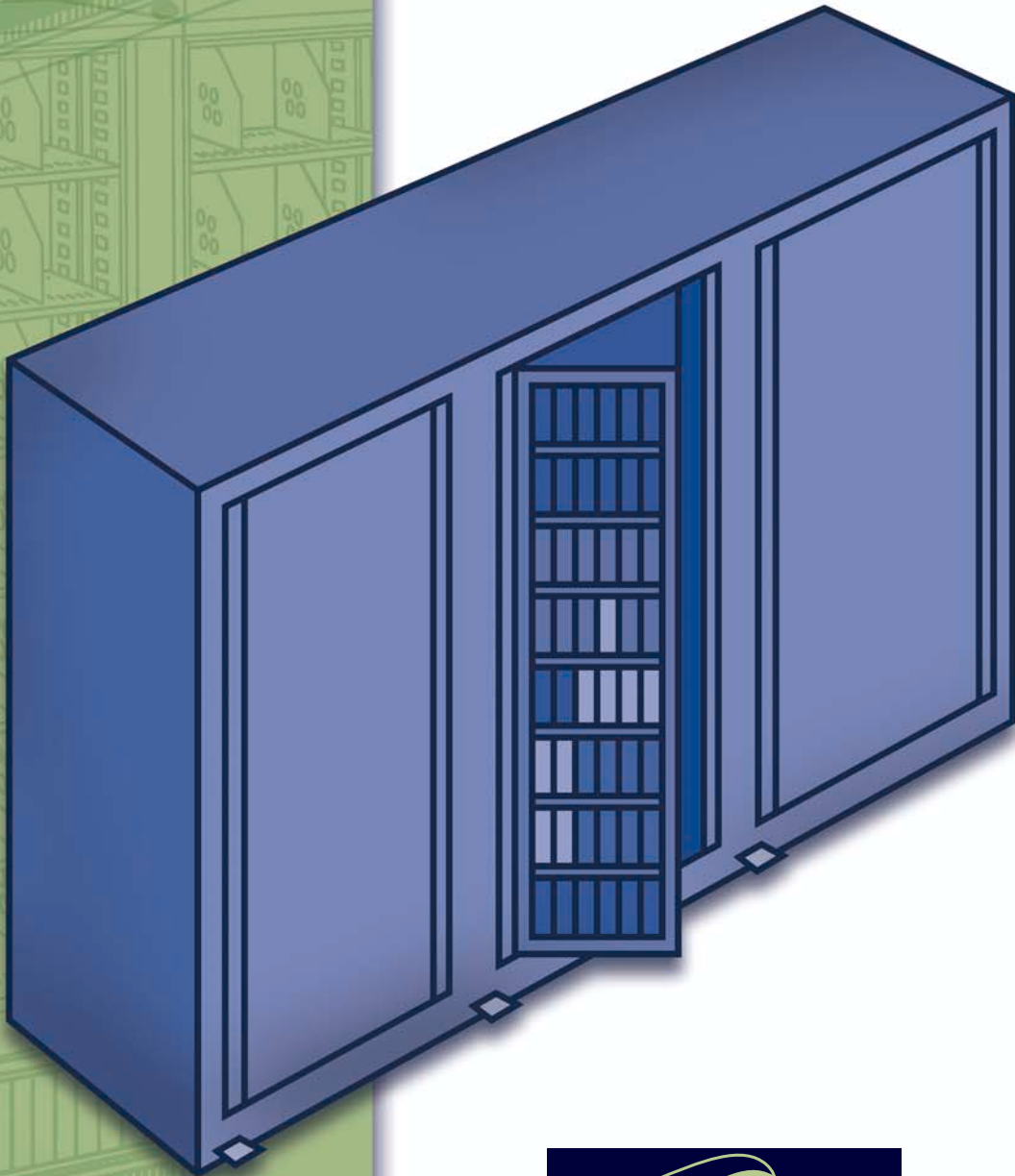


CED 1R09

Times-2

SPEED FILES®



AURORA™

AURORA from RICHARDS-WILCOX, INC.
600 South Lake Street • Aurora, Illinois 60506
Phone: 630-897-6951 • Fax: 630-897-6994
Toll Free: 800-277-1699 • www.timestwo.com

