the starter track should face the permanent wall (if assembled adjacent to a wall). Arrange the track sections in their approximate location with the adjustable glides facing up. Bolt the tracks together using two 1/4-20 x 1/2" machine screws per splice. Ensure that all leveling screws are fully seated and loose in track.

Turn the first track over and align the edge furthest from the wall with chalk line.
3. **ASSEMBLE REMAINING TRACKS:**

Track spacing ranges from 24” to 72” center to center on 6” increments. Refer to the Mobile 1000 Project Drawing for correct location. Assemble, adjust and locate remaining tracks. A wooden deck panel may be placed between tracks at the track ends and seams to ensure proper track placement.

4. **LEVEL THE TRACKS:**

Using either a water level, transit or rotary laser level (Not a Bubble Level) locate the high and low spots on the floor. Track levelers allow for a maximum 3/4” adjustment. If high or low spots exceed this dimension off level then shims must be used in low areas. Masonite strips (not provided by manufacturer) are recommended. Longer glides may also be purchased from the manufacturer. Please contact your Sales Representative if longer glides are preferred.

After the condition of the floor has been determined and the tracks have been assembled, the actual leveling will be a three-step process.

   Step 1. Starting at the high point of the floor, level the entire track system using the levelers at the end of the tracks and joining points only. Tracks must be level across the width as well as the length.

   Step 2. Run all other leveling screws down to lightly touch the floor. Walk along the track to check for any 'see-saw' action along the tracks. Ensure that all levelers are evenly resting on the floor surface.

   Step 3. Finally, verify level of all tracks by checking the height with the suitable level at each track end and joint.

Tracks level tolerance must not exceed 1/16” within 8’ of track length. The track-to-track difference of level should not exceed 1/16”. It is important that the tracks be on the same plane in all directions.

Look with one eye down the length of each track to ensure straightness and sight across the tracks from rail to rail.

Prior to anchoring track or deck panels, one carriage assembly is to be assembled and placed on track and rolled the entire length of rail to ensure proper track placement.
Carriage Assembly

5. CARRIAGE CONFIGURATIONS:

There are (4) common configurations for a mobile range. They are detailed below.

Option 1 - Standard Wheel Channel in front and rear of system.
Option 2 - Standard Wheel Channel in front and Flush End Wheel Channel in rear of system.
Option 3 - ADA Wheel Channel in front and Standard Wheel Channel in rear of system.
Option 4 - ADA Wheel Channel in front and Flush End Wheel Channel in rear of system.

Other configurations could exist but are not the norm. If your drawing indicates a different configuration please contact Mayline Customer Service with questions.
6. WHEEL CHANNEL AND SHAFT INSTALLATION:

One carriage will be installed at this time. Remaining carriages will be installed after track and deck panels are secured. Place the wheel channel assemblies on the track as shown on the Mobile 1000 Project Drawing. All drive shafts need to be positioned on the left side of the carriage as you face the front of the system. **A Blank Wheel Channel needs to be positioned below a 4-post upright when the upright does not land directly above a track position.**

![Diagram of wheel channel and shaft installation](image)

Feed the drive shaft through any Blank Wheel Channels and connect to the drive shaft on the Moveable Wheel Channels using couplers provided in Hardware Bag 913026. Do not tighten the set screws on the couplers at this time. Set screws will be tightened after track is secured to the floor (Page 9).

![Diagram of anti-tip installation](image)

7. ANTI-TIP INSTALLATION:

Anti tips are installed using (2) 1/4-20x3/4" Hex Head screws (Hardware Bag 913022 or 913023) per anti tip. Single Face Carriages (18") require 4 anti tips. Two per front and rear wheel channel. Double Face Carriages (Larger than 18") require 2 anti tips. One per front and rear wheel channel.

![Diagram of anti-tip installation](image)
8. **SKIRT INSTALLATION:**

Skirts are secured to the Wheel Channels by 1" TEK screws in **Hardware Bag 913048**. Lay the front face of the skirt onto the track and carefully slide the skirt up to the wheel channels. Rotate the skirts upward until the skirt can be engaged into the slot located in the wheel channel.

First point of securing skirt should be the front vertical face of the skirt using the pre-drilled holes to the front face of the wheel channels. Second point of securing should be the top horizontal face of the skirt using the pre-drilled holes to the top face of the wheel channels. Ensure that joints are tight to create a square assembly and begin to fasten the skirt.

**NOTE:** FAILURE TO SECURE SKIRTS PROPERLY WILL VOID WARRANTY.

Final process is to secure the Blank Wheel Channels. First point of securing should be the long horizontal face of the skirt using the pre-drilled holes to the top face of the wheel channels. Second point of securing skirt should be the short vertical face of the skirt. Use the witness marks as a location to secure the skirt to the Blank Wheel Channels. Repeat the skirt installation on the opposite side of the carriage.
9. **SECURING SKIRTS TO ADA OR FLUSH END WHEEL CHANNELS:**

When utilizing an ADA End Wheel Channel the skirts are secured at the end on the skirt face and top. Skirt is also secured 10 1/2" and 12" from the end on the face and top as shown in diagram (Hardware Bag 913048).

When utilizing a Flush End Wheel Channel the skirts are secured at the end on the skirt face and top. Skirt is also secured 10 1/2" and 12" from the end on the face and top as shown in diagram (Hardware Bag 913048).

