FRÍANT Tiles™ Installation Manual



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Tiles[™] System Installation Manual

Introduction

WARNING:

Failure to follow the

The Tiles™ System Installation manual provides the necessary instruction for the safe installation of the Tiles™ System for:

- The Installers with visual and written instructions.
- The End Users to ensure continued safe use of the product when maintaining and reconfiguring the product. .

To ensure proper installation of the product, the Tiles[™] System requires layout and wall supports as specified in this manual. Reconfiguration of the product and additions to an installation must be performed per the instructions in this manual to ensure the continued safe use of the product. Friant & Associates, LLC does not assume any responsibility for product that is altered in any way.



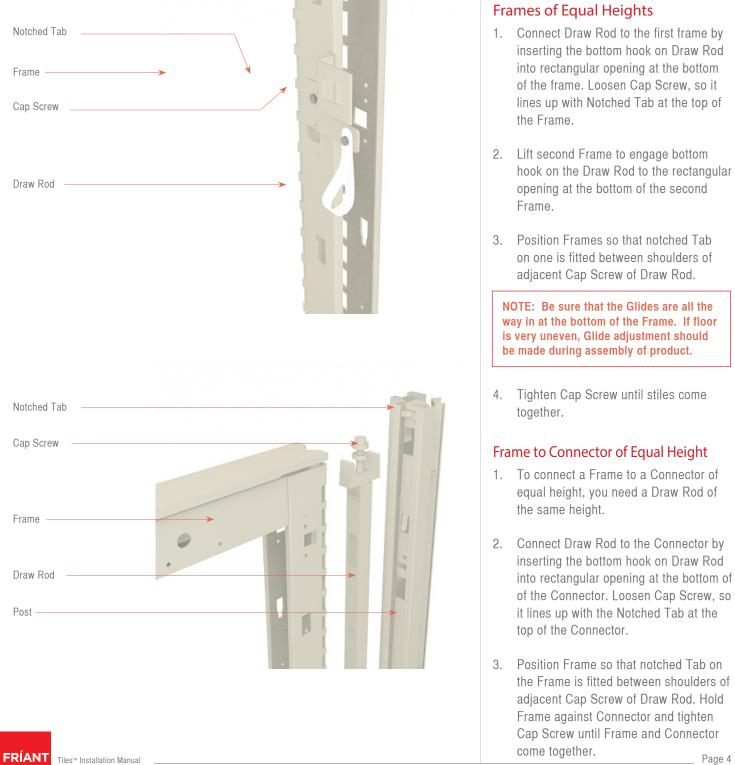
The Tiles[™] System is composed of full and/or partial height Walls, Support Cabinets, Wall Mounted and Free-Standing components, and accessories.

The Tiles™ System is considered to be portable furniture; therefore, subject to applicable local Fire, Electrical and Building Codes. Check with local authorities prior to installation.

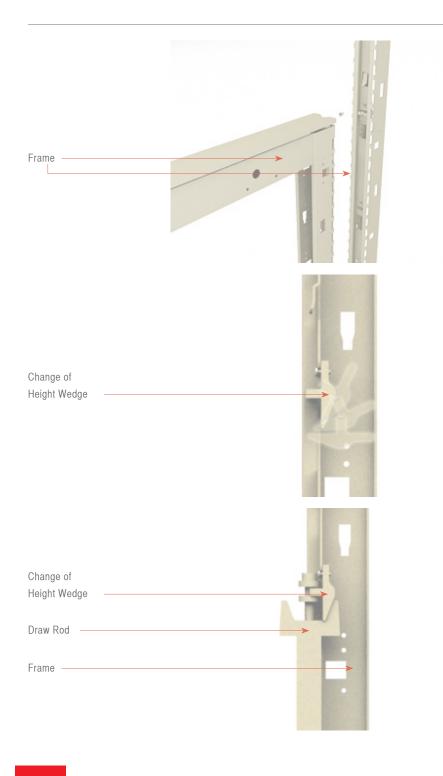
Electrical Statement:

Friant's Tiles™ System Electrical Distribution System is listed with the Underwriters Laboratories. and complies with the National Electrical Code, ANSI/BIFMA 70. Check with local authorities prior to installing the product.

