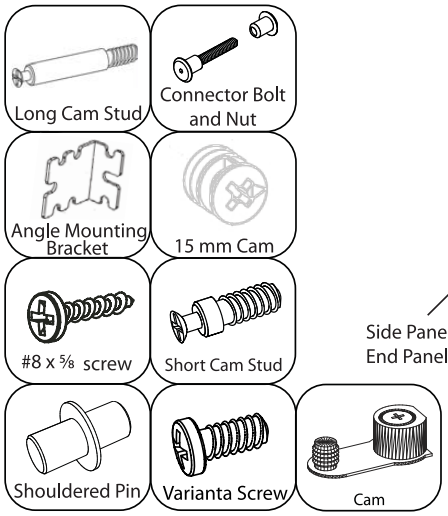
31 SERIES SHELVING

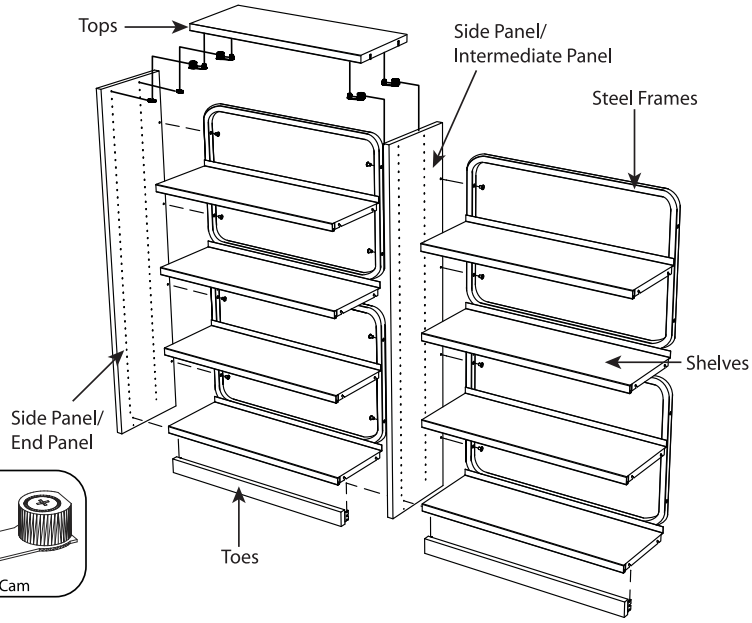
INSTALLATION GUIDE

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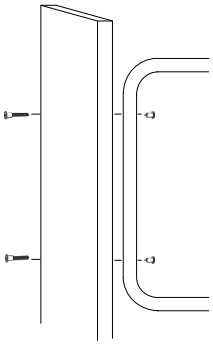
31 SERIES

INSTALLATION GUIDE





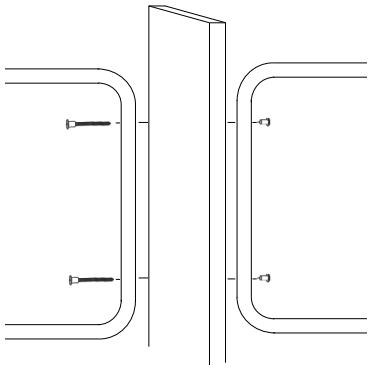
Steel Frames- see STEP 1a
Back Panels- see STEP 1b



STEP 1- Attaching side panels to steel frames

For Starter Units:
Attach the tubular steel frames to an end panel using the shorter ($1\frac{3}{4}$") connector bolt and nut

- Make sure shelf pin hole lines face in towards shelves
- Single-sided units have specific right and left end panels
- Single and Double-sided units 42" and shorter use 1 tubular frame
- Single and Double-sided units over 42" use 2 tubular frames
- One person assembly can be started on the floor



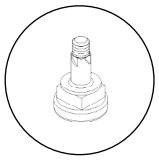
For Adder Units:
Bolt through one steel frame, then an intermediate panel, then the next steel frame with the longer ($2^{3}/_{4}$") connector bolt and nut

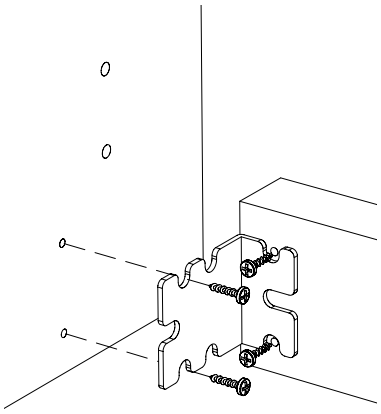
- For easier one person assembly you can attach steel frame(s) to end panel and first intermediate panel on the floor. Next attach toes (next page) then stand unit upright before adding additional frames and panels

Lay out all initial, adder and end units but **DO NOT** tighten bolts, yet.