10. **ROLL CARRIAGE THE LENGTH OF THE TRACK:**

This will ensure correct spacing of the track. Note the clearance between the flanged wheel and the track should be uniform on each side along the length of the track.

11. **CHECK DECK PANEL FIT:**

Place a few deck panels between the tracks at the ends of each track and at the track joints to ensure correct spacing and fit. Verify deck panel fit with a tape measure. Reference your Mobile Project Drawing for proper measurements.
12. **SECURE THE TRACK:**

Secure the first track by placing one Track Anchor Plate under the track levelers at each end and at each joint of the tracks as shown.

Using the Track Anchor Plate as a template, drill (if a masonry floor) and secure the plate with the anchor bolt provided in **Hardware Bags 913041 or 913042**. Confirm second track location via the methods described in Steps 10 and 11 and secure this track as described above. Repeat for any additional tracks. If installing on other then concrete flooring, contact Customer Service for assistance.

13. **TIGHTEN SET SCREWS ON COUPLERS:**

After all tracks are secured in place and carriages are running properly on the track, the carriage is ready to have the set screws tightened on all couplers. By tightening the set screws you are assuring proper alignment between the carriages and the track.
**Deck Panel / Ramp / Carpet / Deck Trim Installation**

**14. INSTALL DECK PANELS:**

Insert the leveling glides into the threaded inserts in the panel. Ensure that the center levelers are not over-extended to create a 'see-saw' effect. Standard panel sizes are supplied with all systems. The last deck panel may require being cut to size. Systems that utilize fixed ranges permit gaps in the deck to exist under the fixed ranges.

Position panels between the tracks and secure each panel with (6) self tapping 1-1/4" screws. Once all deck panels are secured to the track, adjust the levelers to provide for a level mobile floor. Depending on floor conditions, shimming may be required under decking levelers.

Deck panels can be installed uncovered or carpeted. The carpeted deck panels utilize a non-directional carpet square that is put into place by the installer.

**Carpet Specifics:**
1. Carpet squares are 24"x24"
2. Carpet comes standard in two colors (Charcoal and Taupe)
3. Carpet tiles have no specific pattern OR layout design. However shading variances may occur due to room or area lighting. To minimize shading concerns, place all carpet tiles following directional arrows printed on the back of each carpet square. We recommend that the customer review carpet placement prior to adhering the double face tape onto the deck panels.
4. Carpet can be cut with a straight edge and utility blade for proper size piece.

The carpet is held in place by a 3/4" wide double sided tape. Tape is not applied to each individual carpet square but rather applied to certain areas of the deck panels in the mobile system. See diagram below for further tape placement. For each mobile install, 360’ of tape is provided. The entire roll of tape does not need to be used for most installs.

**15. ATTACH THE DECK RAMP (STANDARD OR ADA):**

Two types of ramps are available: Standard and ADA ramp. The standard ramp is of steel construction and has a steeper incline. These are always painted black. The ADA ramp is of wood construction and is a more gradual incline. These are installed covered with carpet or uncovered.

Attach the standard ramp by first positioning the ramp section in place to insure that it is spaced evenly from left to right. Using 3/4" TEK screws in Hardware Bag 913035, secure the ramp. The ramp may be twisted to conform to uneven floors.
17. INSTALL RANGE STOPS:

Range stops should be installed only when a fixed range is not positioned at the end of the track system using 1/4” x 3/4” Hex Head TEK Screw and Range Stop Plate. When installing Range Stop Plate, verify that the mobile system does not extend beyond the track and deck.

If an ADA ramp is used, check to insure that the ramp is aligned and flush to the side of the track. Secure the wooden ramp to the track using the 1-1/4” self-tapping screws. If applying carpet to the ADA ramp, run three lines of 3/4” double side tap where indicated. Cut carpet to correct dimension and place into position. Press firmly to secure carpet. Attach ramp trim using flat head phillips screws as shown. (Hardware Bag 913036)

16. ATTACH DECK END TRIM AND RAMP TRIM KIT:

Secure the Deck End Trim and Steel Ramp Trim Kit using the hardware located in hardware bag 913037.
Fixed Carriage and Remaining Moveable Carriages

18. ASSEMBLY OF FIXED CARRIAGE:

The following step is required when installing a fixed range. Please verify floor layout for proper location of fixed range. Set two attaching brackets per wheel channel onto center bar of track. Do not attach at this time. Position wheel channels into place and secure one skirt to the wheel channels with TEK screws (if against wall you must install the skirt closest to the wall first). Once range is in proper position, align attaching brackets with wheel channels. Lift wheel channel out of place and secure attaching bracket to track with TEK screws. Place wheel channels back into position and secure wheel channel to attaching bracket with TEK screws. Install remaining skirt.

NOTE: For more FIXED WHEEL SADDLE details see Addendum page A6 near the end of this instruction sheet.

19. ASSEMBLE ALL REMAINING CARRIAGES:

At this point all carriages can be assembled per the Mobile 1000 Project Drawing.

Remember two things:
1. Install Anti-Tip brackets into Wheel Channels
2. Tighten coupler set screws after the skirts have been secured and carriage is running smoothly.

