

office

Storage Solutions

Product Specifications



Record Master[®]

Rivet-Span[®]

Easy-Trak[™] Mobile Systems

RECORD MASTER® FOUR-POST SHELVING

BASIC DESIGN

Four-post, wedge-locking design, consisting of three basic parts: uprights, shelves and shelf supports. Parts to be assembled without nuts, bolts, studs or clips; without sway braces or gussets; and without the need for tools of any kind. There shall be no holes on exposed surfaces except that the shelves shall be punched to accept center stops. The front and back flange of the shelf shall be flush with the outside face of the post. Shelves shall be adjustable on 1-1/2" centers. Individual components to be as follows:

OPEN UPRIGHT: Open uprights shall consist of 2" wide, 18 gauge cold rolled steel posts rolled into a hollow "Tee" formation ("Angle" formation for row ends), with keyhole slots on the inner wall only, on 1-1/2" centers. There shall be no holes in the face of the post. The front and back posts shall be joined by welding three 3" high 18 gauge spacers to give the required upright depth and rigidity. Uprights 88-1/4" that are 18" to 30" deep or over 88-1/2" high shall have four spacers. The "Tee" upright shall be used as a common upright between units.

CLOSED UPRIGHT: Closed uprights shall have the same specifications as open uprights except the 18 gauge spacers are replaced by a welded 24 gauge closure sheet.

SHELF: Standard shelf filing shelves shall be formed of 22 gauge cold rolled steel with 5/8" flanges on all sides. Front and back flanges to be turned in 9/32". Optional heavy-duty shelves shall be formed of 18 gauge cold rolled steel. Shelves shall have shelf divider slots on 3" centers. Slots shall coincide with the inside edge of the posts so a file divider can be used to provide a flush condition with the post at the shelf end on single and double entry units. Shelves are to be punched for center stops.

SHELF SUPPORT: 30" and 36" shelf supports shall be formed of 14 gauge hot rolled, pickled steel 3/4" high; 42" and 48" shelf supports shall be formed of 11 gauge hot rolled, pickled steel 3/4" high. An ear at each end of the shelf support shall contain two shoulder rivets spaced to set into the keyhole slots on the inner wall of the upright. Rivets shall be 7/16" diameter at the head.

SHELF REINFORCEMENTS: Shelf reinforcements shall be formed of 14 gauge steel into a channel shape in lengths 1-1/8" less than depth of the shelves with which used. The vertical flanges of the channel are notched at each end.

BACK STOP: Back stop shall be formed of 18 gauge cold rolled steel 2-1/2" high and with a 5/16" flange on top and bottom. Face to be slotted on same centers as shelf to receive and retain file divider tab. Ends shall each have one formed steel post connector. Back stop shall also act as stop for files and is used on single entry only.

CENTER STOP: Center stop shall be formed of 20 gauge cold rolled steel 4-5/8" high with one 5/8" flange with mounting holes on bottom edge and with 5/8" returned box flange at top to provide a stiff, finished back-stopping surface of equal depth in each opening. The face is slotted to retain file dividers on same centers as shelves. Center stop shall be bolted at center of double entry shelves with three bolts and nuts.

FILE DIVIDER: File divider shall be a flat shape blanked from 20 gauge steel with two tabs to enter mating slots in shelf and a retaining tab on back edge to locate and stabilize divider against back stop or center stop. Divider shall be self-locking on shelf, 6" high and 10" deep for letter size filing or 13" deep for legal size filing.

FRONT BASE shall be made from 20 gauge cold rolled steel and shall be a flat strip with one 1/2" stiffening flange across the bottom edge.

FINISH: All parts are thoroughly cleaned, neutralized, given a slight etch for good adhesion and an adherent phosphate coating. The powder coat finish of selected color is electrostatically applied and baked at appropriate temperatures. Finish must withstand ASTM Impact Resistance test, Conical Mandrel Bend test, and other rigid powder coat paint specifications. For more complete information, please refer to our Paint Application/Paint Film Performance General Specifications.

COLOR: Color to be selected from manufacturer's standard colors, but not necessarily limited thereto. Indicate additional cost for special match color.

ACCESSORIES

BACK: Back, up to 88-1/4", shall be one piece formed of 24 gauge cold rolled steel and shall be held in place without fasteners of any kind by its reversed flanged ends. The side edges of the back shall be formed in two reverse 90° bends to provide flanges 1/4" wide. These flanges shall fit around the post and shall hold the back in place by retaining the flanges between the shelf support, the notch in the shelf and the post.

BACK HOLDER: Back holders attach to backs to rigidly brace the top and bottom of back panel.

SLIDING REFERENCE SHELVES: Sliding reference shelves, formed of 18 gauge steel, shall be full unit width and attached to the undersides of shelf supports where specified. They shall operate on ball bearing extensions slides and shall be single faced only to allow simultaneous use on both sides of a free standing range.

SINGLE RIVET BOTTOM SHELF SUPPORT: Single rivet bottom shelf support shall be formed of 14 gauge hot rolled, pickled steel, 1-1/4" high. Each end of the shelf support shall contain a shoulder rivet spaced to set into the bottom keyhole slot on the inner wall of the upright. Shoulder rivets shall be 7/16" diameter at the head.

HPL END PANEL shall extend full width and height of unit. The laminate shall cover the face and edges of the particle board core. Thickness as specified.

INSTALLATION

- Installation performed by factory trained, authorized installers.
- Installation shall be in strict accordance with approved manufacturer's assembly, and installation instructions.
- Anchor shelving to the building's support structure for safety where required.
- Install shelving at uniform, equal height spacing, unless instructed otherwise.
- Assemble components at the job site only in the manner and locations indicated on approved drawings.