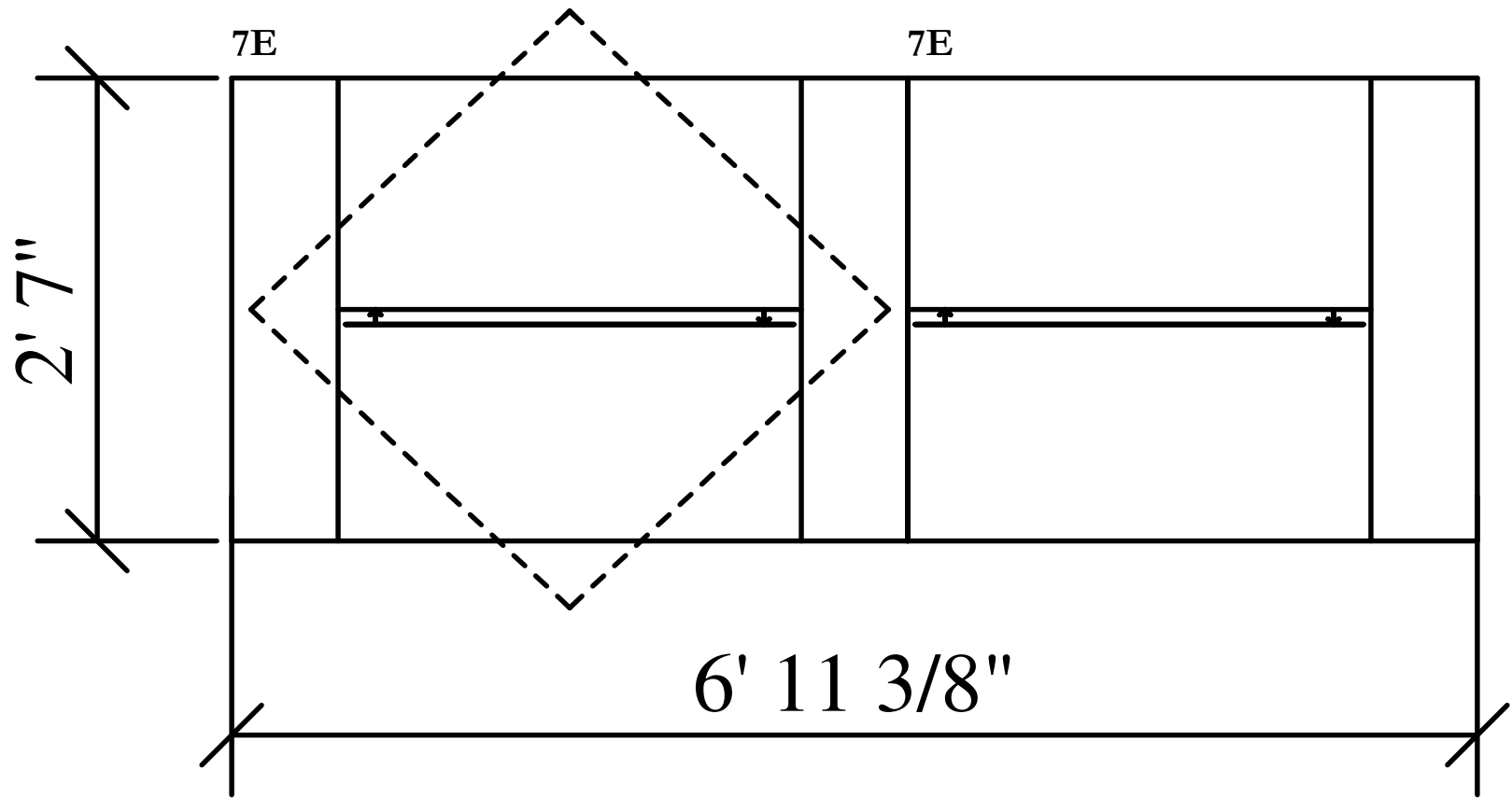
ACCESSORY GUIDE

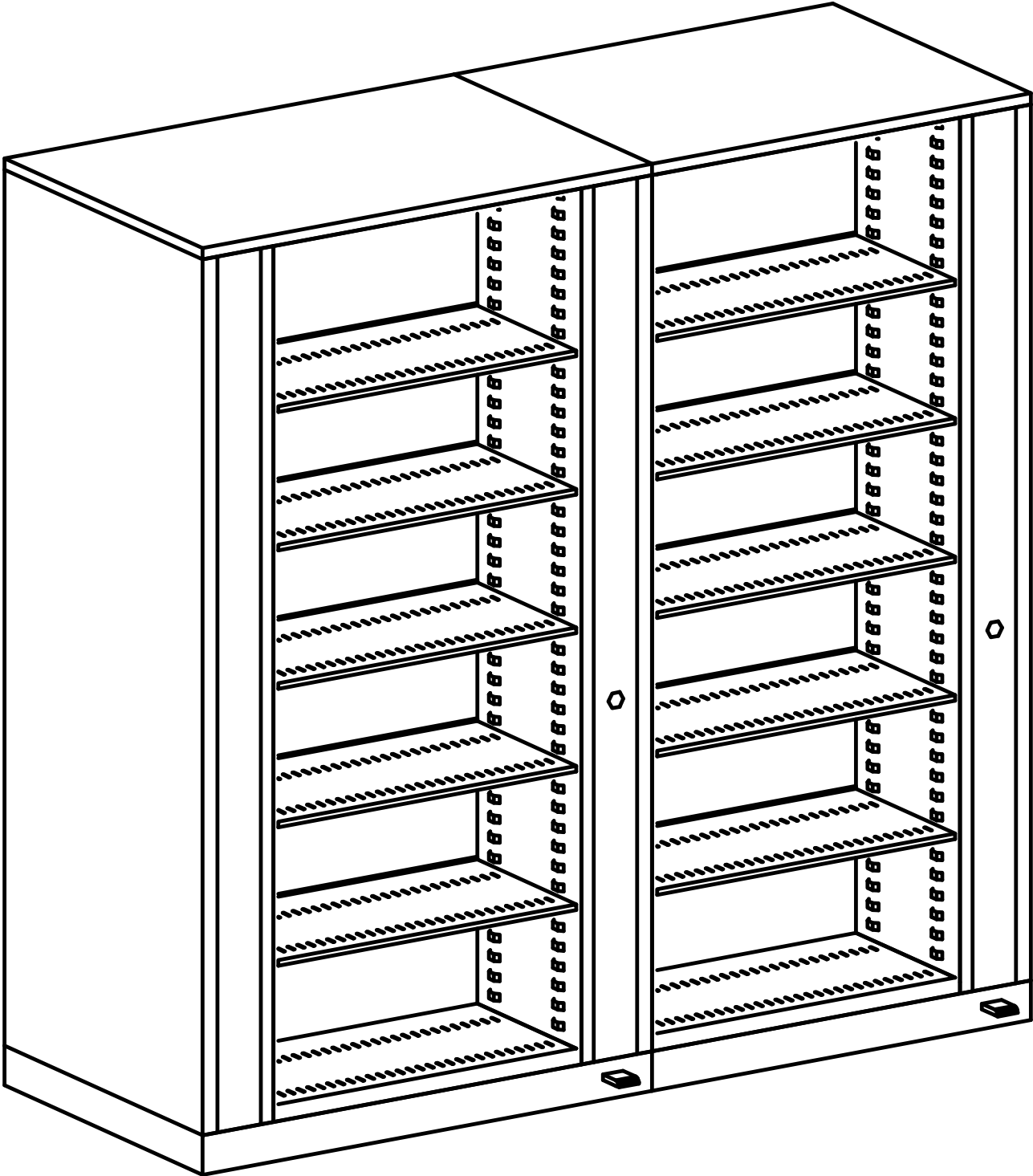
SPACE PLANNING

SPECIFICATIONS

Damaged Merchandise Unit

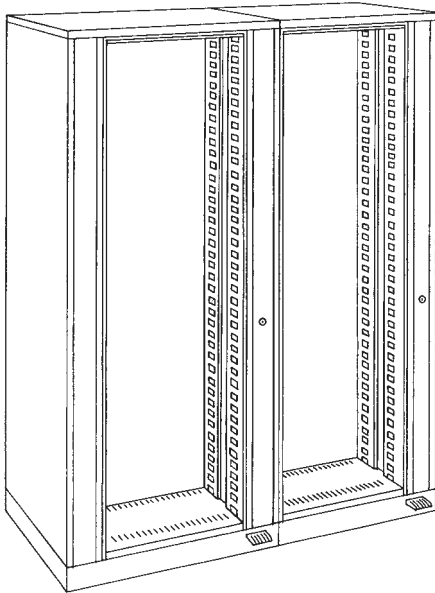
Height is 82"





Times-2 Speed Files can be ordered without Adjustable, Reversible Shelves, Dividers, or Rollout Frames. These units can be specified by adding the suffix “E” to any model number. This “Empty” designation allows for the more experienced space planner or facilities manager to customize the interior for unique multimedia requirements.