- All bottoms must be level relative to each other. Adjust leveling kits if needed. If leveling kits are not ordered, shim if necessary.

Leveling Kit

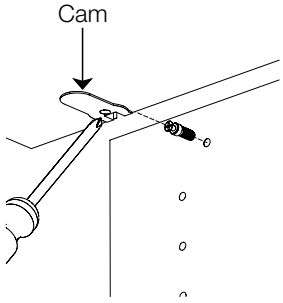




STEP 2 - Attaching the Toes
Screw the toe/bracket assembly to the side panels using the #8 x $^{5}/_{8}$" screws.

Then attach the angle mounting brackets to either end of the rear face of the toes by screwing the #8 x $^{5}/_{8}$" screws.

- Toes will be offset to the inside of the front edge of the side panels but should be flush with the bottom of the panel.
- One toe is provided for single unit and two toes are provided for each double-sided unit



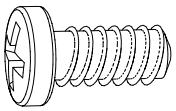
STEP 3 - Attaching the Tops
Screw the short cam studs into every pre-bored 5mm holes at the top of each face of each side panel.

- 2 holes in a single end panel, 4 holes in a single intermediate panel or double-sided end panel, 8 holes in an double-sided intermediate panel

Insert cams into pre-drilled holes in top, then align cams onto the studs and tighten the cam about $^{1}/_{4}$ turn clockwise.

- Make sure the unfinished edge of a single top faces to the rear

31 SERIES
INSTALLATION GUIDE



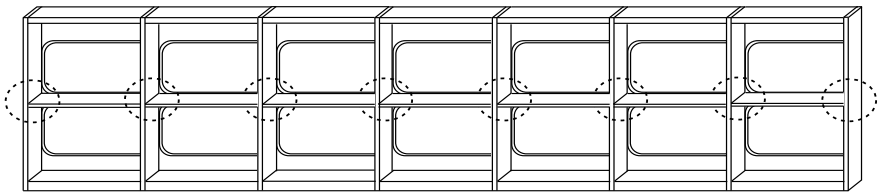
Varianta Screw

STEP 4 - Installing Fixed Shelves in units 42"H and taller:
(For Units shorter than 42”H, skip to STEP 5. Mobile units proceed to STEP 4a)

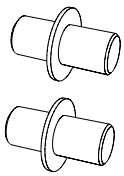
VARIANTA SCREWS MUST BE INSTALLED ON TALLER UNITS

Shouldered pins must be replaced with Varianta screws on mid-height shelves of all the bookcases in the run.

Note: Units not using the optional tops must also substitute Varianta screws for the top shelves.



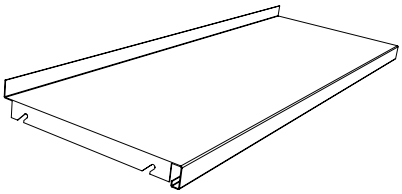
2 Varianta screws on each end of shelf in each bookcase of the run



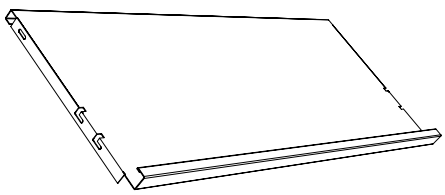
STEP 5 - Installing Shelves

Slip shouldered pins into aligned holes in side panels and install shelves (4 pins per shelf)