WARRANTY

Manufacturer shall extend the original purchaser from the date of purchase a five-year limited warranty against manufacturing defects in material and workmanship.

RECORD MASTER® CANTILEVER FILING UNITS

BASIC DESIGN

Cantilever, unit construction design, consisting of three basic parts: Welded Modular Frame, Adjustable Divider Shelves, and Divider Base Shelves. Design shall be such that all components of a shelf filing unit may be removed from any range without in any way disturbing the adjacent units. Adjustable Divider Shelves shall be shorter in depth than Base Shelves thus allowing stored documents to overhang for maximum accessibility, and shall be adjustable on 1" vertical centers. Canopy tops, end panels, and solid backs shall be available as accessories. Individual components to be as follows:

WELDED FRAME: Upright Columns of welded frame shall be formed of not less than 16 gauge steel in to channel shape with no less than 1/2" stiffening flanges measuring 2" in the web and 1-1/4" at front and rear surfaces. Uprights are to be perforated full height with a series of 3/16" x 5/8" slots spaced 1" on vertical centers and located within 9/32" from the web.

Top Spreader of welded frame shall consist of not less than 16 gauge tubular steel shape measuring as least 1" x 2-1/2" in cross section. This spreader is to be electrically welded to uprights at concealed locations.

Bottom Spreader of welded frame shall consist of not less than 16 gauge steel channel shape measuring at least 1" x 1-3/4" in cross section. The outer ends of this channel are to be punched and will receive weld nuts pre-drilled to receive floor leveler glides. Bottom Spreader is to be electrically welded to uprights with open portion of channel positioned upward.

Welded Frames shall be heights as specified and 36" or of special width as specified and equipped with two adjustable neoprene covered glides to provide protection to floor covering and to prevent "walking" of units.

CLOSED BASE SUPPORT BRACKETS: Base Support Brackets shall be no less than 16 gauge steel. Bracket shall be designed to fit snugly in and around welded frame upright and allow adjustability of frame while brackets remain flush to floor. Brackets shall have a 90° flange at bottom which will rest on floor covering. Top and front edge of base bracket is to be flanged outward approximately 1/4" and profile shall match that of adjustable shelf end bracket. Bracket shall have a cup impression to prevent overlapping when units are joined. Each impression will have a hole through it for attaching adjoining base brackets with a fastener contained within the impression

to prevent file damage. Brackets to be configured for single face or double face applications in specified depth for letter or legal size filing.

BASE SHELF shall be of 18 gauge steel. Front height shall be 3" and sides shall have stiffening flanges. Back edge shall be formed upward 5" and with 1/4" return. Shelf to be slotted on 1" centers to receive file dividers. Five dividers 6" high shall be included for each base shelf opening.

ADJUSTABLE SHELF shall be of no less than 18 gauge steel with front edge box formed down 3/4" and with a 1/2" x 3/8" box formation. Shelf to be slotted on 1" centers to receive file dividers. Five dividers 6" high shall be included for each shelf opening. All divider shelves are to be of nominal depths as specified. Nominal letter and legal size filing depths shall be 1" greater than actual shelf depth.

SHELF END BRACKETS shall be designed with a 15° sloped front edge, shall be formed of not less than 16 gauge steel and all but the rear edge is to be flanged outward approximately 1/4". Rear edge shall have two crimped hooks at top and a positioning tab at bottom for engaging frame upright slots. Bracket shall extend at least 6" above shelf surface, incorporate grips for securing shelf side flanges and include cup impression to prevent bracket overlapping when shelves are in place.

FILE DIVIDER shall be one piece flat shape blanked with a hook arm position tab on bottom edge to match slots in shelf and a retaining tab on back edge to locate and stabilize divider against back stop. Divider is self-locking on shelf. Letter and legal size dividers are to be 18 gauge and 6" high.

FINISH: All parts are thoroughly cleaned, neutralized, given a slight etch for good adhesion and an adherent phosphate coating. The powder coat finish of selected color is electrostatically applied and baked at appropriate temperatures. Finish must withstand ASTM Impact Resistance test, Conical Mandrel Bend test, and other rigid powder coat paint specifications. For more complete information, please refer to our Paint Application/Paint Film Performance General Specifications.

COLOR: Color to be selected from manufacturer's standard colors, but not necessarily limited thereto. Indicate additional cost for special match color.

ACCESSORIES

STEEL END PANELS shall consist of one piece of 18 gauge steel formed with flush profile with 1-1/2" square edge and exposed return flange of not less than three inches to extend full width and height of unit. Tops and bottoms shall be tightly closed with closure flanges spot welded in place. Centers of double faced panels shall be equipped with full height channels for attaching to frame uprights and to eliminate "oil canning."

STEEL CANOPY TOPS shall be formed of 18 gauge steel with a minimum of 1-1/2" front edge and shall extend the full width and depth of the unit base. Tops shall be supported by 14 gauge brackets fastened to or engaged with the frame uprights.

SOLID STEEL BACKS shall be of one piece 22 gauge steel with 18 gauge closure flanges spot welded at top and bottom, completely filling the space between the upright channels and extending from the base shelf to the top of the unit. Fillers shall be provided in the upright channels to prevent light penetration through the assembly.

SLIDING REFERENCE SHELVES: 18 gauge steel shall be attached to the undersides of adjustable shelves where specified. The sliding shelf intended for use with the nominal 10" deep letter size adjustable shelf shall be 11-3/4" actual deep and shall extend 3" in front of the supporting shelf in the closed position and extend 14" in the open position. The sliding shelf intended for use with the nominal 14" deep legal size adjustable shelf shall be 13" actual deep and shall extend 2" in front of the supporting shelf in the closed position and extend 13" in the open position.