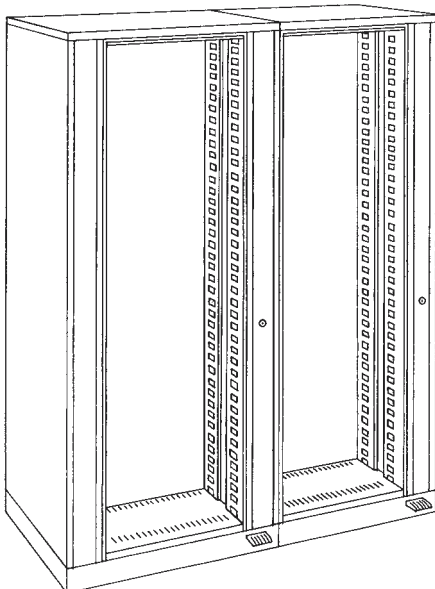
Shown below is (1) 171SE Starter Unit Empty and (1) 171AE Add-on Unit Empty. As with all Times-2 Speed Files, Starter Units may be used as stand alone cabinets and the number of Add-on Units is only limited by the available floor space.



- Empty Units Feature:**
- Same rugged construction as Standard Units without shelves or dividers. Custom design the interior to meet your multimedia requirements!
 - Positive Position Control
 - Cylinder Lock
 - Accessories are adjustable on 1 $\frac{3}{4}$ " increments without tools.
 - Color coordinated, two-ply vinyl door strip mounted on reverse beveled post
 - Times-2 Lifetime Warranty
 - 26 Standard Gloss-Tek Powder Coat Finishes
 - Compatible with all Times-2 Speed Files accessories.

Plus-Size Empty Units

Times-2 Plus-Size Units at the 5-, 6-, and 7-Tier height increase slightly in height to accommodate applications outside of the range of a regular unit. The extra louver space can be used for a Rollout Reference Shelf or to create any configuration that is needed.

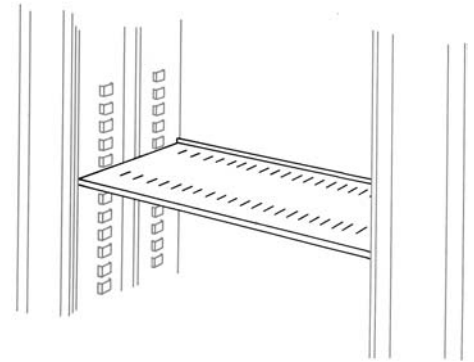


	TIMES-2 PLUS-SIZE		
	Extra Louvers	Total Louvers	Total Height
5-Tier	3	34	66 $\frac{1}{8}$ "
6-Tier	3	40	76 $\frac{5}{8}$ "
7-Tier	4	47	89"

Adjustable Reversible Shelf

#901 Letter-Size, #902 Legal/EDP/A4-Size

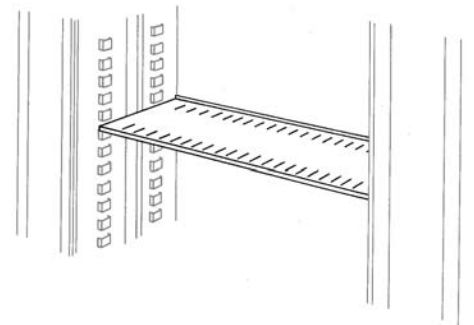
The Adjustable, Reversible Shelf is supplied with all standard or preconfigured Times-2 Speed Files. The shelf is slotted every 1" to accept any of the various sized Times-2 dividers. The shelf is also reversible. When placed with the "no lip" side forward, color coded or end tab folders can be filed or retrieved with great ease. If placed with ¼" high lip forward, then items such as fiche trays, boxes, or mailroom inserts can be stored with confidence. The color of the shelf matches the color of the unit.



Recessed Shelf

#901R Letter-Size, #902R Legal/EDP/A4-Size

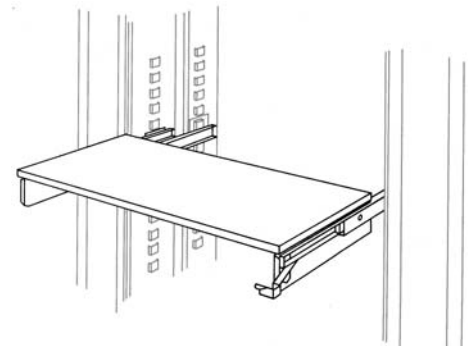
The Recessed Shelf offers specific advantages over the Adjustable, Reversible Shelf in several applications. The Recessed Shelf creates cantilever-style storage to improve the visibility of documents in the lower tiers. Three-ring binders are stored more efficiently on this shelf. The most popular application for the recessed shelf is placing Letter-Size documents in a Legal/EDP/A4-Size Times-2 Speed File. The Recessed Shelf is slotted every 1" to accept all standard Times-2 dividers. The color of the shelf matches the color of the unit.



Rollout Reference Shelf

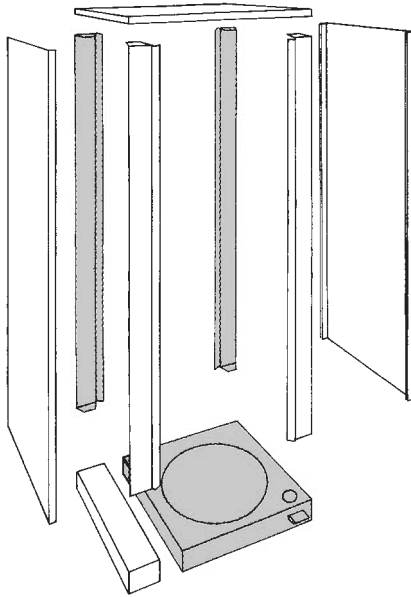
#548 Letter-Size, #549 Legal/EDP/A4-Size

The Rollout Reference Shelf is the most popular Times-2 Speed File accessory. The Reference Shelf provides the perfect "at the task" work surface to make storage and retrieval more productive and efficient. All 4-, 5-, 6-, 7-, and 8-Tier units and Plus-Size 5-, 6-, and 7-Tier units are designed to accept the Reference Shelf without sacrificing any storage capacity when Adjustable, Reversible Shelves are specified. When coordinating the interior of Times-2, remember that when used with our Rollout Drawer with Hanging Folder Frame, the Reference Shelf will require 3 louvers (or 4¾" in total height). The Rollout Reference Shelf is constructed of laminated particle board in champagne color.