Tile Assembly, Frames, Connectors, and Change of Height Wedge Installation



Tiles Assembly, Frames, Connectors, and Change of Height Wedge Installation



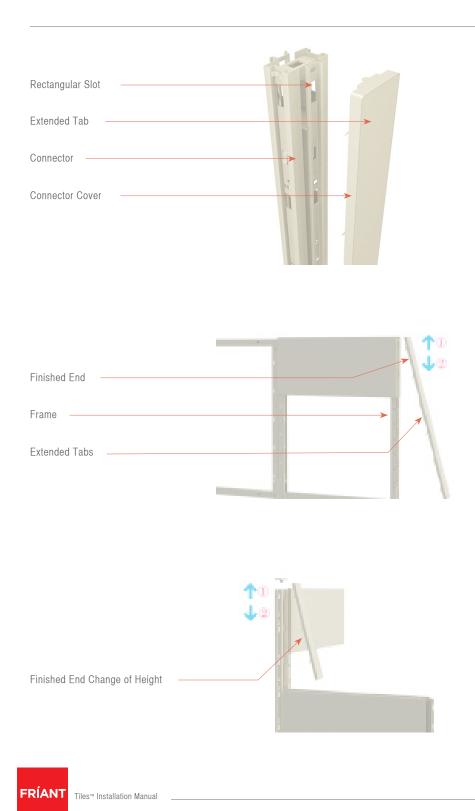
Frame to Unequal Height Frame

- 1. Remove Change of Height Wedge from the hardware package supplied with Change of Height Finished End.
- 2. Insert Change of Height Wedge in Taller Frame Channel opening that matches the height of the shorter Frame's notched tab. Rotate Wedge into position. Tighten screw.
- Loosen Cap Screw on Draw Rod that matches the height of the smaller Frame.
- 4. Connect Draw Rod to the shorter Frame by inserting the bottom hook of the Draw Rod into the rectangular opening at the bottom of the Frame. Line up the Cap Screw on the Draw Rod with the notched tab on the smaller Frame.
- 5. Lift the shorter Frame and Draw Rod, so the bottom hook on the Draw Rod engages into the rectangular opening at the bottom of the taller Frame.
- 6. Position both Frames so that the Cap Screw on the Draw Rod lines up with the notched tab of Change of Height Wedge.
- 7. Hold both Frames together, and tighten Cap Screw until Frames come into contact with each other.

Frame to Unequal Height Connector

- 1. Assemble Frame and Connector using the same procedure as Frame to unequal height Frame.
- 2. Change of Height Wedge must be installed on Connector.

Connectors Cover, Finished End Cover, Finished End Change of Height Cover, Installation



Connector Covers, and Finished End Covers

- 1. Position the Covers onto the Frame Channel so that the extended Tabs pass through the rectangular slots on the side of the Frame or Connector.
- 2. Hold the Cover tight against the Frame or Connector, and slide the Cover down until the top of the Cover is flush with the Frame Top Cap or Connector Top Cap.
- 3. To remove, hold the bottom of the Cover, and pull up until it disengages from Frame or Connector.

Change of Height Finished End

WARNING:

A Change of Height Wedge must be installed when two Frames or Connectors of unequal height are connected.

Frame Top Cap must be in place prior to installing Finished End Change of Height.

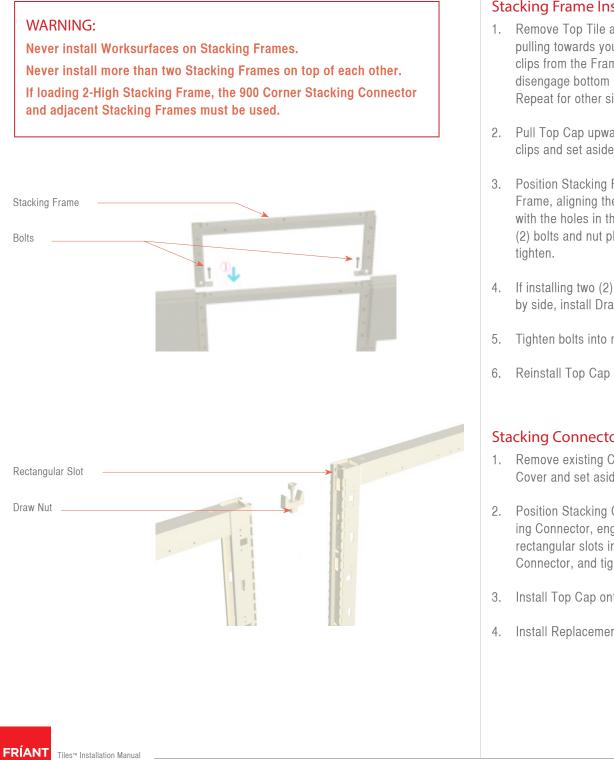
- 1. Hold the Cover tight against the Frame or Connector, and slide the Cover down until the top of the Cover is flush with the Frame Top Cap or Connector Top Cap.
- 2. To remove, hold the bottom of the Cover, and pull up until it disengages from Frame or Connector.

WARNING:

If the Connector Cover, Finished End or Change of Height Finished End does not sit flush with the top of the Frame or Connector, remove the Cover and adjust the Extended Tabs until the Cover sits flush.

3. Do not use a rubber mallet to force the Cover down.

Stacking Frame and Stacking Connector Installation



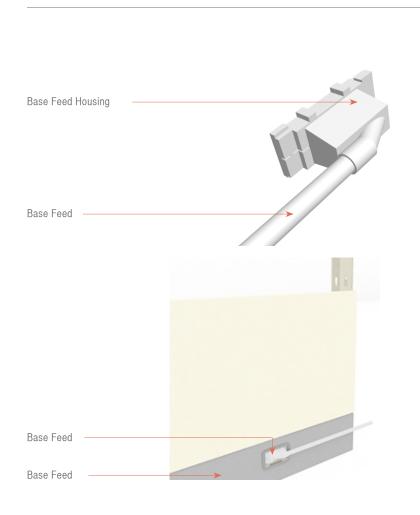
Stacking Frame Installation

- 1. Remove Top Tile at desired location by pulling towards you to disengage top clips from the Frame, pull Tile up to disengage bottom hooks from Frame. Repeat for other side of Frame.
- 2. Pull Top Cap upward to disengage the clips and set aside.
- 3. Position Stacking Frame above existing Frame, aligning the holes in brackets with the holes in the Frame. Install two (2) bolts and nut plates provided. Do not
- 4. If installing two (2) Stacking Frames side by side, install Draw Nut as shown.
- Tighten bolts into nut plate.
- 6. Reinstall Top Cap on Stacking Frame.