- Pins in bottom line holes will hold the bottom shelf just above the toe



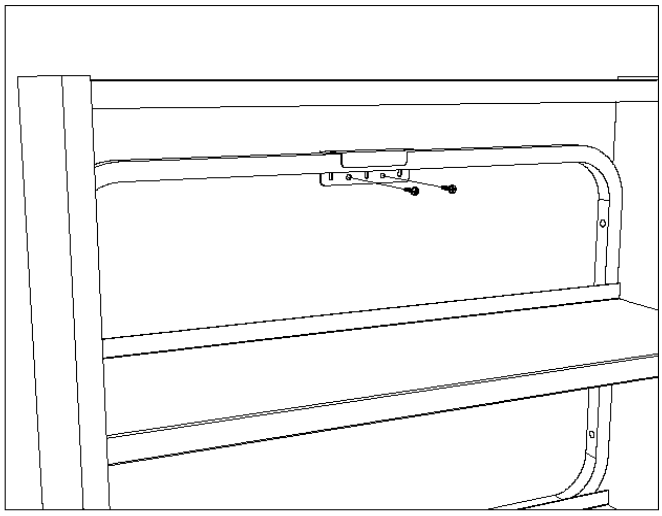
Standard 31 Series Shelf



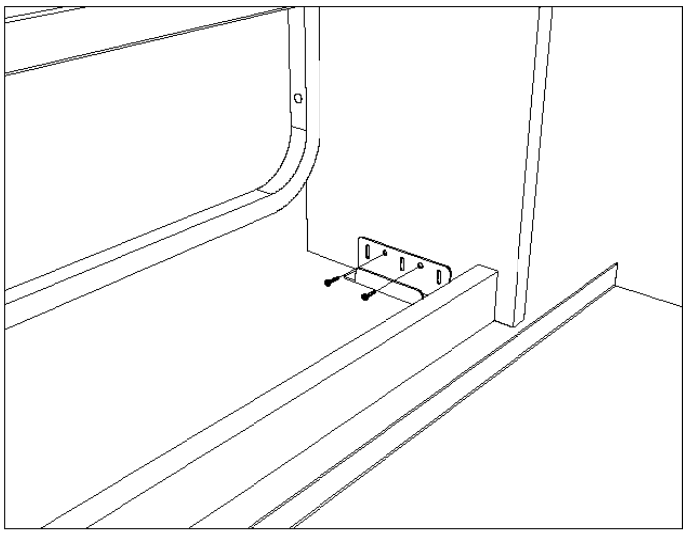
31 Series Magazine Shelf

Wall Mounting Brackets are sold seperately:

For wall anchoring, clip over 31 Series back frame at highest possible location and anchor to wall with fasteners provided by owner/installer.