TRANSVERSE TOP TIE STRUT shall be of 18 gauge steel measuring no more than 1" x 1-3/4" x 96" and shall be provided on the ratio of one length for every three sections of double faced shelf filing units.

TRIANGULAR REINFORCING GUSSETS shall be used on mobile base systems or in geographical areas with seismic requirements. Triangular reinforcing gussets shall be no less than 16 gauge steel and be 36" high, shape to conform to the shelf filing units, and have a 1-1/2" base flange. Triangular reinforcing gussets, when used, shall be installed between all units. Each gusset shall be punched for attachment to units' upright column and the base flange shall have holes for securing to mobile base or anchoring into floor. Single faced gussets are furnished left or right hand.

WARRANTY

Manufacturer shall extend the original purchaser from the date of purchase a five-year limited warranty against manufacturing defects in material and workmanship.

RECORD MASTER®

HEAVY-DUTY X-RAY SHELVING

BASIC DESIGN

Four-post, wedge-locking design, consisting of four basic parts: Uprights, shelves, shelf supports and dividers; which are assembled without nuts, bolts, studs (except for divider attachment) or clips of any kind; without any sway braces or gussets; and without the need for tools of any kind. There shall be no holes on exposed surfaces except that the shelves shall be punched to accept full height X-ray dividers and center stops. The front and back flange of the shelf shall be flush with the outside face of the post. Shelves shall be adjustable on 1-1/2" centers. A standard 5-tier unit measures 83-3/4" high. Available widths are 36", 42" and 48". Individual components to be as follows:

CLOSED UPRIGHT shall consist of 2" wide, 18 gauge cold rolled steel posts rolled into a hollow "Tee" formation ("Angle" formation for row ends), with keyhole slots on the inner wall only, on 1-1/2" centers. There shall be no holes in the face of the post. The front and back posts shall be joined by welding 24 gauge closure panel to give the required upright depth. Uprights are 18" deep for single entry and 36" deep for double entry units. The "Tee" upright shall be used as a common upright between units.

SHELVES shall be formed of 18 gauge cold rolled steel with 5/8" flanges on all sides. Front and back flanges to be turned in. The shelf surface shall be punched on 2" centers to allow for full height X-ray dividers. Double entry, 36" deep, shelves shall also be punched for center stops.

SHELF SUPPORT – INTERMEDIATE LEVEL: Double rivet shelf supports shall be formed of 11 gauge hot rolled, pickled steel 1-1/4" high. An ear at each end of the shelf support shall contain two shoulder rivets spaced to set into the keyhole slots on the inner wall of the upright. Rivets shall be 7/16" diameter at the head.

SHELF SUPPORT – BOTTOM LEVEL: Single rivet shelf supports shall be formed of 14 gauge hot rolled, pickled steel 1-1/4" high. Each end of the shelf support shall contain a shoulder spaced to set into the bottom keyhole slots on the inner wall of the upright. Rivets shall be 7/16" diameter at the head.

SHELF REINFORCEMENTS for load carrying shelves shall be formed of 16 gauge steel into a channel shape 1-3/64" high, 1-1/16" wide and in lengths 1-1/8" less than depth of the shelf with which it is used. The vertical flanges of the channel are notched at each end.

FULL HEIGHT X-RAY DIVIDER: Fixed-type dividers shall be full height made of 22 gauge cold rolled steel, flanged on top and bottom and pierced to be attached with plastic push studs. Dividers shall be 16-7/8" deep x 16-3/8" high. Front and rear edge of divider shall be hemmed for strength, rigidity and added safety. Dividers shall be adjustable on 2" centers.

CENTER STOP shall be formed of 20 gauge cold rolled steel 4" high with one 1/2" flange with three mounting holes on the bottom edge to provide a finished back-stopping surface. Center stop shall be bolted at center of double entry shelves with three bolts and nuts.

ACCESSORIES:

BACK: Backs, up to 88-1/4", shall be one piece formed of 24 gauge cold rolled steel and shall be held in place without fasteners of any kind by its reversed flanged ends. The side edges of the back shall be formed in two reverse 90° bends to provide flanges 1/4" wide. These flanges shall fit around the post and shall hold the back in place by retaining the flanges between the shelf support, the notch in the shelf and the post.

BACK HOLDER: Attached to backs to rigidly brace the top and bottom of back panel.

FINISH: All parts are thoroughly cleaned, neutralized, given a slight etch for good adhesion and an adherent phosphate coating. The powder coat finish of selected color is electrostatically applied and baked at appropriate temperatures. Finish must withstand ASTM Impact Resistance test, Conical Mandrel Bend test, and other rigid powder coat paint specifications. For more complete information, please refer to our Paint Application/Paint Film Performance General Specifications.

COLOR: Color to be selected from manufacturer's standard colors, but not necessarily limited thereto. Indicate additional cost for special match color.

WARRANTY

Manufacturer shall extend the original purchaser from the date of purchase a five-year limited warranty against manufacturing defects in material and workmanship

RECORD MASTER® CASE-STYLE LIBRARY SHELVING

BASIC DESIGN

Four-post, wedge-locking design, consisting of three basic parts: Uprights, shelves and shelf supports. Parts to be assembled without nuts, bolts, studs or clips; without sway braces or gussets; and without the need for tools of any kind. There shall be no holes on exposed surfaces except that the shelves, shall be punched to accept center stops. The front and back flange of the shelf shall be flush with the outside face of the post. Shelves shall be adjustable on 1-1/2" centers. Individual components to be as follows:

CASE-STYLE CLOSED UPRIGHT: Case-style uprights shall consist of 2" wide, 18 gauge cold rolled steel posts rolled into a hollow "Tee" formation ("Angle" formation for row ends), with two welded 24 gauge closure panels. There shall be keyhole slots on the inner walls only of post, on 1-1/2" centers. There shall be no holes in the face of the post. The panel formation provides an end support wall flush with the inside edge of front and rear posts. There shall be a recess channel adjacent to the posts that conceals shelf supports and provides for the placement of a back stop in single entry units. Double face units shall have a recess channel at mid-depth for installation of a center stop. The "Tee" upright shall be used as a common upright between units..