20. INSTALL BUMPERS AND HARDWARE CAPS:

For each range, there are only two bumpers installed. One on each end of the range. Using (2) 1-1/4" Self Tapping screws, secure the 1" rubber bumper to the skirt using the pre-drilled holes at the end of the skirt.

Press the Black Hardware Caps onto all exposed hardware on the front face of all skirts. Caps are located in Hardware Bag 913048.
21A. DUAL Wheel Channels for Back-to-Back 4-Post application:

Place Wheel Channel WCH48ZDM at the beginning of each range nearest the drive mechanism.
Place Wheel Channel WCH48SDBLNK where the 4-Post product needs support and no tracks are present.
Place Wheel Channel WCH48SDM where tracks are present under the 4-Post product.

NOTE: For more WHEEL SADDLE details see Addendum pages A1 through A6 near the end of this instruction sheet.

21B. DUAL 'FIXED' Wheel Channels for Back-to-Back 4-Post application:

Place Wheel Channel WCH48DFIX at the beginning & end of each range.
Place Wheel Channel WCH48SDBLNK where the 4-Post product needs support and no tracks are present.
Place Wheel Channel WCH48FIX where tracks are present under the 4-Post product.

NOTE: For more FIXED WHEEL SADDLE details see Addendum page A6 near the end of this instruction sheet.
22. INSTALLATION OF MOBILE 1000 FLOOR LOCK:

THE MOBILE 1000 FLOOR LOCK IS AN OPTIONAL ITEM. Please review your Mobile 1000 Project Drawing to verify if a floor lock is to be installed into the system. Receive approval of final location for the Mobile 1000 Floor Lock from the end user.

The floor lock, Hardware Bag 913050, floor lock template, and floor lock plate are all located in a box labeled FLLCK1M. The Floor Lock is a surface mounted lock that will be secured to the front face of the skirt.

Once the appropriate location is determined, firmly hold the template up against the vertical face of the skirt and mark the 4 mounting holes with a marker. Then drill (4) 5/16” diameter holes through the face of the skirt.

Using the (4) 1/4-20 x 5/8” Socket Head Cap Screws and (4) 1/4” Flat Washers, secure the floor lock to the skirt. Tighten the Cap Screws with the supplied 3/16” x 6” T-handle allen wrench.
After Floor Lock is mounted to the front face of the skirt, compress all mobile systems to the closed position. Let the locking bolt of the floor lock drop to the deck panels of the Mobile 1000 system. Draw a circle around the perimeter of the bolt. Move the carriage out of the way and drill a hole using a 1" diameter spade bit (not provided).

The final step is to install the Floor Lock Plate over the 1" drilled hole in the deck panel. The Floor Lock Plate is screwed to the deck panels using (4) #8 x 5/8" Wood Screws found in Hardware Bag 913050. Once complete, verify that the floor lock is operating properly.

NOTE:

4-POST PRODUCT AND END PANEL ASSEMBLY SEE PAGE 17.
FILE HARBOR PRODUCT AND END PANEL ASSEMBLY SEE PAGE 22.
LATERAL CABINET PRODUCT AND END PANEL ASSEMBLY SEE PAGE 27.
23. **ASSEMBLE THE SUPERSTRUCTURE OF THE 4-POST RANGES**

Assemble the 4-Post superstructure per the Mobile 1000 Project Drawing.  
*Reference Instructions I910366 which is found with the 4-Post product for superstructure installation.  
Note: For Back-to-Back 4-Post installation see Addendum 'B' near the end of this Instruction Sheet.*

24. **ATTACH THE BOTTOM SHELF SUPPORTS TO THE MOBILE CARRIAGE:**

Attach bottom shelf supports to the Mobile 1000 carriage wheel channel using 1/4”-1” TEK Screws.

25. **MOUNT END PANEL PLATE:**

*(All M1000)* Secure End Panel Plate to wheel channel using TEK Screws at (3) locations.
26. ASSEMBLE THE DRIVE MECHANISM:

(M1000S)
1. Drill (4) ¼" dia. hole into the "L" upright, using the four top holes in the end panel plate as a template.
2. Attach the top sprocket assembly using four 1/4"-20x3/4" Bolts & Nuts from Hardware Bag 913022. Insert Screws and Washers from backside with KEPS nut on front side. **DO NOT TIGHTEN**
3. With top sprocket assembly slid into down position, wrap chain around top and bottom sprockets.
4. Remove all slack, then using a chain breaker, remove excess links.
5. Connect chain ends using the #35 connecting link (918612R) from hardware bag 913022.
6. Adjust chain tension by pulling upward on the top sprocket assembly and then **tighten** the four ¼" bolts/nuts.
7. Align chain and sprockets by measuring for equal distance from end panel plate at upper and lower sprockets, if not parallel, adjust alignment.

(M1000-D or H)
1. Drill eight ¼" dia. holes into "L" upright, using all eight holes in the end panel plate, as a template.
2. Attach the top sprocket assembly and lower double sprocket reduction assembly using eight 1/4"-20x3/4" Bolts & Nuts from Hardware Bag 913023. Insert Screws and Washers from backside with KEPS nut on front. **DO NOT TIGHTEN**
3. Install lower chain around bottom drive sprocket and the small gear on the double reduction assembly, 
   A). With double reduction assembly slid into down position, wrap chain around drive sprocket and small gear.
   B). Remove all slack, then using a chain breaker, remove excess links.
   C). Connect chain ends using the #35 connecting link (918612R) from hardware bag 913023.
4. Adjust chain tension by pulling upward on the double reduction assembly, and then **tighten** all four ¼" KEPS nuts.
5. Repeat above procedures for installing upper chain around the top sprocket and large sprocket on double reduction assembly, and then **tighten** all four KEPS nuts.
6. Align chains and sprockets by measuring for equal distance from end panel plate at upper and middle and lower sprockets, if not parallel, adjust alignment.