Stacking Connector Installation

- Remove existing Connector Top Cap and Cover and set aside.
- 2. Position Stacking Connector on top of existing Connector, engage Draw Nut into the rectangular slots in both the Frame and the Connector, and tighten screw.
- Install Top Cap onto Stacking Connector.
- 4. Install Replacement Cover.

8-Wire Electrical, Base Feed Installation



All electrical connections to the building electrical sources must be wired by a licensed electrician.

WARNING: Disconnect power before servicing.

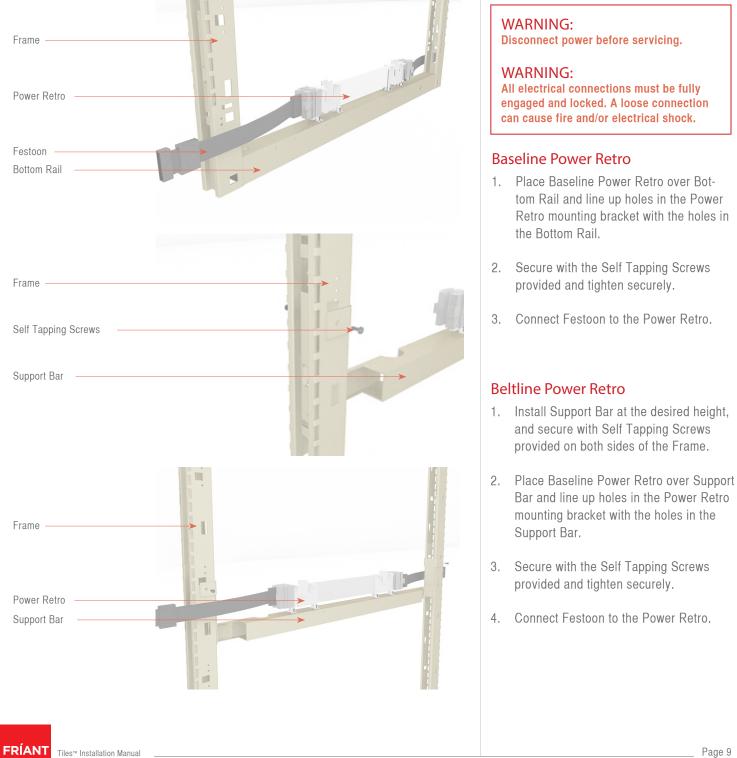
WARNING:

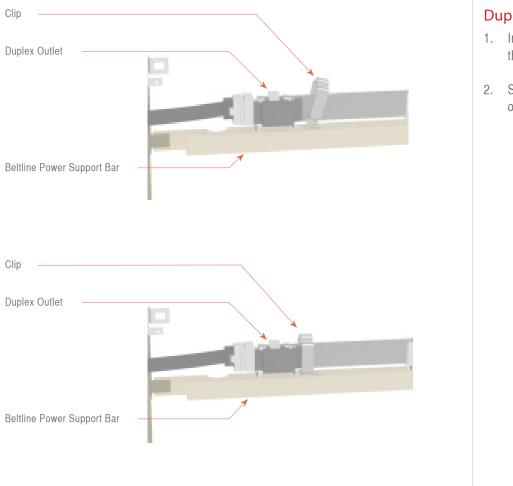
All electrical connections must be fully engaged and locked. A loose connection can cause fire and/or electrical shock.

Base Power Entry, Direct Connect

- The Base Power Entry plugs directly into a Power Retro assembly at a Duplex Outlet connection point.
- 2. Locate the appropriate connecting point on the Frame. The Base Cover must be opened to allow access.
- 3. Pass the Flex Conduit through the Base Cover closest to the connecting point. Place the Base Feed housing into position, and slide between the brackets toward the connection assembly. Ensure that the Connector is fully engaged. Press further until the spring tab clicks into position.Return the Base Cover to the closed position.
- 4. Return the Base Cover to the closed position.

8-Wire Electrical, Base Power Retro, and Beltline **Power Retro Installation**



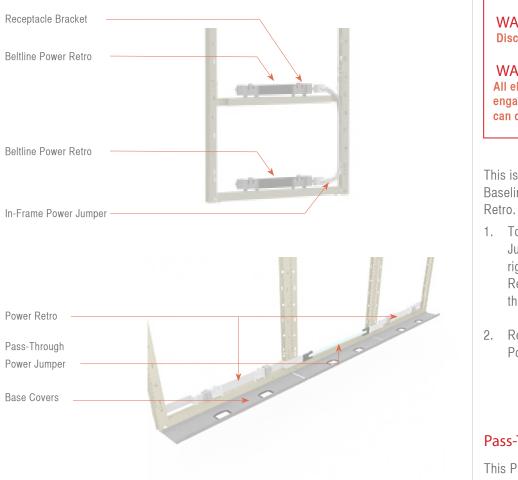


8-Wire Electrical, Beltline Power Retro Duplex Clip Installation

Duplex Clip Installation

- 1. Insert Clip at an angle into slits on top of the Beltline Power Support Bar.
- 2. Straighten Clip and slide Clip, either left or right, over the Duplex Outlet.