SHELF: Case-style shelves shall be formed of 18gauge cold rolled steel with 5/8" flanges on all sides. Front and back flanges to be turned in. Ends formed flush to clear inside offset panel of upright.

SHELF SUPPORT: Shelf supports, 30" and 36", shall be formed of 14 gauge hot rolled, pickled steel 3/4" high. Shelf supports, 42" and 48", shall be formed of 11 gauge hot rolled, pickled steel 3/4" high. An ear at each end of the shelf support shall contain two shoulder rivets spaced to set into the keyhole slots on the inner wall of the upright. Rivets shall be 7/16" diameter at the head.

SHELF REINFORCEMENTS: Shelf reinforcements shall be formed of 14 gauge steel into a channel shape in lengths 1-1/8" less than depth of the shelves with which used. The vertical flanges of the channel are notched at each end.

FRONT BASE: Front base shall be made from 20 gauge cold rolled steel and shall be a flat strip with one 1/2" stiffening flange across the bottom edge.

FINISH: All parts are thoroughly cleaned, neutralized, given a slight etch for good adhesion and an adherent phosphate coating.

The powder coat finish of selected color is electrostatically applied and baked at appropriate temperatures. Finish must withstand ASTM Impact Resistance test, Conical Mandrel Bend test, and other rigid powder coat paint specifications. For More complete information, please refer to our Paint Application/Paint Film Performance General Specifications.

COLOR: Color to be selected from manufacturer's standard colors, but not necessarily limited thereto. Indicate additional cost for special match color.

ACCESSORIES:

CENTER STOP: Center stop shall be formed of 20 gauge cold rolled steel 4-5/8" high with one 5/8" flange with mounting holes on bottom edge and with 5/8" returned box flange at top to provide a stiff, finished back-stopping surface of equal depth in each opening. The face is slotted to retain file dividers on same centers as shelves. Center stop shall be bolted at center of double entry shelves with three bolts and nuts.

FINDABLE BOOK SUPPORTS: Findable book supports of 6" or 9" height as specified shall include nonskid composition on base. Paint to match shelving color.

SLIDING WIRE BOOK SUPPORT: Sliding wire book support shall be formed of an injection-molded plastic slider block with an attached chrome-plated wire form 6" high and 6" deep. The slider block shall snap onto sliding divider center stop or back stop rail. It shall be easily moved when force is applied near the rail but self-locking when force is applied to the wire form away from the rail.

SLIDING WIRE BOOK SUPPORT CENTER STOP: Sliding wire book support center stop shall be extruded aluminum in the shape of a "U" channel. The channel sides act as rails for back-to-back sliding supports on double face units. Center stop is 1-1/4" high and shall be bolted at center of double face shelves with three bolts and nuts.

SLIDING WIRE BOOK SUPPORT BACK STOP: Sliding wire book support back stop shall be formed of 18gauge cold rolled steel with a hem at the top that serves as a rail for sliding support. There shall be two shoulder rivets with a 7/16" diameter head for assembly into posts. Back stop shall be 2-1/8" high and for single face units only.

BACK: Back, up to 88-1/4", shall be one piece formed of 24 gauge cold rolled steel and shall be held in place without fasten-

ers of any kind by its reversed flanged ends. The side edges of the back shall be formed in two reverse 90° bends to provide flanges 1/4" wide. These flanges shall fit around the post and shall hold the back in place by retaining the flanges between the shelf support, the notch in the shelf and the post.

BACK HOLDER: Back holders attach to backs to rigidly brace the top and bottom of back panel.

SLIDING REFERENCE SHELVES: Sliding reference shelves, formed of 18 gauge steel, shall be full unit width and attached to the undersides of shelf supports where specified. They shall operate on ball bearing extension slides and shall be single faced only to allow simultaneous use on both sides of a free standing range.

HINGED PERIODICAL SHELF: HP shelves for 36" wide units shall be formed of 20 gauge steel, provide 33-5/8" wide x 11-3/4" high display surface with choice of 15° or 20° slope and include a 1-7/8" deep retaining lip at bottom of shelf. Shelves shall attach to uprights where specified and operate on full width pivot rod.

SHELF LABEL HOLDERS: Shelf label holders attach with pressure-sensitive adhesive, shelf label holders shall be 3/4" high.

CARD HOLDERS: Card holders shall be plated steel of size to hold 3" x 5" cards. Two (2) shall be required for each exposed double faced end panel. Locate card holders as directed by architect and/or owner.

RANGE FINDERS: Range finders are to be "V" shaped, designed to hold 3" x 5" cards, and enameled to match the shelving. Provide one for each 88-1/4" or 97-1/4" high exposed end panel.

HPL COUNTER TOPS: HPL counter tops shall be continuous tops with high pressure laminate as selected on top and edges over particle board cores.

HPL END PANEL: HPL end panels shall extend full width and

height of unit. The laminate shall fully cover the particle board core. Thickness as specified.

INSTALLATION

- Installation performed by factory trained, authorized installers.
- Installation shall be in strict accordance with approved manufacturer's assembly, and installation instructions.
- Anchor shelving to the building's support structure for safety where required.
- Install shelving at uniform, equal height spacing, unless instructed otherwise.
- Assemble components at the job site only in the manner and locations indicated on approved drawings.