**OPTIONAL:** For added stiffness in end panel template two TEK screws can be used to secure the template, 4-post upright and the flange of a shelf. Determine the location of the shelf flange directly above the bottom sprocket assembly. Mark that spot on the end panel template and TEK screw the material together.

Must consult with end user prior to completing this task. This will eliminate future adjustment of this shelf.
Bottom Sprocket Assembly - FIRST: Adjust for chain tightness

Top Sprocket Assembly - SECOND: Adjust for chain tightness

#35 connecting link (918612R)
27. END PANEL ASSEMBLIES:
Secure end panel to "L" upright with TEK Screws. For easier installation, pre-drill pilot holes in "L" upright prior to using TEK Screws. Installers discretion on number of TEK Screws to use.
28. CENTER SKIRT ASSEMBLY

A center skirt is added to the double face Mobile 1000 carriages when mobilizing File Harbor cabinets.

Standard 36" or 42" double face carriage with center skirt.

Standard 72" double face carriage with center skirt.
29. **INSTALL LEVELERS INTO FILE HARBOR CABINET**

The levelers provided with the File Harbor cabinet should be installed and turned snug (no leveler extension). When installed on carriage there will be an 11/16” gap between the Mobile 1000 skirt and the bottom of the unit.

30. **PLACE THE FILE HARBOR UNITS ON THE MOBILE RANGES:**

   File Harbor unit dimensions (OD)  
   
<table>
<thead>
<tr>
<th>Length x Width</th>
<th>Mobile Range unit Width dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>36” File Harbor = 36” x 17-3/4”</td>
<td>Single Face Range = 18”</td>
</tr>
<tr>
<td>42” File Harbor = 42” x 17-3/4”</td>
<td>Double Face Range = 36”</td>
</tr>
</tbody>
</table>

Using two people (units are heavy) place unit onto a 4 wheel dolly or cart to transport unit near to proper location. Lift and set unit onto carriage, making sure front is flush with carriage skirt.

31. **INSTALL FILE HARBOR MOUNTING BRACKET FOR BACK-BACK FILE HARBOR UNITS ON DOUBLE FACE RANGE**

   The double face ranges have a width of 36”. The depth of the File Harbor cabinets are 17-3/4”. This leaves a 1/2” between the back panels of the File Harbor units. The File Harbor Mounting Bracket will secure the back panels together.

   On the top side of the File Harbor units place the Mounting Bracket between the File Harbor Units. The spacer should provide the proper 1/2” gap between the back panels of the File Harbors. Secure spacer to top panels with (8) #10-16x1/2 Phillips Pan Head TEK Screws.

32. **SECURE FILE HARBOR TO MOBILE RANGE SKIRTS WITH FILE HARBOR MOUNTING BRACKETS:**

The Mounting Brackets are mounted on both sides of the mobile range. Center the Mounting Bracket to the Unit. Secure the Mounting Brackets with #10-16x1/2 Phillips Pan Head TEK Screws.
33. **ASSEMBLE END FILLER PANEL**

Set the End Filler Panel into position on the wheel channel. Secure the bottom flange of the End Filler Panel to the Wheel Channel with (3) TEK Screws 1/4-14 x .75 Hex Head. Screw the End Filler Panel to the File Harbor cabinets.

**DO NOT SECURE MIDDLE SECTION OF END FILLER PANEL WITH TEK SCREWS, THESE SCREWS WOULD INTERFERE WITH THE OPERATION OF THE FILE HARBOR DOORS.**

On the top side of the End Filler Panels, the TEK SCREWS should be no more than 1/2" from the top of the End Filler Panel. If any lower, the screw will interfere with the File Harbor door operation. On the bottom side of the End Filler Panels, the TEK SCREWS should be no more than 2" from the bottom of the End Filler Panel. If any higher, the screw will interfere with the File Harbor door operation.
34. MOUNT END PANEL PLATE:

(All M1000) Secure End Panel Plate to wheel channel using TEK Screws at (3) locations.