8-Wire Electrical, In-Frame Power Jumper and Pass-Through Power Jumper Installation



WARNING:

Disconnect power before servicing.

WARNING:

All electrical connections must be fully engaged and locked. A loose connection can cause fire and/or electrical shock.

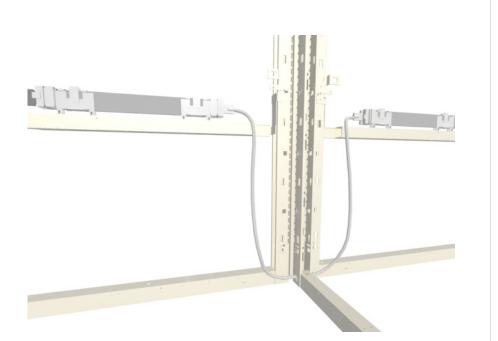
This is used to connect power from the Baseline Power Retro to the Beltline Power Retro.

- 1. To install the Flex Conduit Power Jumper, place connecting end into the right hand Receptacle Bracket on Power Retro. Press in until fully engaged, and the spring tab clicks into position.
- 2. Repeat this procedure at Baseline Power Retro.

Pass-Through Power Jumper

This Power Jumper is used to extend power from a Powered Frame through a Non-Powered Frame to an adjacent Powered Frame. It can only be used at the Baseline Power Retro.

1. To install the Flex Conduit Pass-Through Power Jumper, open Base Covers of Frames to be connected. Lay Flex Conduit at the bottom of the wire management. Connect Pass-Through Power Jumper to Power Retro on adjacent Frames. Press until fully engaged, and the spring tab clicks into position.



8-Wire Electrical, Beltline Power Transfer Installation

WARNING:

Disconnect power before servicing.

WARNING:

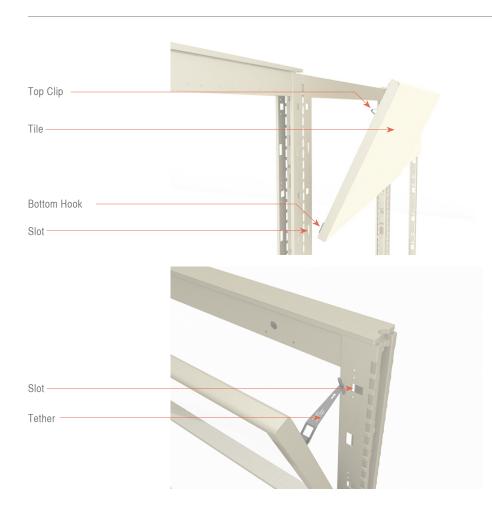
All electrical connections must be fully engaged and locked. A loose connection can cause fire and/or electrical shock.

Beltline Power Transfer

This Power Transfer is used to extend power through a 3- or 4-Way Connector at Belt Line level. It connects to the Beltline Power Retro on either side of the connector and takes the place of the Festoon.

- To install the Flex Conduit, connect Beltline Power Transfer Jumper to the Beltline Power Retro on one Frame. Let Flex Conduit drop down below the Connector Post, and back up on the other side of the Connector Post. Bring Flex Conduit back up to the Power Retro on the other side of the Connector Post.
- 2. Secure bottom of Flex Conduit to Frame with plastic Tie Strip provided.
- 3. Make sure that both connections are fully engaged, and the spring tabs click into position.

Fabric Tiles, Marker Board Tiles, Perforated Tiles, and Window Tiles Installation



Note: Install Tiles from bottom to top on a Frame. Beltline power and electrical components should be installed pirior to other tiles.

Fabric Tiles, Marker Board Tiles, Perforated Tiles, Window Tiles

- Install Bottom Tile by holding Tile at an angle. Engage Bottom Hooks into the slots on vertical member of the Frame. Right hand slot fits into keyhole slot. Pivot Tile forward until the top Clips engage into Frame. Pressure is required to snap the Clips into Frame.
- 2. Heavier Tiles, such as Window Tiles, are mounted with a tether in addition to the mounting clips. Tether can be installed or removed from Frame by twisting it 45 degrees and bending it as needed.

WARNING:

Incorrect installation can cause Tiles to fall, causing product damage and/or personal injury.

- 1. Hook bottom on Frame.
- 2. Insert tether into top of Frame.
- 3. Snap top into Frame.



Rail Tiles, Power and Data Tiles Installation

Tiles can be removed individually from any position. When more than one Tile is removed from the same Frame, remove the upper Tile first.