WARRANTY

Manufacturer shall extend the original purchaser from the date of purchase a five-year limited warranty against manufacturing defects in material and workmanship

RECORD MASTER® HEAVY-DUTY SHELVING

BASIC DESIGN

Four-post, wedge-locking design, consisting of three basic parts: uprights, shelves and shelf supports. Parts to be assembled without nuts, bolts, studs or clips; without sway braces or gussets; and without the need for tools of any kind. There shall be no holes on exposed surfaces except that the shelves shall be punched to accept center stops. The front and back flange of the shelf shall be flush with the outside face of the post. Shelves shall be adjustable on 1-1/2" centers. Individual components to be as follows:

OPEN UPRIGHT: Open uprights shall consist of 2" wide, 18 gauge cold rolled steel posts rolled into a hollow "Tee" formation ("Angle" formation for row ends), with keyhole slots on the inner wall only, on 1-1/2" centers. There shall be no holes in the face of the post. The front and back posts shall be joined by welding three 3" high 18 gauge spacers to give the required upright depth and rigidity. Uprights 88-1/4" that are 18" to 30" deep or over 88-1/2" high shall have four spacers. The "Tee" upright shall be used as a common upright between units.

CLOSED UPRIGHT shall have the same specifications as open uprights except the 18 gauge spacers are replaced by a welded 24 gauge closure sheet.

SHELF: Shelves shall be formed of 18 gauge cold rolled steel with 5/8" flanges on all sides. Front and back flanges to be turned in 9/32". The shelf shall be without holes except all 18" to 36" deep shelves can have three holes for center stops.

SHELF SUPPORT: Shelf supports shall be formed of 14 gauge hot rolled, pickled steel 1-1/4" high. An ear at each end of the shelf support shall contain two shoulder rivets spaced to set into the keyhole slots on the inner wall of the upright. Rivets shall be 7/16" diameter at the head.

SHELF REINFORCEMENTS shall be formed of 16 gauge steel into a channel shape 1-3/64" high, 1-1/16" wide and in lengths 1-1/8" less than depth of the shelf with which it is used. The vertical flanges of the channel are notched at each end.

FINISH: All parts are thoroughly cleaned, neutralized, given a slight etch for good adhesion and an adherent phosphate coating. The powder coat finish of selected color is electrostatically applied and baked at appropriate temperatures. Finish must withstand ASTM Impact Resistance test, Conical Mandrel Bend test, and other rigid powder coat paint specifications.

For more complete information, please refer to our *Paint General Specifications*.

COLOR: Color to be selected from manufacturer's standard colors, but not necessarily limited thereto. Indicate additional cost for special match color.

ACCESSORIES

FRONT BASE shall be made from 20 gauge cold rolled steel and shall be a flat strip with one 1/2" stiffening flange across the bottom edge.

BACK: Backs, up to 88-1/4", shall be one piece formed of 24 gauge cold rolled steel and shall be held in place without fasteners of any kind by its reversed flanged ends. The side edges of the back shall be formed in two reverse 90° bends to provide flanges 1/4" wide. These flanges shall fit around the post and shall hold the back in place by retaining the flanges between the shelf support, the notch in the shelf and the post.

BACK HOLDER shall be of 20 ga steel. Back holder attaches to backs to rigidly brace the top and bottom of back panel.

CENTER STOP shall be formed of 20 gauge cold rolled steel 4" high with one 1/2" flange with three mounting holes on bottom edge to provide a finished back-stopping surface of equal depth in each opening. Center stop shall be bolted at center of double entry shelves with three bolts and nuts.

SINGLE RIVET BOTTOM SHELF SUPPORT: Single rivet bottom shelf support shall be formed of 14 gauge, hot rolled, pickled steel, 1-1/4" high. Each end of the shelf support shall contain a shoulder rivet spaced to set into the bottom keyhole slot on the inner wall of the upright. Shoulder rivets shall be 7/16" diameter at the head.

WARRANTY

Manufacturer shall extend the original purchaser from the date of purchase a five-year limited warranty against manufacturing defects in material and workmanship.

SHELF CAPACITIES

(in pounds based on uniformly distributed loads using 18 gauge shelves)

| Shelf Size | | 14 gauge shelf support | | | 11 gauge shelf support | | |
|------------|-------|--------------------------------|-----|-----|--------------------------------|------|-----|
| Width | Depth | Number of Shelf Reinforcements | | | Number of Shelf Reinforcements | | |
| | | 0 | 2 | 3 | 0 | 2 | 3 |
| 36" | 12" | 675 | — | — | 950 | — | — |
| 36" | 15" | 600 | 625 | — | 675 | 1000 | — |
| 36" | 18" | 300 | 700 | — | 300 | 900 | — |
| 36" | 24" | 150 | 600 | — | 150 | 850 | — |
| 36" | 30" | — | 550 | — | — | 850 | — |
| 36" | 36" | — | — | 525 | — | — | 525 |
| 42" | 12" | 550 | — | — | 800 | — | — |
| 42" | 15" | 500 | 575 | — | 600 | 850 | — |
| 42" | 18" | 800 | 600 | — | 325 | 800 | — |
| 42" | 24" | 175 | 550 | — | 200 | 775 | — |
| 42" | 30" | — | 550 | — | — | 800 | — |
| 42" | 36" | — | — | 525 | — | — | 550 |
| 48" | 12" | 475 | — | — | 575 | — | — |
| 48" | 15" | 450 | 450 | — | 575 | 700 | — |
| 48" | 18" | 300 | 500 | — | 350 | 675 | — |
| 48" | 24" | 200 | 450 | — | 225 | 650 | — |
| 48" | 30" | — | 475 | — | — | 650 | — |
| 48" | 36" | — | — | 475 | — | — | 650 |

RIVET-SPAN® SHELVING

BASIC DESIGN

Open-Style, wide-span and shelving unit consisting of three basic parts: posts, horizontal beams and particle board decking. A variety of beams are available to accommodate a wide range of loads...And, in spans and depths greater than conventional shelving. Beams have high-strength shoulder rivets that engage double keyhole post slots on 1-1/2" vertical centers for form a strong and rigid unit. Particle board decking, supported by the beams creates the storage surfaces. All units require a full perimeter of double rivet beams at top and bottom of unit.