Conversion Kits

All Add-on Units can be converted into Starter Units with the addition of a simple Conversion Kit. The Conversion Kit includes all the necessary parts and hardware.



Conversion Kits Include:

- Starter Canopy Top
- (2) Posts with vinyl door strips
- (2) End Panels
- Base Filler

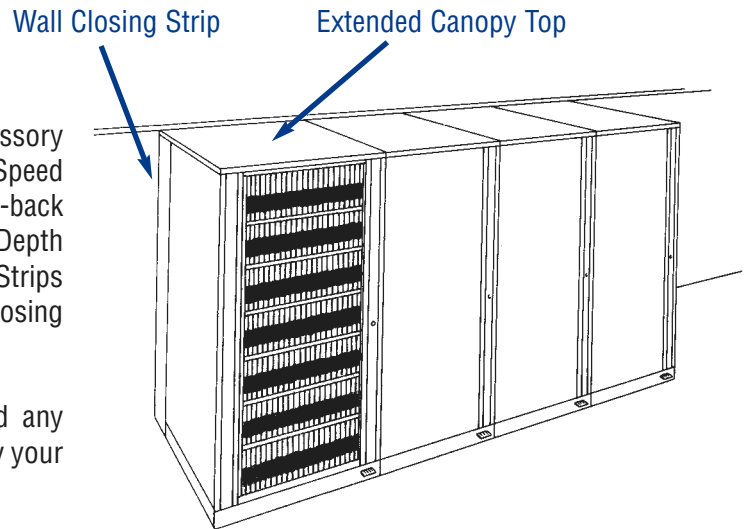
Conversion Kits: Creating Starter Units from Existing Add-On Units

Height	Letter Size	Legal/EDP/A4
3-Tier	13CK	23CK
4-Tier	141CK	241CK
5-Tier	15CK	25CK
6-Tier	16CK	26CK
7-Tier	17CK	27CK
8-Tier	18CK	28CK

Closing Strips & Extended Canopy Tops

Sometimes referred to as "Wall Closing Strips" this accessory is used to cover the rotation space between your Times-2 Speed File and a wall, panel, or another Times-2 unit in a back-to-back layout. Three styles of Closing Strips are available: Single-Depth Closing Strips, Double-Depth Closing Strips, and Closing Strips for use with Extended Canopy Tops. The color of the Closing Strip matches the color of the unit.

Extended Canopy Tops cover the rotation space behind any Times-2. To order the Extended Canopy Top simply specify your choice in Letter or Legal/EDP/A4-Size.



Letter-Size Closing Strips

Letter Size	Single Depth #	Double Depth #
3-Tier	923	943
4-Tier	9241	9441
5-Tier	925	945
6-Tier	926	946
7-Tier	927	947
8-Tier	928	948

Legal-Size Closing Strips

Legal/EDP/A4-Size	Single Depth #	Double Depth #
3-Tier	933	953
4-Tier	9341	9541
5-Tier	935	955
6-Tier	936	956
7-Tier	937	957
8-Tier	938	958

Extended Canopy Tops

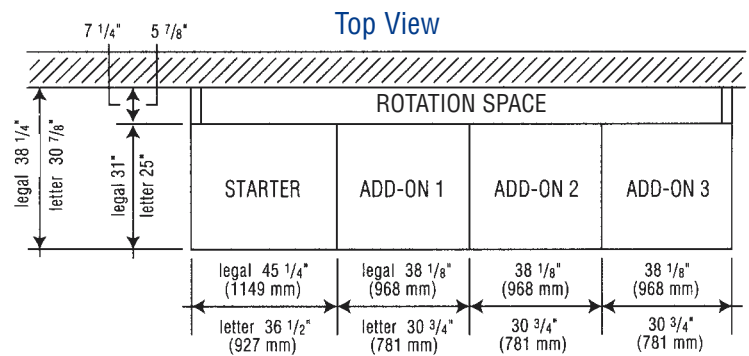
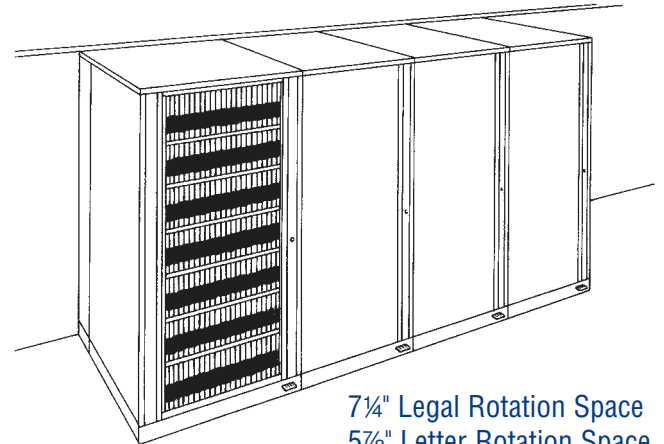
	Letter Size	Legal Size
Starter	1096	1086
Add-on	1098	1088

Closing strips for extended canopy tops can be ordered by using the same part numbers in the closing strip charts above. Simply preface the number with a "1".

Next-To-Wall or Panel

Capacity Application

Times-2, positioned next to traditionally-framed walls or open-office furniture systems, increases both capacity and access to stored information. Capacity will increase from a minimum of 40% to a maximum of 200% growth. Faster retrieval times are standard with Times-2. Half of all documents are immediately available to the operator. The other half, a gentle rotation away. To allow for full rotation of Times-2, a rotation space must be designed into each floorplan. The rotation space can be concealed with the addition of a wall closing strip. Rotation space along top can be concealed with the addition of an extended canopy top (as shown in the drawing).