35. ASSEMBLE THE DRIVE MECHANISM:

(M1000S)

1. Attach the top sprocket assembly to upper four studs using four KEPS Nuts from Hardware Bag 913022.
2. With top sprocket assembly slid into down position, wrap chain around top and bottom sprockets.
3. Remove all slack, then using a chain breaker, remove excess links.
4. Connect chain ends using the #35 connecting link (918612R) from hardware bag 913022.
5. Adjust chain tension by pulling upward on the top sprocket assembly and then **tighten** the four KEPS nuts.
6. Align chain and sprockets by measuring for equal distance from end panel plate at upper and lower sprockets, if not parallel, adjust alignment.
1. Attach the top sprocket assembly and lower double sprocket reduction assembly to the studs using eight KEPS Nuts from Hardware Bag 913023.
2. Install lower chain around bottom drive sprocket and the small gear on the double reduction assembly,
   A). With double reduction assembly slid into down position, wrap chain around drive sprocket and small gear.
   B). Remove all slack, then using a chain breaker, remove excess links.
   C). Connect chain ends using the #35 connecting link (918612R) from hardware bag 913023.
3. Adjust chain tension by pulling upward on the double reduction assembly, and then tighten all four ¼” KEPS nuts.
4. Repeat above procedures for installing upper chain around the top sprocket and large sprocket on double reduction assembly, and then tighten all four KEPS nuts.
5. Align chains and sprockets by measuring for equal distance from end panel plate at upper and middle and lower sprockets, if not parallel, adjust alignment.
36. CENTER SKIRT ASSEMBLY

A center skirt is added to the double face Mobile 1000 carriages when mobilizing Lateral cabinets.

Standard 36" or 42" double face carriage with center skirt.

Standard 72" double face carriage with center skirt.
37. PLACE THE LATERAL UNITS ON THE MOBILE RANGES

<table>
<thead>
<tr>
<th>Lateral unit dimensions (OD)</th>
<th>Mobile Range unit Width dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length x Width</td>
<td>Width</td>
</tr>
<tr>
<td>30&quot; Lateral = 30&quot; x 18-5/8&quot;</td>
<td>Single Face Range = 18-3/4&quot;</td>
</tr>
<tr>
<td>36&quot; Lateral = 36&quot; x 18-5/8&quot;</td>
<td>Double Face Range = 37-7/8&quot;</td>
</tr>
<tr>
<td>42&quot; Lateral = 42&quot; x 18-5/8&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Remove top and bottom drawers of Lateral Units with less than 5 drawers. When installing a 5 drawer Lateral Unit, top pull-out drawer need not be removed. Using two people (units are heavy) place unit onto a 4 wheel dolly or cart to get unit near to proper location. Lift and set unit onto carriage, making sure front glides are flush or slightly behind front edge of carriage skirt.

38. SECURE LATERAL CABINETS ONTO CARRIAGE

NOTE: MAYLINE LATERAL FILE CABINETS require that all glides remain installed with the REAR glides turned in all the way. Proper glide adjustment must be made per instructions supplied with cabinet. When installed on the carriage surface, the lateral file cabinet front should be approximately 1/8" higher than the cabinet rear.

Each unit will be secured to the carriage and to each other. Follow glide adjustment procedure to achieve proper Unit position.

**TEK screws are used to attach the End Filler Panel to the Lateral Files. Insert screws using the slots provided along the top and bottom of the End Panel.**

---

SINGLE ROW:

A.) Place first Lateral Unit in position approximately 1 1/4" from outer edge of wheel channel and level accordingly. DO NOT secure in place at this time.
B.) Set the End Panel into position on the wheel channel. Secure the bottom flange of the End Panel to the Wheel Channel with (3) 1/4-14 x.75” Hex Head TEK Screws. Screw the End Panel to the Lateral Units with (4) 1/4-14 x.75” Hex Head TEK Screws using panel slots.

C.) Screw through Lateral Unit bottom at 4 locations into the Mobile 1000 skirt using 1/4-14 x3.0” Hex Head TEK Screws. Place 2 screws through the large rectangular openings at the back of each unit. Place 2 screws at the front approximately 1” from the edge.

D.) Continue placement of Lateral Units across the range. Ensure Units are flush with each other along top and front edge(s). Fasten each Unit to the skirt as described in Step C.

E.) Secure the Lateral Units to each other through Unit side panels. DO NOT insert screws through the Unit front rail, this will affect drawer safety mechanism. Place 1/4 -14 x.75” Hex Head TEK Screws near the upper edge, just behind the front rail.
BACK-TO-BACK ROW - 5 DRAWER LATERAL:

A.) Place first 2 Lateral Units in position approximately 1 1/4" from outer edge of wheel channel and level accordingly. DO NOT secure in place at this time.

B.) Place Mounting Bracket between the 2 units to achieve the proper back-to-back spacing. DO NOT attach Bracket(s) at this time.

C.) Set the End Panel into position on the wheel channel. Secure the bottom flange of the End Panel to the Wheel Channel with (3) 1/4-14 x.75" Hex Head TEK Screws. Screw the End Panel to the each Lateral Unit with (4) 1/4-14 x.75" Hex Head TEK Screws using panel slots.

D.) Screw through each Lateral Unit bottom at 4 locations into the Mobile 1000 skirt using 1/4-14 x3.0" Hex Head TEK Screws. Place 2 screws through the large rectangular openings at the back of each unit. Place 2 screws at the front approximately 1" from the edge.

E.) Continue placement of Lateral Units across range using the Mounting Brackets for proper back-to-back spacing. Ensure Units are flush with each other along top and front edge(s). Fasten each Unit to the skirt as described in Step D. Position the Mounting Brackets so that they span 4 Lateral Units. DO NOT fasten Mounting Brackets at this time.

F.) Secure the Lateral Units to each other through Unit side panels. DO NOT insert screws through the Unit front rail, this will affect drawer safety mechanism. Place 1/4 -14 x .75" Hex Head TEK Screws near the upper edge, just behind the front rail.