Rail Tiles

Installation is the same for other Tiles except:

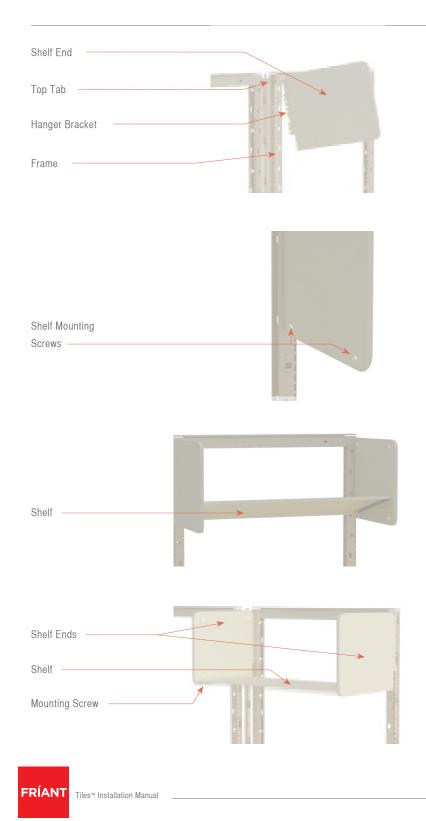
1. Secure Rail Tile to the Frame with screws provided.

Power and Data Tiles

- 1. Secure Latch Plates (from hardware pack) with screws provided.
- 2. Holding Tile at an angle, engage bottom hooks into the slots on the vertical member of the Frame. Right hand slot fits into keyhole slot. Pivot Tile forward until the two clips engage into Latch Plates. Pressure is required to snap the Clips into Latch Plates.
- 3. To remove Tiles, reverse the above procedure.

Wire Management

- 1. If wire management is required, install the adjustable clip into the hole in Latch Plate.
- 2. Hang cables from the Adjustable Clip.



Shelf Ends and Shelf Installation

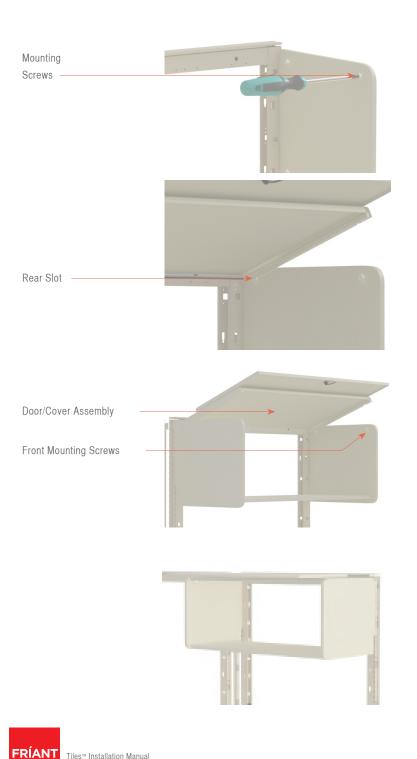
Shelf Ends Installation

- 1. Position Shelf End over Frame or Wall Strip at required height. Shelf Mounting Screws must be at the bottom edge and face the opposite Shelf End
- 2. Rotate Shelf End back. Insert Top Tab on each Shelf End hanger bracket in to the slots on the Frame or Wall Strip. Rotate front of Shelf End down to fully engage all clips into slots.
- 3. Lock Shelf Ends in place by pushing down until all clips are fully seated.

Shelf Installation

- 1. Loosen Shelf Mounting Screws at the bottom edge of each Shelf End.
- 2. Position Shelf between Shelf Ends.
- Line up the slots on each sides of the Shelf with Mounting Screws on each Shelf End. Press down on Shelf. Ensure Shelf is fully seated on the Mounting Screws.
- 4. Tighten all Mounting Screws.

Flipper Door Unit Door/Cover Installation



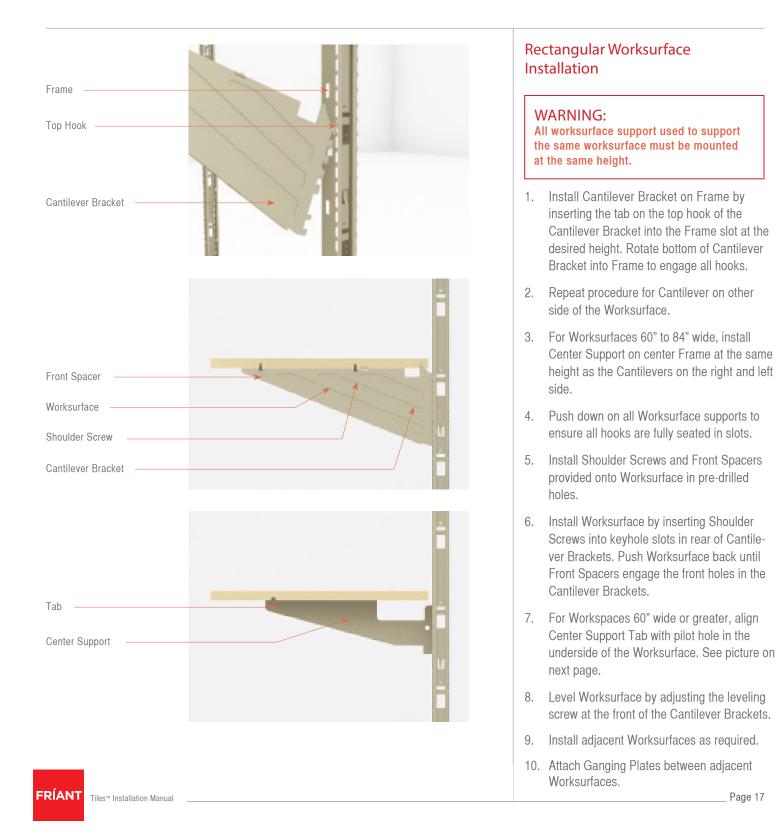
WARNING:

All screws must be tightened. Failure to do so could cause the Shelf to fall, resulting in product damage or personal injury.