Single Rivet Beam and Double Rivet Low Profile Beam 24" deep or less shelving units:

- do not require SRB's front-to-back at each intermediate level in the unit.
- units 6' - 8' high must have one intermediate level front-to-back SRB's located approximately in the middle of the unit.
- units 9' - 10' high must have two intermediate levels front-to-back SRB's located to divide the height into three equal parts.
- units 11' - 16' high must have three intermediate levels; a full perimeter of DRB's in the middle plus intermediate levels of front-to-back SRB's in the upper and lower halves of unit.

Single Rivet Beam and Double Rivet Low Profile Beam 30" deep or greater shelving units must have single rivet beams front-to-back at every intermediate beam level and unite 11' - 16' must have SRB's front-to-back at every intermediate level AND have a full perimeter level of Double Rivet Beams located approximately in the middle of the unit.

Double Rivet Angle Beam, Double Rivet Channel Beam and Double Rivet Z Beam wide-span units must have front-to-back and left-to-right beams at each beam level to provide decking support and ensure stability.

Tie plates are recommended to tie adjacent angle post units together and to ensure structural stability. Tie plates should be used at the top and bottom of adjacent angle posts with additional tie plates spaced no more than 48" apart. Tie plates are not used on units with T posts.

ANGLE POST: Standard-duty upright post shall be manufactured from 14 gauge hot-rolled steel, formed into an angle formation of 1.57" x 1.57", punched on 1-1/2" vertical centers with double keyhole slots to accept shoulder rivets of the beam options.

HEAVY-DUTY ANGLE POST shall be of 14 gauge hot-rolled steel formed into angle with equal length flanges of 1-7/8", punched on 1-1/2" vertical centers with double keyhole slots to accept shoulder rivets of the different beam options.

T POST: Common post between adjoining units to create economical starter and adder units shall be a minimum of 14 gauge hot-rolled steel. Post to be formed into "T" formation with an opening between two halves of the post to allow shoulder rivets of beams to be installed back-to-back. The post dimensions shall be 3.34" x 1.57", punched on 1-1/2" vertical centers with double keyhole slots to accept shoulder rivets of the different beam options.

TIE PLATE ANGLE POST: Tie plate shall be made from 14 gauge hot-rolled steel, with four shoulder rivets spaced to set into two keyhole slots of two angle post uprights to create a T post. Shoulder rivets shall be 7/16" diameter at the head.

FOOT PLATE: Foot plate shall be designed for single angle (row end) and double angle or T (intermediate) posts to provide means of distributing post weight and securing posts/units to the floor. Plate shall measure 4" x 2" and be constructed of 14 gauge hot-rolled steel with holes provided for bolting to posts, for floor anchoring bolts and to permit beam rivets to clear footplate.

DOUBLE RIVET ANGLE BEAM shall be of 14 gauge hot-rolled steel, formed into an angle formation with a top, decking support leg of 7/8" and a face leg of 2-5/8". The top leg shall be mitered at each end to allow two beams to connect to a post at the same level, front-to-back and left-to-right, without interference. The beam shall have at each end two shoulder rivets spaced to set into the keyhole slots of the upright post. The beam shall also have at each end a punched hole to work in conjunction with a keyhole slot to allow an anti-lift, safety lock nut and bolt to be added. Shoulder rivets shall be 7/16" diameter at the head.

DOUBLE RIVET CHANNEL BEAM shall be of 14 gauge hot-rolled steel, formed into a "C" formation with a face leg of 3" and a decking support top leg and bottom leg of 7/8". The top leg shall be mitered at each end to allow the beam to connect to the post at the same level with a Double Rivet Angle Beam, front-to-back or left-to-right, without interference. The beam shall have at each end two shoulder rivets spaced to set into the keyhole slots of the upright post. The beam shall also have at each end a punched hole to work in conjunction with a keyhole slot to allow an anti-lift, safety lock nut and bolt to be added. Shoulder rivets shall be 7/16" diameter at the head.

SINGLE RIVET BEAM shall be of 14 gauge hot-rolled steel with a 1" high face and a decking support flange to allow particle board decking to be recessed. The decking support flange shall be mitered at each end to allow two beams to connect to a post at the same level, front-to-back and left-to-right, without interference. Each end of the beam shall contain a shoulder rivet spaced to set into the keyhole slots of the upright post. Shoulder rivets shall be 7/16" diameter at the head.

DOUBLE RIVET LOW PROFILE BEAM shall be of 14 gauge hot-rolled steel with a 1-1/4" high face and a formed decking support flange to allow particle board decking to be recessed. The formed decking support flange shall be designed to allow two beams to connect to a post at the same level, front-to-back and left-to-right, without interference. An ear at each end of the beam shall contain two shoulder rivets spaced to set into the keyhole slots of the upright post. Shoulder rivets shall be 7/16" diameter at the head.