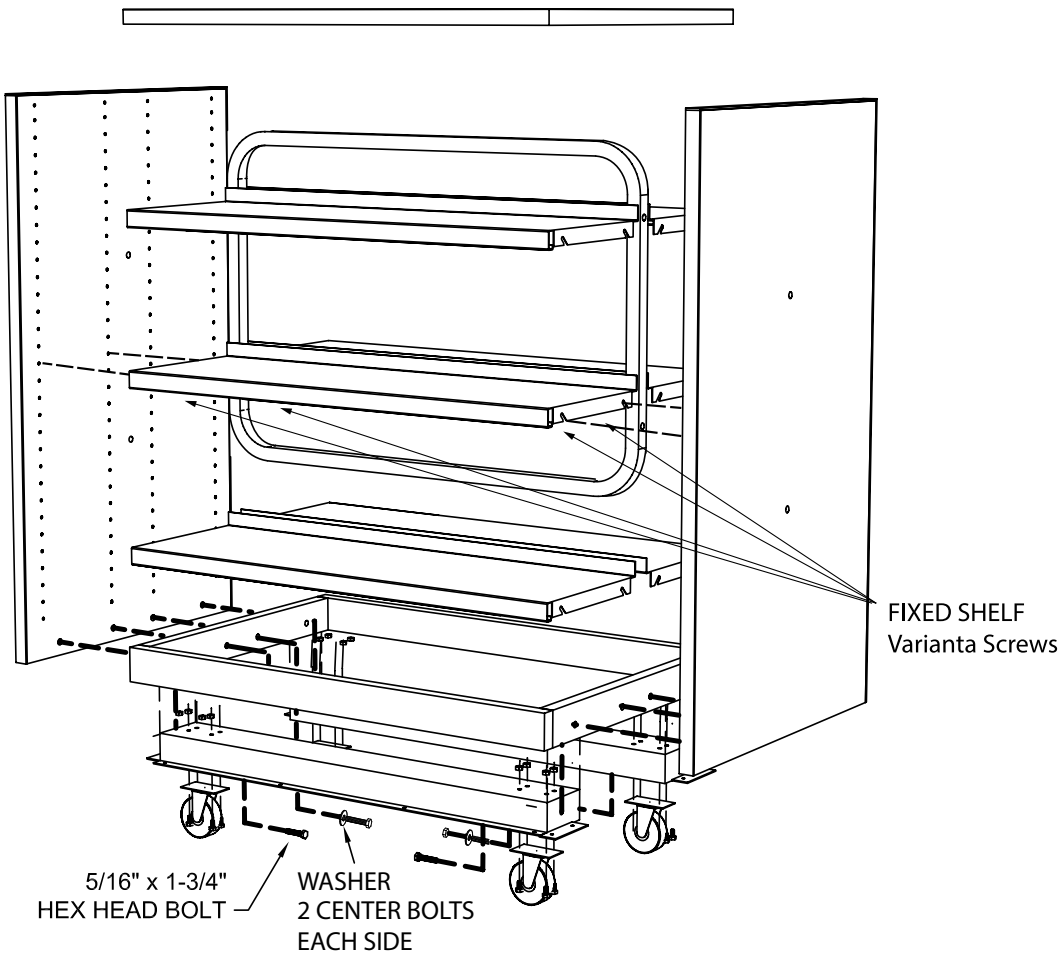


For floor anchoring, fasten to the inside face of the desired shelving end or adder panel at a location below the lower shelf using #10 x 3/4” screws. Fasten to the floor with anchors provided by owner/installer.



31 Series Mobile Shelving

- Mobile 31 Series shelving is assembled in the same manner as standard, non-mobile 31 Series shelving with the exception of the toes and mobile shelving requires one fixed shelf.
- Individual toes and brackets are replaced by a toe frame, shipped assembled with casters and metal caster support frames.
- To assemble, simply bolt through the metal caster frame and toe frame into the threaded inserts at the bottom of the side panels using the $^{5}/_{16}$" x 1 - $^{3}/_{4}$" bolts provided.