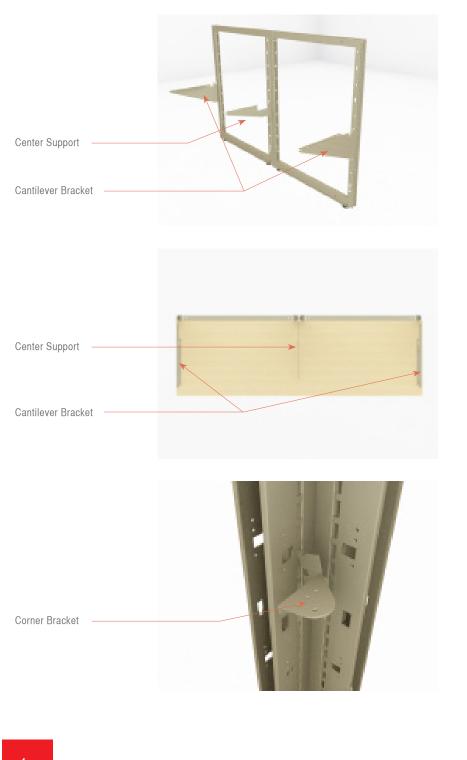
Flipper Door Unit Door/ **Cover Installation**

- 1. Loosen Mounting Screws at the top edge of each Shelf End.
- 2. With Door/Cover Assembly in the open position, lower rear slots in door guides over the back Mounting Screws.
- 3. Push Door/Cover Assembly back until front slots in door guides drop over Front Mounting Screws.
- 4. Make sure the Door/Cover Assembly is fully seated onto Mounting Screws.
- 5. Tighten all Mounting Screws

Worksurface Installation



Worksurface Installation

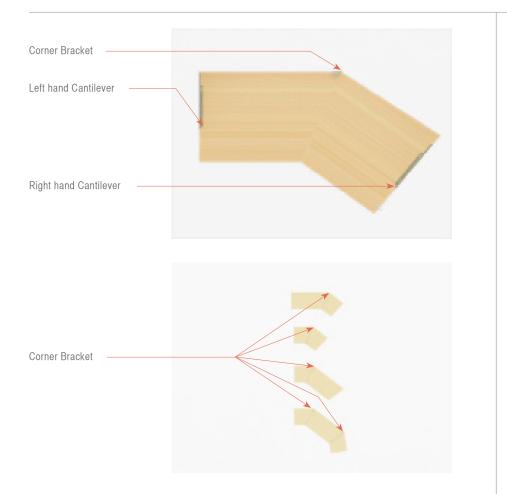


Note: Corner worksurfaces should be installed before installing adjacent worksurfaces

Corner Worksurfaces, and Extended Corner Worksurfaces

- 1. Install Corner Bracket provided at the desired height. Ensure all bracket hooks are fully seated in slots.
- 2. Install Cantilever Bracket on Frame by inserting the tab on the top hook of the Cantilever Bracket into the Frame slot at the desired height. Rotate bottom of Cantilever Bracket into Frame to engage all hooks.
- 3. Repeat procedure for Cantilever on other side of the Worksurface.
- 4. For Corner Worksurfaces 60" to 84" wide, install Center Support on center Frame at the same height as the Cantilevers on the right and left side.
- 5. Push down on all worksurface supports to ensure all hooks are fully seated in slots.
- Install Shoulder Screws at the back of the Worksurface in pre-drilled holes. Do not install Front Spacers yet.
- 7. Install Worksurface on the Cantilever Brackets (one side at a time) by inserting shoulder screws into keyhole slots in rear of Cantilever Brackets. Push Worksurface back until the Front Spacers' pre-drilled holes align with holes in the Cantilever Brackets.
- 8. Install Front Spacers.
- 9. For Worksurfaces 60" wide or greater, align Center Support Tab with pilot hole in underside of the worksurface. See picture at left.
- 10. Level Worksurface by adjusting the leveling screw at the front of the Cantilever Brackets.
- 11. Install adjacent Worksurfaces as required.
- 12. Attach ganging plates between adjacent Worksurfaces. Page 18

Worksurface Installation

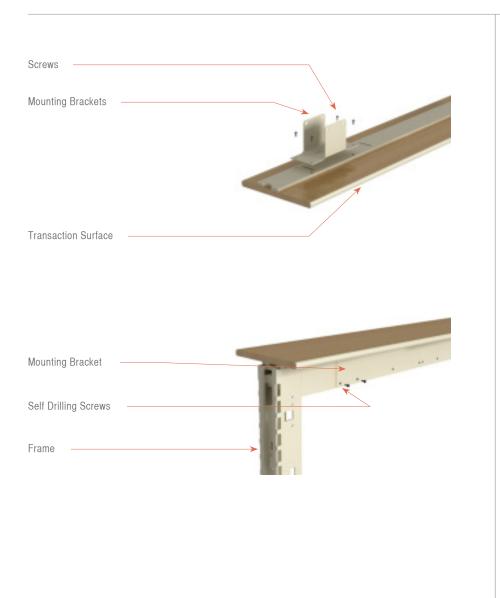


120[°] and 135[°] Worksurface Installation

Note: 120° and 135° Worksurfaces should be installed before adjacent Worksurfaces.