DOUBLE RIVET Z BEAM shall be of 14 gauge hot-rolled steel with a formed 2-5/8" high face. The formed face shall create a 7/8" recessed particle board decking support flange. Beams exceeding 60" in length shall have an additional formed return flange on the bottom of the beam. The formed decking support flange shall be mitered at each end to allow two beams to connect to a post at the same level, front-to-back and left-to-right, without interference. Each end of the beam shall contain two shoulder rivets spaced to set into the keyhole slots of the upright post. Shoulder rivets shall be 7/16" diameter at the head.

SUPPORTTIE: Support tie shall be of 14 gauge hot-rolled steel, formed to fit front-to-back between two Double Rivet Angle or Double Rivet Channel Beams. The tie shall bolt from the rear faces of the beams to provide decking support and reduce beam rotation.

PARTICLE BOARD DECKING: Particle board decking shall be 5/8" medium density (45#) industrial grade and be installed without the use of nuts or bolts.

FINISH: All parts are thoroughly cleaned, neutralized, given a slight etch for good adhesion and an adherent phosphate coating. The powder coat finish of selected color is electrostatically applied and baked at appropriate temperatures. Finish must withstand ASTM Impact Resistance test, Conical Mandrel Bend test, and other rigid powder coat paint specifications. For more complete information, please refer to our Paint Application/Paint Film Performance General Specifications.

COLOR: Color to be selected from manufacturer's standard colors, but not necessarily limited thereto. Indicate additional cost for special match color.

WARRANTY:

Manufacturer shall extend the original purchaser from the date of purchase a five-year limited warranty against manufacturing defects in material and workmanship.

EASY-TRAK™ MOBILE SYSTEMS

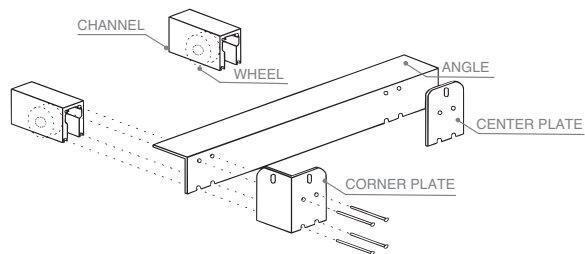
BASIC DESIGN

Easy-Trak mobile systems utilize carriages and track, installed directly on most floor surfaces, to provide high density filing and storage. Easy-Trak systems are available in Lateral Movable and Compacting modes. Lateral Movable configurations are: +Systems, a static row with a row of movable units in front; and ++Systems, a static row with two rows of movable units in front. The maximum size for either Lateral Movable configuration is 6+5 or ++5, which is a row of six (6) stationary units with one or two rows of five (5) movable units in front. Compacting systems are available in Manual and RDS (Responsive Drive Mechanical-Assist) configurations. The maximum length for Manual carriages is 6' long and 15' long for RDS Mechanical-Assist carriages. Any one Compacting system should not exceed six letter size (24" deep) or five legal size (30" deep) carriages. When larger systems, or more carriages are required, use multiple systems separated by static units.

LATERAL MOVABLE/ MANUAL COMPACTING CARRIAGE:

The carriage shall be pre-assembled unitized construction of anodized 6063-T5 angles 2.0" x 2.0" black powder coated steel corner and side plates and rubber bump cushions joined by four self-tapping 10-32 x 1-1/2" screws to anodized 6063-T5 aluminum channels 1.875" x 1.188", with channel screw embossments incorporated.

Carriage wheels shall be permanently greased and sealed ball bearing case-hardened steel races with Rockwell hardness of 57-58 on the C-scale to match the track running surface. Wheels shall be mounted on oilite bushings over precision machined steel axles with 3/16" sideways movement possible. Each channel length shall house two or more wheels which are to be positioned under each shelving upright. Carriages for 42" and 48" wide Lateral Movable systems shall have an additional set of center wheels incorporated. Wheels shall be 1-1/2" diameter and have a minimum rated capacity of 800 lbs. per wheel. The assembled carriage shall be the storage unit/run dimensions plus 3/8" (1/8" each side + 1/8") and have a capacity of 3,000 lbs. per foot.



RDS MECHANICAL-ASSIST COMPACTING CARRIAGE:

The carriage shall be pre-assembled unitized construction of anodized 6063-T5 3.37" x 2" aluminum angles, black powder coated steel corners and side plates and rubber bump cushions joined by four self-tapping 10-32 x 1-1/2" screws to anodized 6063-T5 5.22" x 1.86" aluminum channels with channel screw embossments incorporated. Carriage wheels shall be permanently greased and sealed ball bearing case-hardened steel races with Rockwell hardness of 57-58 on the C-scale to match the track running surface. Wheels shall be mounted on oilite bushings with 3/16" sideways movement possible over precision machined steel axles assembled to the carriage aluminum channels. Each channel length shall house two or more wheels which are to be positioned under each shelving upright. Wheels shall be 3-1/2" diameter and have a minimum rated capacity of 1,000 lbs. per wheel. The assembled carriage shall be the storage unit/run dimensions plus 3/8" (1/8" each side + 1/8") and have a capacity of 1,000 lbs. per foot, up to 10,000 lbs.

The drive box is to be constructed of 12 gauge galvanized steel and have a durable 1/8" thick ABS with haircell texture, black cover. All brackets and drive components shall be attached to the housing with steel rivets having a sheer strength of 800 poundseach. The upper crank/sprocket assembly and lower drive sprocket assembly shall be mounted on heavy duty bearings and shall be connected by a #41 drive chain with an average tensile strength of 2,700 pounds. Chain tension is to be maintained by use of a plastic idler which is attached to the housing of the drive assembly and is fully adjustable.