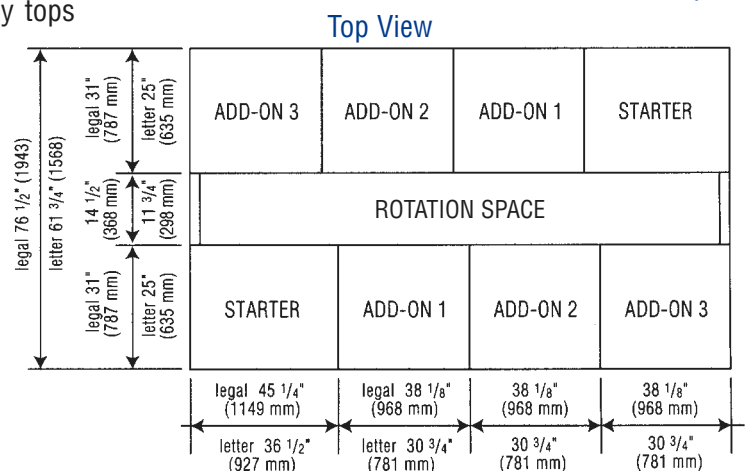
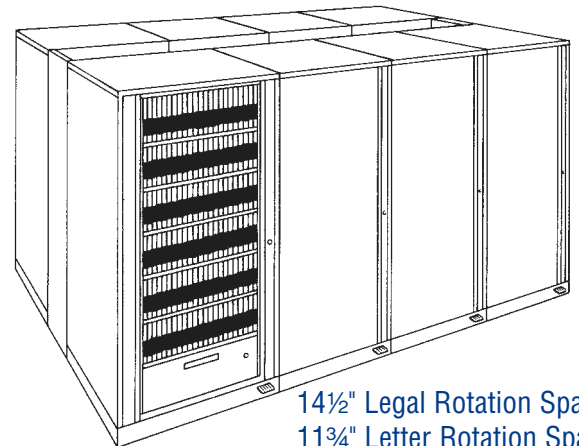


Back-To-Back

Capacity Application

Tier per tier, Times-2, when placed in a back-to-back configuration, delivers the maximum possible storage capacity in the defined floor space. The secret is the elimination of entire aisles—yet access is never compromised. Half of the stored material is still available for immediate retrieval, and the other half remains a gentle rotation away.

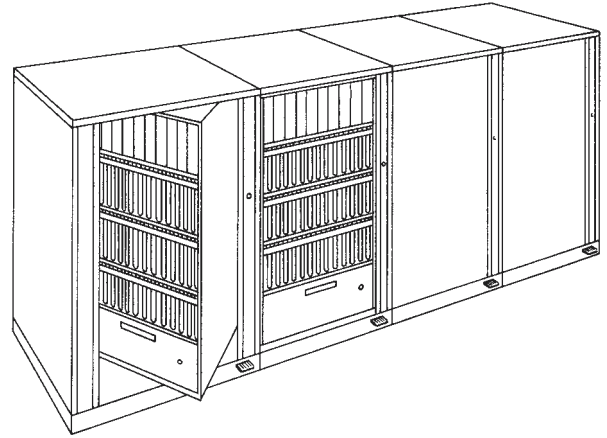
The rotation space between back-to-back units may be planned as either single or double-depth. Appropriately sized wall closing strips are available for each dimension. Extended canopy tops are also available to conceal the rotation space from above. In shorter heights, custom wood tops are also an attractive option.



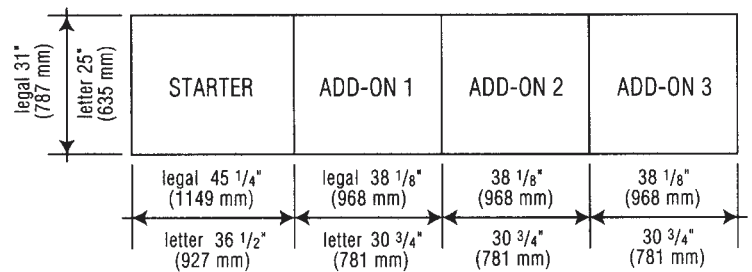
Room Divider

Access Application

In addition to filing and storage capacity gains, Times-2 delivers cost reduction and productivity benefits. When used as a room divider, Times-2 defines departmental space, eliminates the cost of construction or furniture panels, and still provides increased access to all stored materials. The dual foot pedal option must be specified in this application. The double-depth design of Times-2 means that both sides of the unit are accessible simultaneously when used as a room divider. When closed, access is denied to both sides.



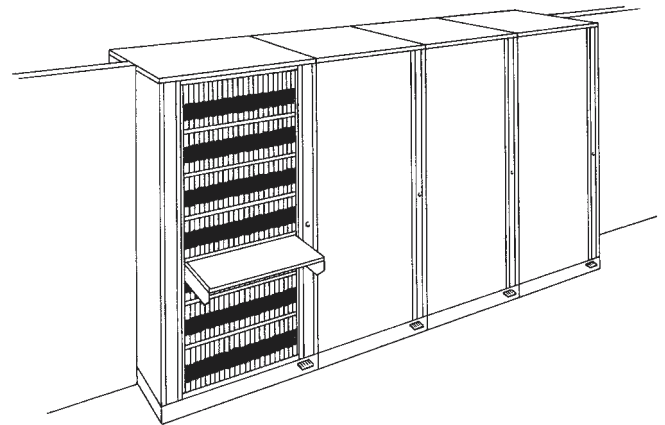
Top View



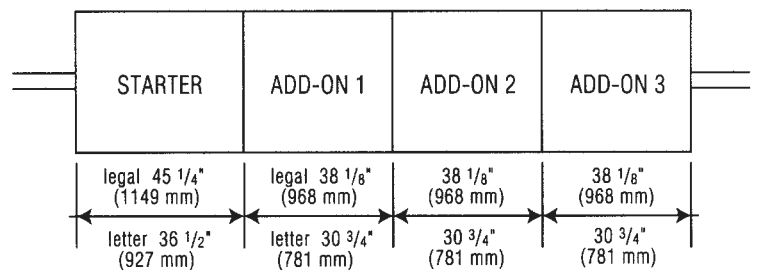
Through-the-Wall or Panel

Access Application

Imagine having access to stored documents in another room without leaving the room you occupy. Times-2 Speed Files, when installed through a wall or furniture system, can do just that. With a gentle push, the rotating interior turns and delivers the documents from the other side. Times-2 is the filing system to specify when two offices must share information. When installed through a wall, between 10 to 13 inches of the Times-2 projects into each room (depending on whether Letter-size or Legal/EDP/A4-size units are used.) A dual pedal option must be specified when dual access is required.