- 1. Install Corner Bracket provided in the corner at the desired height. Ensure all bracket hooks are fully seated in slots.
- 2. Install Cantilever Bracket on Frame by inserting the tab on the top hook of the Cantilever Bracket into the Frame slot at the desired height. Rotate bottom of Cantilever Bracket into Frame to engage all hooks.
- 3. Repeat procedure for Cantilever on other side of the Worksurface.
- Install Shoulder Screws at the back of the Worksurface in pre-drilled holes. Do not install Front Spacers yet.
- 5. Install Worksurface on the Cantilever Brackets (one side at a time) by inserting shoulder screws into keyhole slots in rear of Cantilever Brackets. Push Worksurface back until the Front Spacers' predrilled holes align with holes in the Cantilever Brackets.
- 6. Install Front Spacers.
- 7. Install adjacent Worksurfaces if needed.
- 8. Level Worksurface by adjusting the leveling screw at the front of the Cantilever Brackets.
- 9. Attach ganging plates between adjacent Worksurfaces.

Transaction Surfaces Installation



Rectangular Transaction Surface

- 1. Remove Top Tiles from both sides of Frame.
- 2. Remove existing Frame Top Cap from Frame and store for future use.
- Secure Mounting U-shape Brackets (provided) to the bottom of the Transaction Surface, using the pre-drilled holes.

NOTE: Two (2) Mounting Brackets are required for 24" and 30"W Transaction Surface. Three (3) Mounting Brackets are required for 36", 42" and 48"W Transaction Surface. Four (4) Mounting Brackets are required for 60"W Transaction Surfaces.

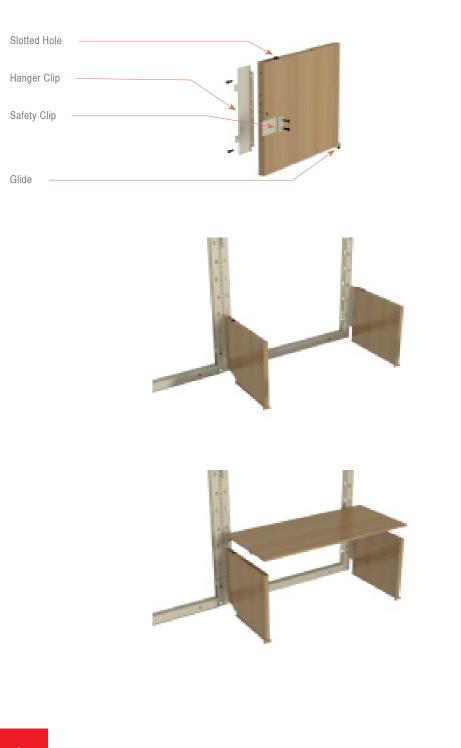
- 4. Center Rectangular Transaction Surface on Frame and push down until firmly seated.
- 5. Secure Rectangular Transaction Surface Assembly to Frame with self-drilling screws provided. Use pre-drilled holes in Brackets as template.
- 6. Replace Tiles on Frame.

Corner Transaction Surface

(same procedure as above)

- 1. Remove Top Tiles from both sides of Frames.
- 2. Remove existing Frame Top Cap from Frames and store for future use.
- 3. Secure Mounting U-shape Brackets provided to the bottom of the Transaction Surface, using pre-drilled holes.
- 4. Align Corner Transaction Surface on Frames and push down until firmly seated.
- 5. Secure Rectangular Transaction Surface Assembly to Frame, using self-drilling screws provided. Use pre-drilled holes in Brackets as template.
- 6. Replace Tiles on Frame.

Worksurface Support End Panels, and Half Leg Installation



End Panel and Half Leg Installation

- 1. Position Hanger Clip to End Panel, either in a right hand or left hand position as required.
- 2. Install and tighten four (4) screws into outer holes of Hanger Clip.

NOTE: Do not install safety clip at this time.

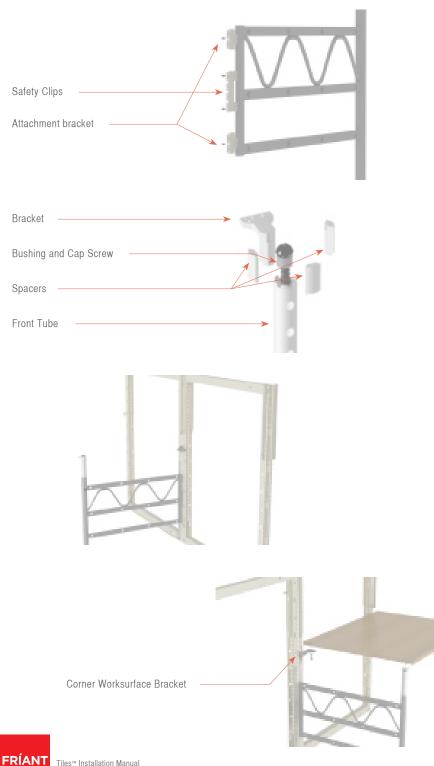
 Mount End Panel or Half Leg with bottom Hanger Clip hook engaged in second slot from bottom of Frame. Hanger Clip can be mounted one slot higher or lower depending on required Worksurface height.