Ergonomic one-spoke handle is to be used to operate the 16:1 ratio chain and sprocket gear box to drive front, middle and end wheels via drive shaft. Each 360° turn of the handle will move the carriage approximately 4.5". Low-profile drive box and mechanical-assist handle with integral and positive safety carriage lock (parks the carriage in place) with visual indicator.

STANDARD TRACK: (for Lateral Moveable and Manual Compacting Systems):

The track system shall comply with ADA regulations for barrier-free access. Track housing shall be 3-1/2" wide x 2-7/8" high, 6063-T5 anodized aluminum for appearance and durability with a center V-groove containing permanently mounted, on a 45° angle, steel running surfaces. The running surfaces are to be case-hardened round edge blued steel with Rockwell hardness of 55-58 on C-scale.

The track housing shall have leveling "T" nuts and set screws press fitted into holes punched every six inches along either side of the running surface to provide 1/4" to 1/2" of vertical anti-drift leveling adjustment. Set screws shall be, when adjusted, raised or lowered against an aluminum underlayer which runs the entire length of the track. The standard underlayer for lateral systems is to be carpet grabber, with a no-charge option for a flat underlayer for hard floor surfaces. Flat underlayer is to be standard for compacting systems, with a no charge option for carpet underlayer.

The track housing shall have splice holes for steel roll pins provided along either side of the running surface to guarantee alignment at all track junctures.

On floor anchored systems, the track shall be attached to the floor at splices with 1.1/4" nail-ins, and track ends with 2-5/8" nail-ins. Heavy duty end stops are to be also held in place by the 2-5/8" nail-ins.

HEAVY-DUTY TRACK: (for Responsive Drive Systems (RDS) only):

The non-adjustable track housing shall be made of 6063-T5 aluminum, anodized for appearance and durability with hardened, spring steel running surfaces. Steel underlayer of CRS (reinforced steel) provides extra strength for point loads of 1,500 lbs., single wheel. The running surface inserted into the track is specified at Rockwell hardness of 57-58 on C-scale. Underlayer fits into aluminum base at track splices to provide perfect alignment. Track underlayer bridges small irregularities in floors eliminating the need for "T" nut height adjustments. Heavy-duty track is attached at splices with 1-1/4" nail-ins, and track ends with 2-5/8" nail-ins. Steel underlayer will be 2-3/4" extended to slide under the connecting track (3" short both ends; can add either end). No roll pins to be used for joints. Heavy-duty end stops are also held in place by the 2-5/8" nail-ins. The low profile track (7/16" high; 3-1/2" wide) shall meet all ADA regulations.

END STOPS:

HEAVY-DUTY END STOPS shall be 2-3/4" long and shall use two 2-5/8" nail-ins to prevent carriages from knocking end stops out of place. Heavy-Duty end stops shall be standard on all Compacting Systems.

HIGH PROFILE END STOPS shall use one 2" nail-in to anchor end stop. Available by request only for all Responsive Drive Systems.

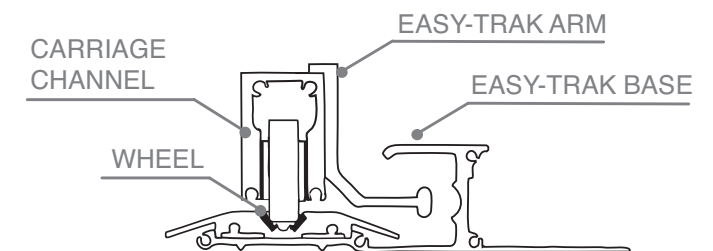
LOW PROFILE END STOP shall use one 2" nail-in to anchor end stop. Available on Lateral Movable systems only.

ANTI-TIP SYSTEM:

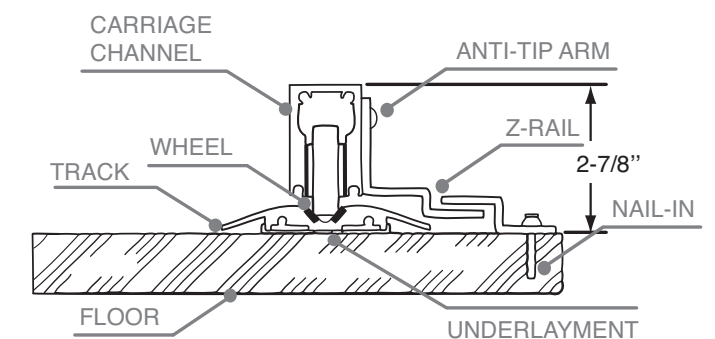
Floor level anti-tip shall be standard on Lateral Movable systems, and optional on Compacting systems. The anti-tip arms are to be pre-fastened to the carriage and ride under the anti-tip rail that runs the length of the track.

Anti-tip systems shall meet all seismic requirements for safety and durability.

LATERAL MOVABLE ANTI-TIP



LATERAL MOVABLE and COMPACTING ANTI-TIP



Anti-tip for Lateral Movable and Compacting systems must be floor anchored. The Lateral Movable system anti-tip is built-in and does not require floor anchoring.

COLOR:

The carriage and track systems shall be anodized silver aluminum with black trim.

Why Borroughs?

Because we know how important your storage system is to you and your organization. That's why we produce Office Storage Solutions. Our shelving is value-engineered to provide strength, durability, flexibility and cost effective storage solutions. Shelving that will maximize your space utilization and needs today and tomorrow.

But Borroughs is more than shelving. During our 70+ years, we've also earned a reputation for outstanding service and responsive on-time delivery that we continue to work hard to maintain. Plus, Borroughs people are experienced and knowledgeable in storage planning and design. They have ideas and solutions to help your shelving system to continue to contribute to the efficiency of your company as it grows and changes.

You can count on the combination of Borroughs people and products to create the perfect storage solutions for all your needs.



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