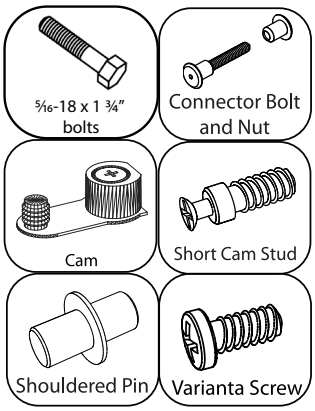


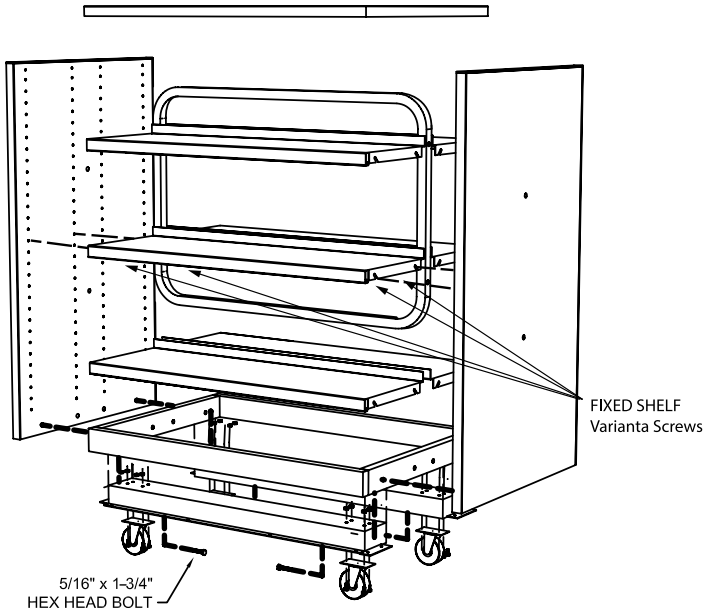
31 Series Mobile Shelving

ATTENTION: UNITS ARE INITIALLY ASSEMBLED LAYING ON SIDE

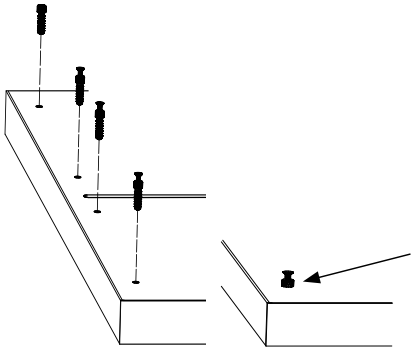
Tools Required:

Two 5/16 wrenches
Philips head screwdriver





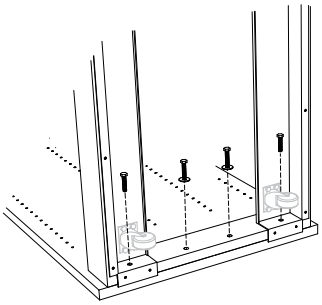
- Mobile 31 Series shelving is assembled in the same manner as standard, non-mobile 31 Series shelving with the exception of the toes and **mobile shelving requires one fixed shelf.**
- Individual toes and brackets are replaced by a toe frame, shipped assembled with casters and metal caster support frames.



STEP 1 - Attaching the cams
Lay end panels, outer face down, on a protected surface to avoid scratching. Screw cam bolts into pre-bored holes in top of side of both panels. Set one panel aside.

- The cam bolt must be installed so its shoulder is tight to the panel face. DO NOT OVERTIGHTEN and strip the wood.

Shoulder tight to panel face
DO NOT OVERTIGHTEN OR
STRIP (USE YOUR CLUTCH)

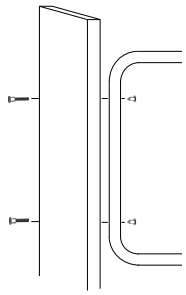


STEP 2 - Attaching the caster frame and toe unit to the sides for Mobile Bookshelf Unit:

Bolt both caster frame and toe assembly to end panel using 5/16-18 x 1-3/4" bolts (1/2" hex head). **Finger tight for now.**

- **Washers are used in the center locations only.**
- Repeat for second side panel
- Set unit upright

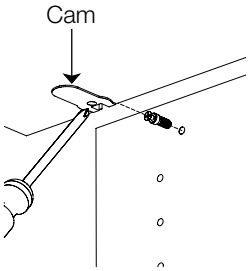
31 Series Mobile Shelving



STEP 3- Attaching side panels to steel frames For Starter Units:

Attach the tubular steel frame to an end panel using the shorter ($1\frac{3}{4}$") connector bolt and nut

- Make sure shelf pin hole lines face in towards shelves
- Double-sided Mobile units use 1 tubular frame
- One person assembly can be started on the floor



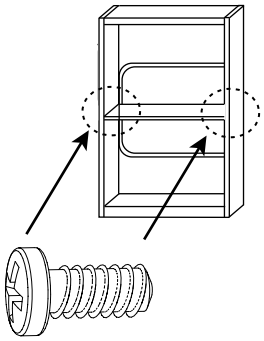
STEP 4 - Attaching the Tops

Insert cams into pre-drilled holes in top, then align cams onto the studs and tighten the cam about $\frac{1}{4}$ turn clockwise.



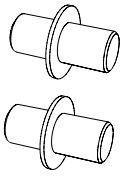
REMEMBER STEP 5 →

STEP 5 - TIGHTEN ALL SCREWS AND BOLTS!



STEP 6a - Installing Fixed Shelves in Double Faced Mobile Units:

Substitute (4) Varianta Screws for standard steel shelf pins on a middle shelf of the bookcase. Fixed shelves should be installed on one side of double unit. Install Varianta Screw w/ #2 Pozi Drive.