NOTE: Safety Clip must be secured to End Panel and Frame. Failure to do so could cause product instability and/or physical injuries.

- 4. Install Safety Clip into Hanger Frame and align Clip with pilot holes in Support Panel. Tighten screws to secure safety clip.
- 5. Level End Panel or Half Leg by adjusting Glide under front end of Support Panel.

Installing Worksurfaces

- Mount Worksurface onto End Panel or Half Leg by inserting shoulder screw into rear slotted hole on top of End Panel or Half Leg. Push Worksurface back until Front Spacer screw drops into front hole of Support Panel.
- 2. For Half Legs, install Ganging Plates between adjacent Worksurfaces.



Open Metal Worksurface Support Installation

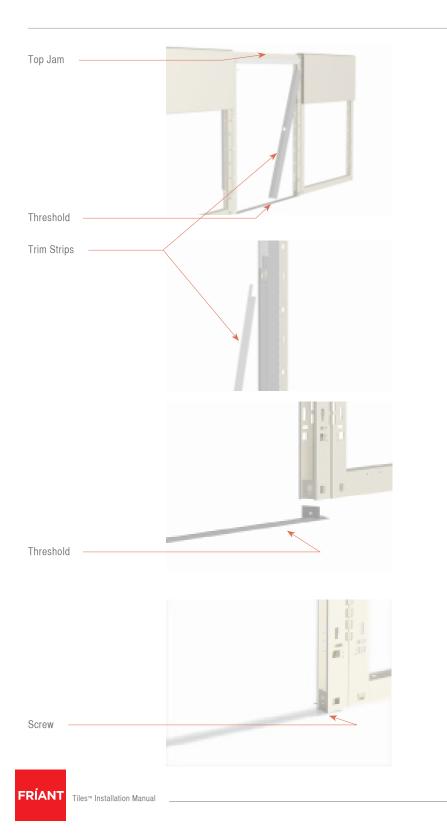
NOTE: Open Metal Worksurface Support is only to be used in End Run Application.

- 1. Assemble Bracket and Spacers as shown. Adjust for right or left hand Installation.
- 2. Hold Bracket and Spacers together. Install Bushing and secure with Cap Screw. Do not tighten. Align Bracket Assembly in the correct position and tighten Cap Screw.
- 3. Adjust the height of the Bracket Assembly by removing the Adjustment Screw. Slide the inner tube to the desired height and reinsert Adjustment Screw. Tighten screw.
- 4. Make sure the Adjustment Screw faces under the Worksurface and is not visible from the End of Run.
- 5. Adjust Safety Clips and Attachment Bracket for right or left application
- 6. Align bottom Attachment Bracket with bottom slot in Hanger Frame. Insert Attachment Brackets into Hanger Frame and push down on Open Metal Worksurface Support until firmly seated.
- 7. Insert Safety Clip into Hanger Frame. Align holes in Safety Clip with holes in Open Return, and secure Safety Clip with screws provided.

Note: Safety Clip must be secured to Open Return and Frame. Failure to do so could cause product instability and/or physical injuries.

- Install Corner Worksurface Bracket to 8. match the height of the Bracket Assembly.
- Install Worksurface. 9.

Door Frame Installation



NOTE: Door swing cannot be changed. If opposite swing configuration is needed, a new door is required.

- 1. Door Frame is factory assembled for either left or right hand swing.
- 2. Place Door Frame at the proper location with door swing on the desired side of Frame.
- 3. Connect Door Frame to adjacent Frame with Draw Rod.
- 4. Adjust adjacent Frame Glides so door opening is square with the door. Door Frame must be parallel to the flat face of the door.
- 5. Loosen bottom screws on each side of opening above Threshold. Press Threshold to floor and tighten screws.
- 6. Position Trim Strips and press in place.

Supporting Pedestals and Lateral Files Installation



Supporting Pedestals Installation

- All Pedestals (except Mobile Pedestals) 1. must attach to the supporting Worksurface.
- 2. Check the Pedestal height to ensure it fits under its supporting Worksurface. If it is not the correct height, adjust the Glides on the Pedestal or raise the Worksurface.
- 3. To install the Pedestal, first open the top drawer. Unlock the Pedestal with the key located inside the top drawer. Remove the two (2) box drawers or the top file drawer, depending on the Pedestal configuration.

NOTE: To remove the drawers, lift the dislodging brackets on each side of the drawer at the front of the suspensions, and pull forward.

- 4. With the Pedestal in place, attach the Mounting Screws at the front and rear of the Worksurface and tighten.
- 5. Carefully re-insert the drawers into the track.

NOTE: Always recheck the drawer for proper operation after installing the Pedestal.

6. Check to ensure the lock is working properly.

Supporting Lateral Files

- 1. All supporting Lateral Files must attach to the supporting Worksurface.
- 2. Check the Lateral File height to ensure that it will fit under the supporting Worksurface. If it is not the correct height, adjust the Glides on the Lateral File or raise the Worksurface.
- To install the Lateral File, repeat the 3. above steps.



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