G.) Secure the Mounting Brackets to the Lateral Units using #10-16x1/2 Phillips Pan Head TEK Screws.
BACK-TO-BACK ROW - 4 DRAWER (or less) LATERALS:

A.) Place first 2 Lateral Units in position approximately 1 1/4" from outer edge of wheel channel and level accordingly. DO NOT secure in place at this time.

B.) Place 23 3/4" Mounting Bracket between the 2 units to achieve the proper back-to-back spacing. DO NOT attach Bracket(s) at this time.

C.) Set the End Panel into position on the wheel channel. Secure the bottom flange of the End Panel to the Wheel Channel with (3) 1/4-14 x.75" Hex Head TEK Screws. Screw the End Panel to the each Lateral Unit with (4) 1/4-14 x.75" Hex Head TEK Screws using panel slots.

D.) Screw through each Lateral Unit bottom at 4 locations into the Mobile 1000 skirt using 1/4-14 x3.0" Hex Head TEK Screws. Place 2 screws through the large rectangular openings at the back of each unit. Place 2 screws through the front approximately 1" from the edge.

E.) Continue placement of Lateral Units across range using the 23 3/4" Mounting Brackets for proper back-to-back spacing. Ensure Units are flush with each other along top and front edge(s). Fasten each Unit to the skirt as described in Step D. Position the Mounting Brackets so that they span 4 Lateral Units. DO NOT fasten Mounting Brackets at this time.

F.) Secure the Lateral Units to each other through Unit side panels. DO NOT insert screws through the Unit front rail, this will affect drawer safety mechanism. Place 1/4-14 x.75" Hex Head TEK Screws near the upper edge, just behind the front rail.

G.) Secure the 23 3/4" Mounting Bracket to 4 Lateral Units using #10-16x1/2 Phillips Pan Head TEK Screws. Attack 29 3/4" Brackets with #10-16x1/2 Phillips Pan Head TEK Screws to fill remaining space.
39. **ASSEMBLE THE DRIVE MECHANISM:**

**M1000S**

1. Attach the top sprocket assembly to upper four studs using four KEPS Nuts from ** Hardware Bag 913022.**
2. With top sprocket assembly slid into down position, wrap chain around top and bottom sprockets.
3. Remove all slack, then using a chain breaker, remove excess links.
4. Connect chain ends using the #35 connecting link (918612R) from hardware bag 913022.
5. Adjust chain tension by pulling upward on the top sprocket assembly and then **tighten** the four KEPS nuts.
6. Align chain and sprockets by measuring for equal distance from end panel plate at upper and lower sprockets, if not parallel, adjust alignment.

**M1000-D or H**

1. Attach the top sprocket assembly and lower double sprocket reduction assembly to the studs using eight KEPS Nuts from ** Hardware Bag 913023.**
2. Install lower chain around bottom drive sprocket and the small gear on the double reduction assembly,
   A). With double reduction assembly slid into down position, wrap chain around drive sprocket and small gear.
   B). Remove all slack, then using a chain breaker, remove excess links.
   C). Connect chain ends using the #35 connecting link (918612R) from hardware bag 913023.
3. Adjust chain tension by pulling upward on the double reduction assembly, and then **tighten** all four ¼" KEPS nuts.
4. Repeat above procedures for installing upper chain around the top sprocket and large sprocket on double reduction assembly, and then **tighten** all four KEPS nuts.
5. Align chains and sprockets by measuring for equal distance from end panel plate at upper and middle and lower sprockets, if not parallel, adjust alignment.
40. INSTALL THE END PANELS:

Lift End Panel above attached panel and lower into position. Align the End Panel tabs with the slots in the attached panel. Check to make sure all four tabs are engaged. Press panel down to fully install.

41. INSTALL THE DRIVE HANDLE (M1000S, D and H SYSTEMS ONLY)

Secure the Range Lock Plate to the top sprocket assembly using the provided hardware. Insert a C-clip into the groove in shaft. Place Key Stock into slot in shaft and slide handle into place. Tighten set screw in handle into the hole provided in the shaft. The range lock is activated by pushing the knob in the center of the handle inward. Spring activated pins will protrude into the range lock plate and prevent the range from moving. To unlock the range, simply pull back the knob in the handle.
Final Inspection

42. INSPECT SYSTEM:

Deck: Secure_____ Level_____ Solid_____
Ramp: Secure_____
End Panels: Secure_____
    Even With Other Panels_____
Ranges: All Hardware Secure_____ No Drift_____
Skirts: All Hardware Installed_____

Range Bumper Cushions: Secure_____
Accessories: Secure_____ Operational_____
Free of Dents and Scratches_____ 
Chain Adjustment_____
Range Safety Locks Operational:_____ 
Aisle Integrity:_____ Aisle Closure Gap:_____ 

Customer Satisfaction

This order has been inspected for Quality and Quantity.
If we have not satisfied this commitment to you please call:
Mayline Customer Service
1-800-822-8037
Thank you for your business
ADDENDUM 'A'

ASSEMBLY INSTRUCTIONS

MOBILE AISLE SADDLES: Required with 4-Post Back-to-Back on Single Wheel Channels

NOTE: Please count and inspect all pieces before disposing of any carton or packing materials.