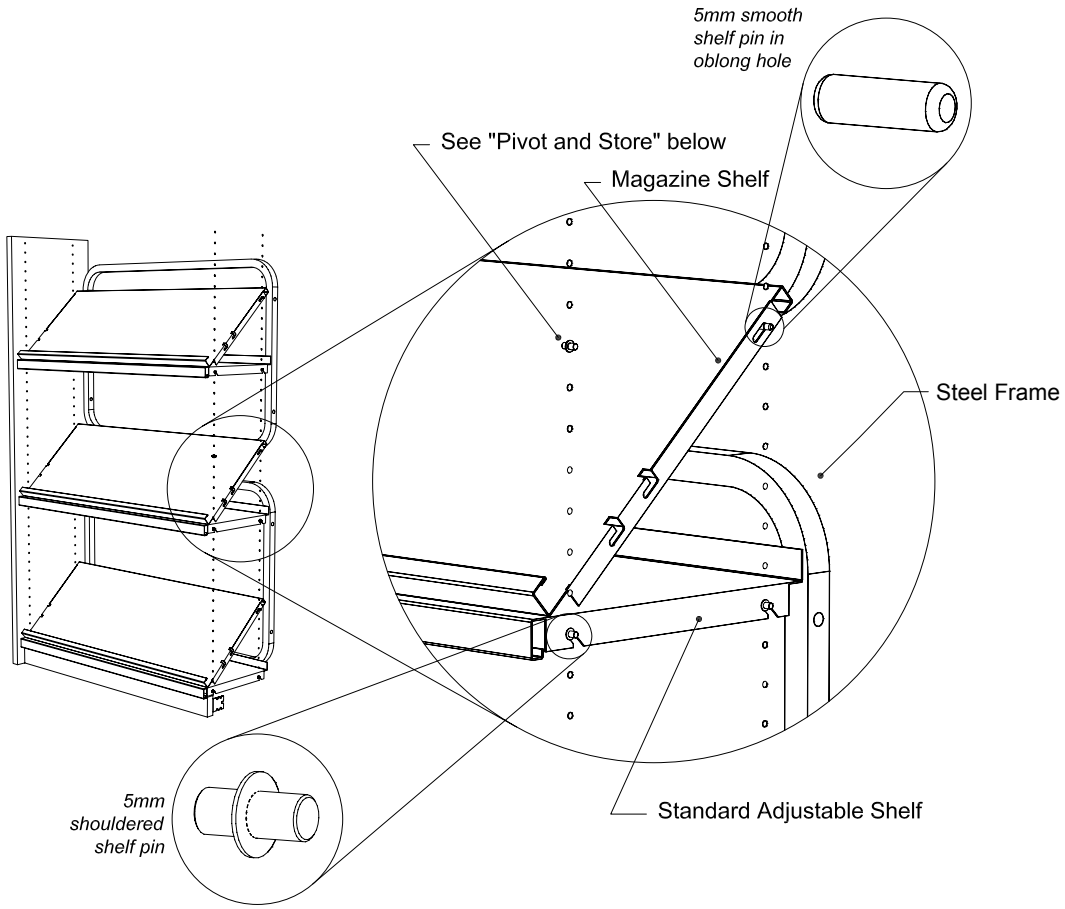


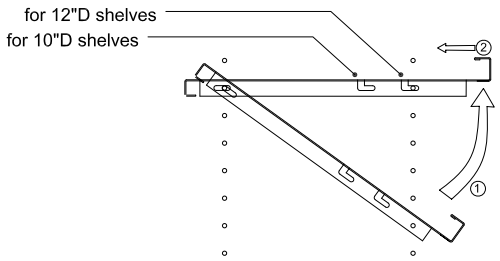
STEP 6 - Installing Standard Steel Shelves
Install all adjustable steel shelves as shown in standard Steel Frame Shelving instructions.

31 Series Magazine Shelf

Installing magazine display shelf
Install standard adjustable shelf as usual and then rest magazine shelf on top of it.

Lift rear of shelf to desired tilt angle and slip smooth 5 mm shelf pins through the pivot slots in the rear of each side flange.





Pivot and Store Feature

To use the pivot and store feature, just place two shelf pins in the two line holes opposite the smooth shelf pins that act as pivots for the magazine shelf.

- (1) Swing the shelf up so the additional shelf pins slip through one of the “L” shaped slots in the side flanges
- (2) Push the shelf back to hold in place