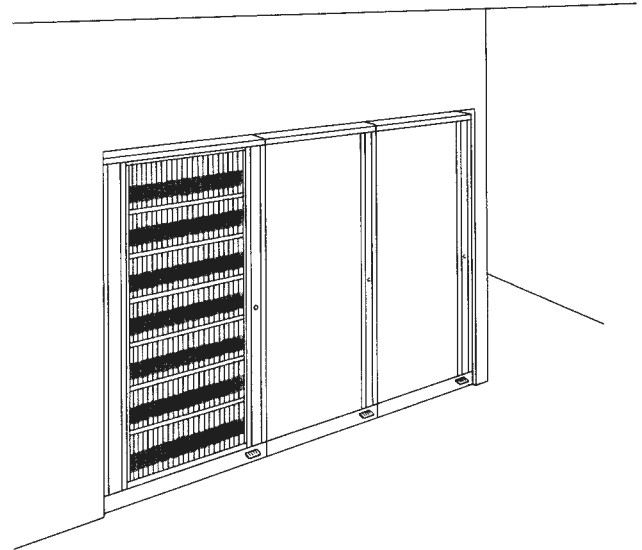
Top View



Built-In Alcove

Productivity Application

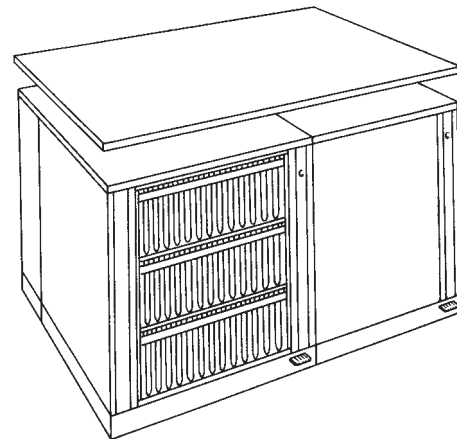
Floor plans are made more productive when high-capacity Times-2 units are built into an alcove. The alcove can be constructed of traditional dry wall materials, or in open office space plans the alcove can be created with modular partitions. This application allows the architect or engineer the freedom to position Times-2 directly over structural beams or between columns and still allow the designer to integrate high density and fast retrieval storage into any demanding environment. With custom finishes or decorative laminate door options, Times-2 can match any surrounding décor.



Work Top Unit

Productivity Application

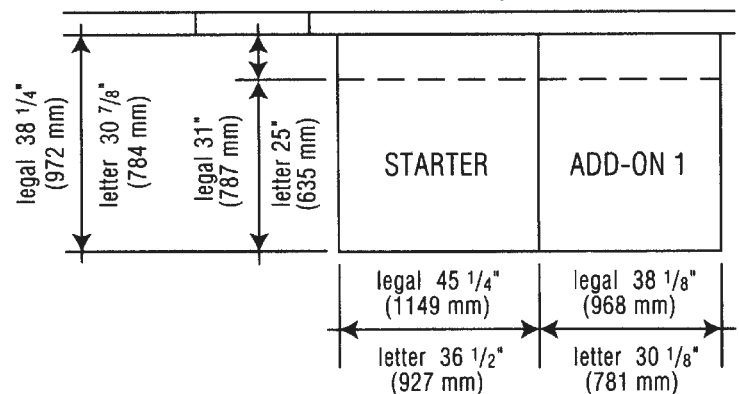
Laminated work tops, mounted to 3-, 4-, and in some cases 5-Tier Times-2 Speed Files, provide essential work surfaces for a variety of sorting, collating, and paper flow purposes. Times-2 offers laminated work tops (particle board core) for single and multiple unit configurations. Times-2 will also supply all needed dimensions for your custom millwork for executive solid wood requirements, wood veneered, or artificial surface work tops. Specify if wood top should cover rotation space or be finished on all four sides.



Top View (shown with optional closed back)

7¼" Legal Rotation Space

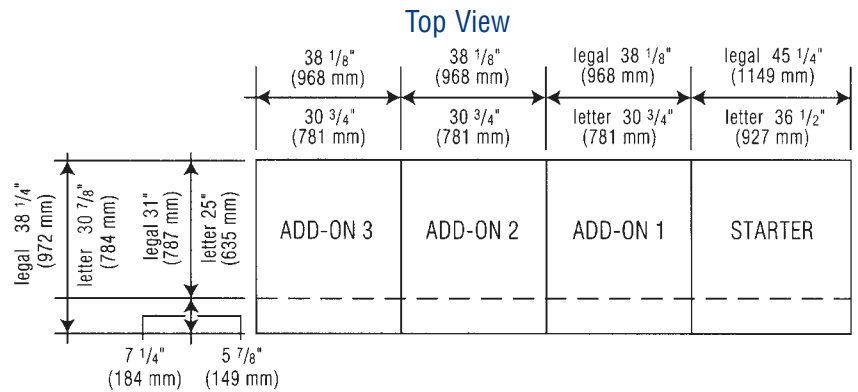
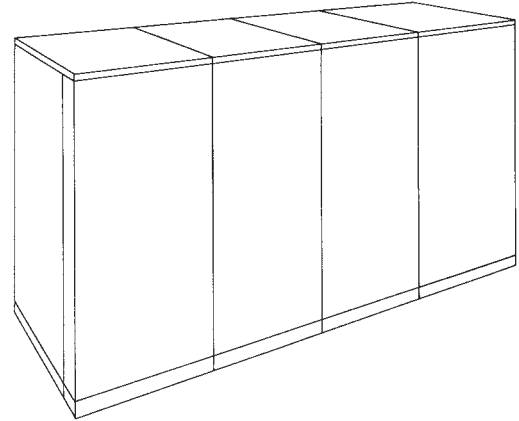
5⅞" Letter Rotation Space



Closed-Back Units

Security Application

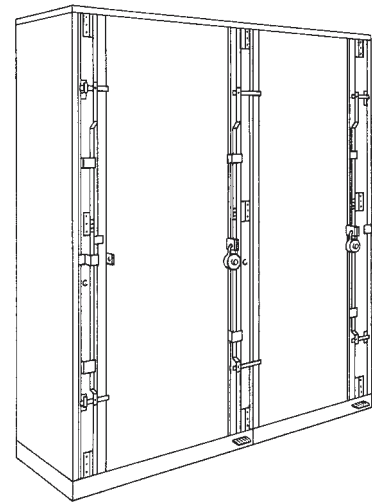
Times-2 Speed Files can be specified with closed backs for security purposes when single-sided access is required. Closed backs can be covered by fabric panels to integrate the units into any office décor. Existing units can be retrofitted with closed backs as well. Closed backs are priced as an option to Starter and Add-on units. Closed backs are available in all heights and sizes including Plus-Size units.



Astragals

Security Application

When sensitive materials require extraordinary measures, the Times-2 Astragal offers our highest level of protection. In this application, the standard Times-2 post is replaced with an Astragal, or locking post. Hinged, heavy-duty steel strips swing over the space between the Times-2 door and post to securely lock the unit. The lock is user-supplied. Astragals are available for new and existing Times-2 Speed Files. Consult your authorized Times-2 Speed Files dealer or Richards-Wilcox about this security option.