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty.</th>
<th>Description</th>
<th>Part No.</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Saddle, Wheel Channel 4.0 C</td>
<td>86800406</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hardware Kit</td>
<td>913049</td>
</tr>
<tr>
<td></td>
<td>E1</td>
<td>Screw, 1/4-14 x 1 Hex HD</td>
<td>918015A</td>
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<table>
<thead>
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<tbody>
<tr>
<td>2</td>
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<td>86800406</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hardware Kit</td>
<td>913035</td>
</tr>
<tr>
<td></td>
<td>E2</td>
<td>Screw, 1/4-14 x 3/4 Hex HD</td>
<td>918015</td>
</tr>
</tbody>
</table>

LEVEL MOUNTING SURFACE ON SINGLE WHEEL CHANNELS:

When mounting 4 Post Shelving back to back on a single wheel channel assembly:

1. SADDLE POSITIONING: Align center saddle hole(s) with center wheel channel hole(s) as shown. TEMPORARILY attach the saddle to the wheel channel at this location with locating screw(s).

2. There are no pilot holes provided. Using a Power Driver, attach the Saddle to the side(s) of the wheel channel - 2 places per side.

3. REMOVE the temporary saddle locating screw(s).

4. Saddle required to ensure 4-Post is supported and level in center.

Align these holes to attach saddle with temporary alignment screw(s)

NO SCREWS remain on this surface.

Align this hole to attach saddle with temporary alignment screw

NO SCREWS remain on saddle surface.

(A1)
LEVEL MOUNTING SURFACE ON SINGLE ADA WHEEL CHANNELS:

When mounting 4 Post Shelving back to back on a single wheel channel assembly:

1. **SADDLE POSITIONING**: Align center saddle hole(s) with center wheel channel hole(s) as shown. TEMPORARILY attach the saddle to the wheel channel at this location with locating screw(s).

2. **There are no pilot holes provided.** Using a Power Driver, attach the Saddle to the side(s) of the wheel channel - 2 places per side.

3. **REMOVE** the temporary saddle locating screw(s)

4. Saddle required to ensure 4-Post is supported and level in center.
MOBILE AISLE DUAL WHEEL CHANNEL
SADDLE ASSEMBLIES: Pre-assembled at Factory

NOTE: Please count and inspect all pieces before disposing of any carton or packing materials.

### Saddle, Wheel Channel Kit 4.0

<table>
<thead>
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<th>Item</th>
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<tbody>
<tr>
<td></td>
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<td>Saddle, Wheel Channel 4.0 C</td>
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Hardware Kit

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<tr>
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<th>Part No.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>913049</td>
<td>Screw, 1/4-14 x 1 Hex HD.</td>
<td>918015A</td>
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</tbody>
</table>

### Saddle, Wheel Channel 4.0 Angle

<table>
<thead>
<tr>
<th>Item</th>
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<th>Description</th>
<th>Part No.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>'Z' Saddle, Wheel Channel</td>
<td>86800404</td>
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</table>

Hardware Kit

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<td></td>
<td>913033</td>
<td>Screw, 1/2-13 x 3 1/4 Hex HD</td>
<td>918670</td>
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<tr>
<td>E5</td>
<td>2</td>
<td>Nut, 1/2-13 Hex</td>
<td>918662</td>
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<tr>
<td>E6</td>
<td>2</td>
<td>Washer, 1/2 Lock</td>
<td>918664</td>
</tr>
<tr>
<td>E7</td>
<td>4</td>
<td>Screw, 5/15-18 x 3/4</td>
<td>X466</td>
</tr>
<tr>
<td>E8</td>
<td>4</td>
<td>Nut, Flange 5/16-18</td>
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<tr>
<td>E9</td>
<td>2</td>
<td>Spacer, Wheel Channel</td>
<td>918753</td>
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### Saddle, 'L' Wheel Channel Kit

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Saddle, 'L' Wheel Channel</td>
<td>86800407</td>
</tr>
<tr>
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<td>6</td>
<td>Bracket, Attaching</td>
<td>856252</td>
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Hardware Kit

<table>
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<tr>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>913049</td>
<td>Screw, 1/4-14 x 1 Hex HD.</td>
<td>918015A</td>
</tr>
</tbody>
</table>

To contact a Mayline Customer Service Representative. 1-800-822-8037
NO SCREWS remain on saddle surface.

LEVEL MOUNTING SURFACE ON DUAL (BACK-TO-BACK) WHEEL CHANNELS:
When mounting 4 Post Shelving back-to-back on a DUAL wheel channel assembly:

1. Modify the Single wheel channels for a back-to-back system. The OUTER Idler wheel bolts must be removed to use longer bolts required to attach the 'Z' Saddle (4). Remove existing bolts and discard.

2. Insert longer bolts (E4) through the wheels and wheel channels.

3. 'Z' SADDLE POSITIONING: Slide 'Z' channel (4) over longer bolts (E4). Loosely install Lock Washers (E6) and Hex Nuts (E5).

4. Secure 'Z' Saddle (4) to wheel channels using 4 Screws (E7) and 4 Flange Nuts (E8).

5. Tighten all Hex Nuts.

6. SADDLE POSITIONING: Align center saddle holes with center wheel channel holes as shown. TEMPORARILY attach the saddle to the wheel channel at this location with locating screw(s).

7. There are no pilot holes provided. Using a Power Driver, attach the Saddle (3) to the sides of the wheel channel - four Screws (E3) per side.