TIMES-2 SPEED FILES®

SPECIFICATION GUIDE

Product Specifications

Times-2 Speed Files Dimensions

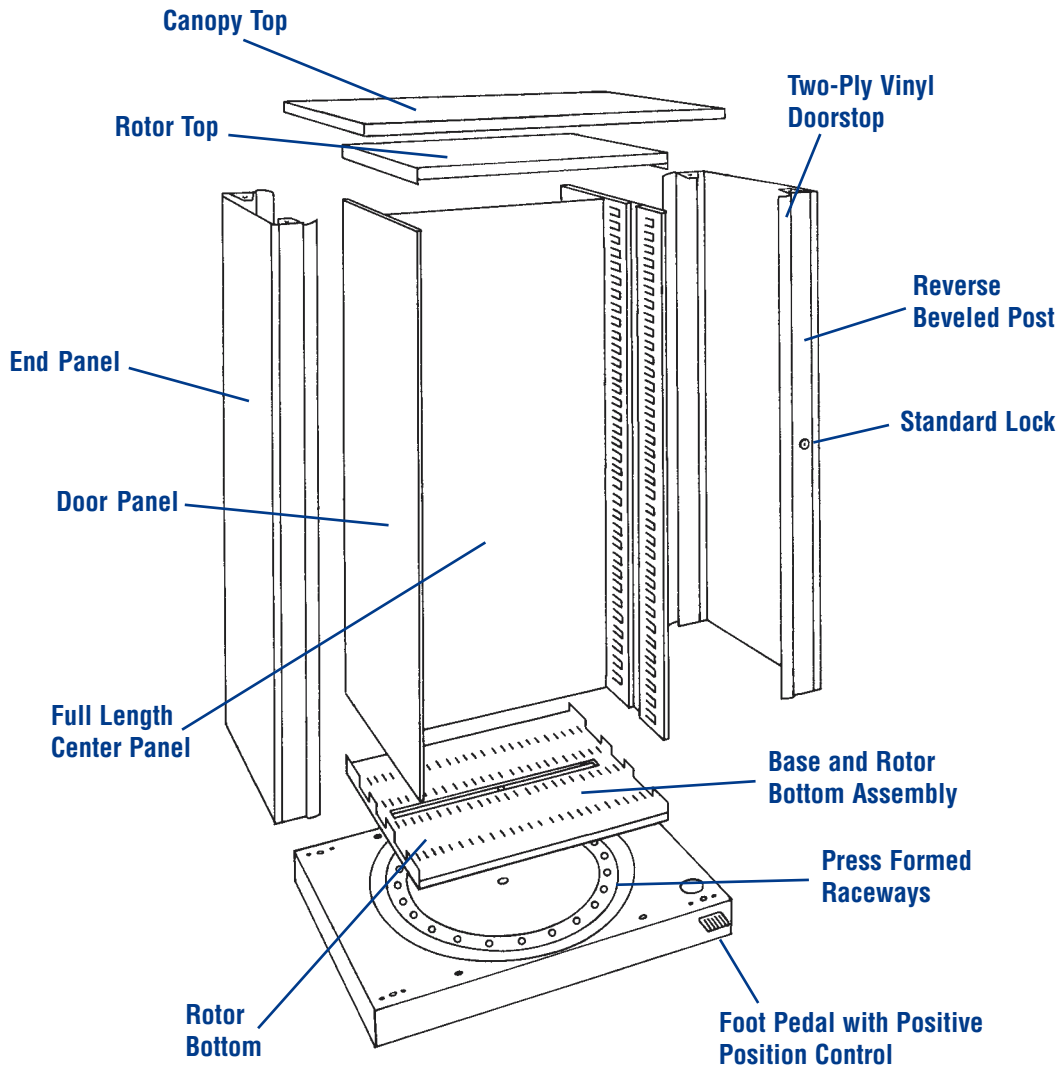
SPECIFICATIONS

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Manufacturer

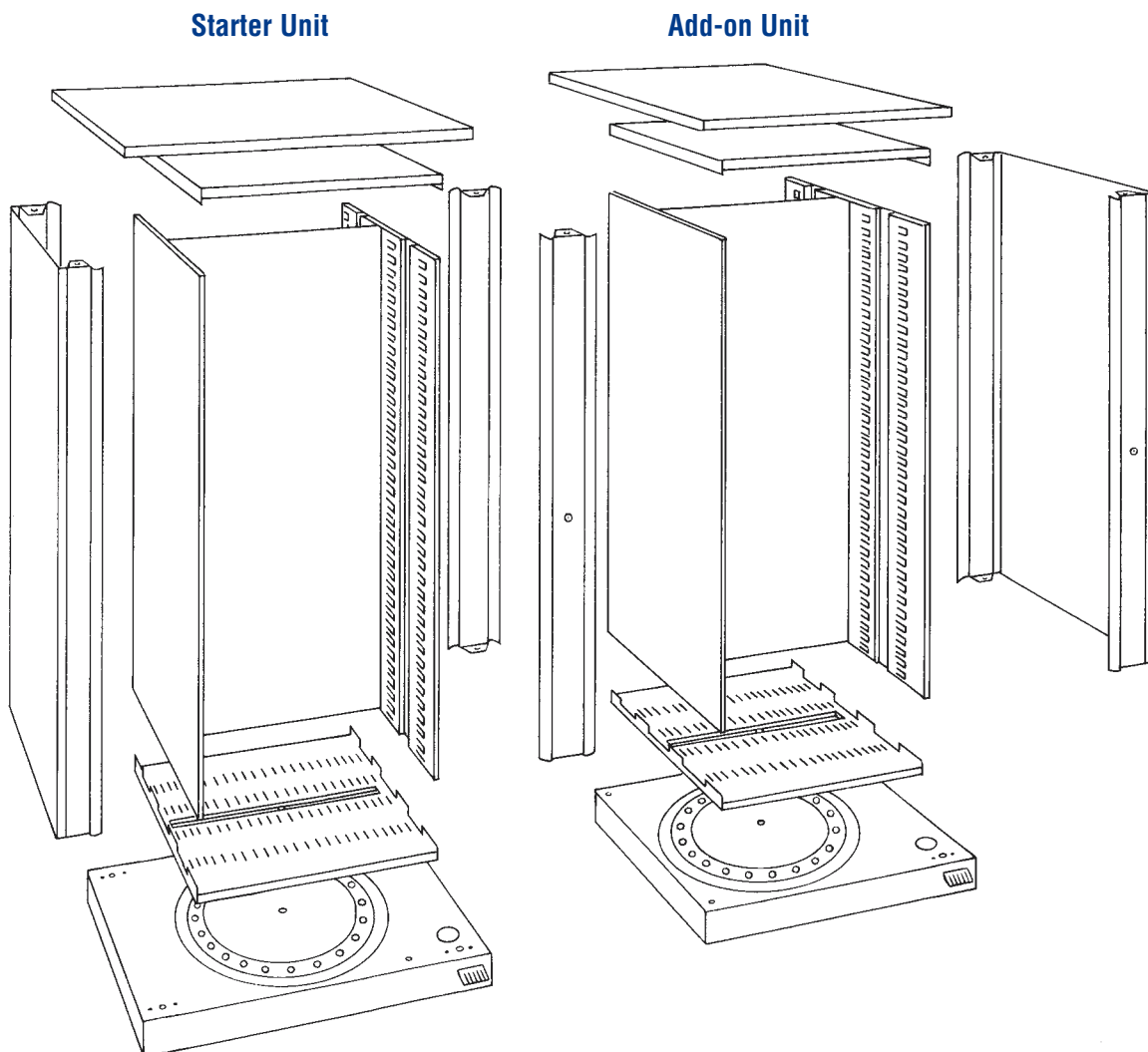
System shall be a High Density, Multimedia Rotary Filing System manufactured by Richards-Wilcox, Inc., Aurora, Illinois, and known as Times-2 Speed Files®. No other manufacturers' product shall be accepted as an equal.