8. REMOVE the temporary saddle locating screws.

9. Saddle required to ensure 4-Post is supported and level in center.
LEVEL MOUNTING SURFACE ON DUAL ADA WHEEL CHANNELS:

When mounting 4 Post Shelving back to back on a Dual ADA wheel channel assemblies:

1. Insert the Spacer (E9) into the outer ADA wheel channels. Position the (E4) Bolt heads to the outside and pass them through the wheel channels and square spacers.

2. ‘Z’ SADDLE POSITIONING: Slide ‘Z’ channel (4) over Bolts (E4). Loosely install Lock Washers (E6) and Hex Nuts (E5).

3. Secure ‘Z’ Saddle (4) to wheel channels using 4 Screws (E7) and 4 Flange Nuts (E8).

4. Tighten all Hex Nuts.

5. SADDLE POSITIONING: Align center saddle holes with center wheel channel holes as shown. TEMPORARILY attach the saddle to the wheel channel at this location with locating screw(s).

6. There are no pilot holes provided. Using a Power Driver, attach Saddle (3) to the sides of the wheel channel - four Screws (E3) per side.

7. REMOVE the temporary saddle locating screws.

8. Saddle required to ensure 4-Post is supported and level in center.

Align these holes to attach saddle with temporary alignment screw(s)
NO SCREWS remain on saddle surface.

Align these holes to attach saddle with temporary alignment screws.

LEVEL MOUNTING SURFACE ON DUAL (BACK-TO-BACK) FIXED WHEEL CHANNELS:

When mounting 4 Post Shelving back to back on a DUAL FIXED wheel channel assembly:

1. **SADDLE POSITIONING**: Align center saddle hole(s) with center wheel channel hole(s) as shown. TEMPORARILY attach the saddle to the wheel channel at this location with locating screw(s).

2. **There are no pilot holes provided.** Using a Power Driver, attach the Saddle to the side(s) of the wheel channel - 2 places per side.

3. **REMOVE** the temporary saddle locating screws.

4. Saddle required to ensure 4-Post is supported and level in center.

5. For proper placement and attachment of Back-to-Back Fixed Wheel channels see Step 18 located on Page 14 of this instruction sheet.
ADDENDUM 'B'

ASSEMBLY INSTRUCTIONS
Back-to-Back 4-Post Shelving

SHELF REINFORCEMENT

TOP CANOPY (NON-SLOTTED SHELF)

CENTER PANEL

CLOSED "T" UPRIGHT

TOP Wide end of slot

BOTTOM Narrow end of slot

CLOSED "L" UPRIGHT

SLOTTED or NON-SLOTTED SHELF

SLOTTED or NON-SLOTTED SHELF

UPPER SHELF SUPPORT

BOTTOM SHELF SUPPORT

(B1)
ASSEMBLE FIRST RANGE OF SHELVING:

1. Position one Closed "L" Upright at beginning of each range of shelving. Install Closed "T" Uprights between each shelving unit. Complete each range of shelving with a Closed "L" Upright. Position each upright with the narrow portion of the tapered slot 'DOWN'.

2. Install Bottom Shelf Supports into "L" and/or "T" shelving uprights. Supports should be secured in place with a rubber mallet. Bottom shelf supports are unique and must be used at the bottom only.

3. Align the slots in the front Bottom Shelf Support with first hole in the Skirt. Secure in place with TEK Screws. Align the rear Bottom Shelf Support slot with the hole in the 'Z' angle and attach with TEK Screws.

4. Install Upper Shelf Supports into the top notches of shelving uprights (front and back). Supports should be secured in place with a rubber mallet. Upper shelf supports are identical and may be used in various locations.

5. Install only the "BACK" upper shelf supports at this time in the locations noted on elevation drawing. Supports should be secured in place with a rubber mallet. Upper shelf supports are identical and may be used in various locations.

6. Install one Non-slotted Shelf to the top of each shelving unit as a Canopy. All non-slotted shelves are identical and may be used at various locations.
ATTACH CENTER PANELS:

7. Rest Center Panel flange on top of installed non-slotted shelf (Canopy).

8. Slightly tip panel away from back of units and begin to remove protective backing from double faced tape (top to bottom). With panel hanging straight, FIRMLY press panel in place as you progress from top to bottom.
ASSEMBLE SECOND RANGE OF BACK-to-BACK SHELVING:

9. Assemble the second range of shelving against back of first range following steps 1 - 6.

10. Attach uprights of back to back units to each other using the (4) #10 x1/2 TEK screws (item #918301). Attach uprights back to back through open slots in 'L' and 'T' uprights, one near top and one near bottom of each upright. In above illustration: (12) TEK Screws required.

11. Continue entire range following steps 1-6.
FINAL ASSEMBLY:

12. Install all front Upper Shelf Supports parallel with the installed Shelf Supports at the back. Supports should be secured into place with a rubber mallet.

13. Install Shelf Reinforcements centered under each shelf. Refer to 4-Post assembly instruction # I910366

14. Install all shelves per recommended spacing.
ADDENDUM 'C'

VISUAL IDENTIFICATION
of DRIVE TYPE

'S' DRIVE

'D' DRIVE
(72 TOOTH)

'H' DRIVE
(112 TOOTH)