Product Specification

Components

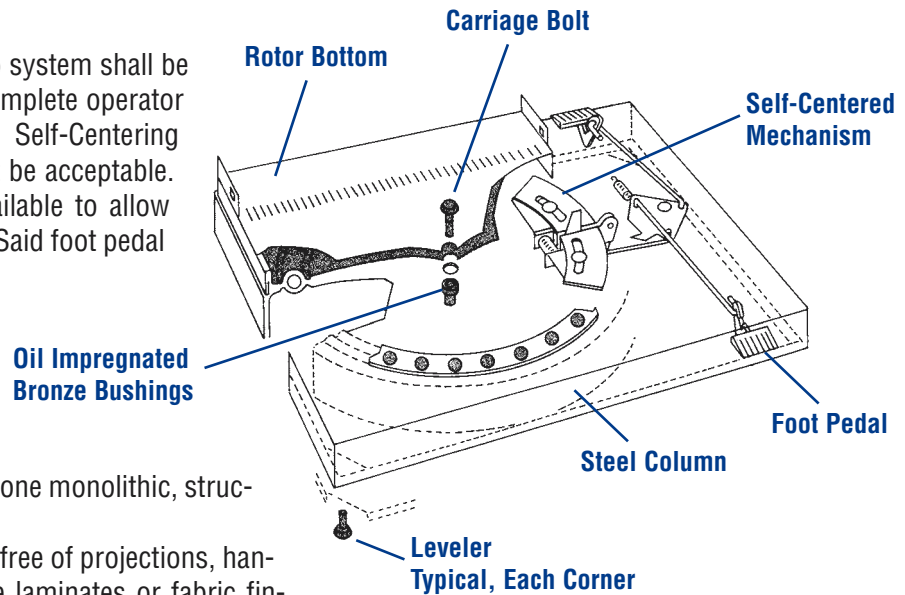
1. Base and Rotor Bottom Assembly shall be constructed of 12 GA or greater Drawing Quality Cold Rolled Steel. Said Base and Rotor Bottom shall be connected with a minimum ½" diameter carriage bolt. A locknut shall secure assembly and an oil impregnated bronze bushing will provide permanent lubrication to carriage bolt rotation. Press-formed raceways in both Base and Rotor Bottom shall capture ball bearings and protect rotating components from excessive or unusual wear, burnishment and fatigue. All ball bearings shall be a minimum of 5/8" diameter, fabricated from high carbon steel and maintained at equal spacing with a flanged ball cage. Letter-size units shall use a minimum of 22 ball bearings; Legal/EDP-size shall require a minimum of 44 ball bearings. Raceways and ball bearings shall be dynamically and permanently lubricated. Diameter of raceways shall be minimum 22" for letter-size and 28" for Legal/EDP-Size Units. Smaller diameter raceways shall not be acceptable due to their inability to provide stability of unit during unbalanced loading and/or rotation. No heat (welds) shall be applied to rotation surfaces of the Base and Rotor Bottom. Springs included in Base Design shall be capable of stopping a fully loaded unit without requiring tension adjustment at any time. Operator assistance shall not be required to stop or relocate the interior rotating cabinet.



Product Specification

2. Rotor Bottom shall have functional storage shelf integrated into its design. Four independently adjustable leveler glides shall be provided to allow for proper leveling of units. Any anchoring required by State, Local and National Codes shall be accomplished by securing cabinets to the floor with manufacturer provided anchoring system. Wall anchoring shall not be acceptable. Separate bases shall be available for Starter and Add-on units and such bases shall be secured to each other to eliminate racking of units during rotation. Further, the addition of units shall be possible on either the right or left sides.

3. A Positive Position Control (Foot Pedal) system shall be utilized with each cabinet, delivering complete operator control of Spring-Loaded, Automatic Self-Centering Mechanism. A detent system shall not be acceptable. A Dual Foot Pedal option shall be available to allow access to the cabinet from both sides. Said foot pedal shall be one-piece cast aluminum designed to prevent pedal failure as well as slippage of operator's foot during operation.



4. Doors, Center Panel and Rotor Top shall connect and lock together to form one monolithic, structurally sound cabinet.

- Doors shall consist of an outer door free of projections, handles, bevels, allowing for decorative laminates or fabric finishes. Inner Door shall be slotted (louvers) in 1¾" increments to allow for the acceptance of accessories required to store various media. Outer and Inner Door shall be welded together.
- Center Panel shall be triple-flanged to meet the Inner Doors and Rotor Bottom. The Door to Center Panel connection will be made with fasteners at the Inner Door and Rotor Bottom. Length of fastener shall be engineered as such to not emboss or perforate Outer Door during installation. Said fasteners shall be spaced 5½" on center.
- Rotor Top shall snap and lock into place with no visible fasteners. Rotor Top shall include an oil-impregnated bronze bushing allowing permanent stabilization and lubrication of cabinet.

5. Reverse Beveled Posts, Vinyl Door Strips and Standard Locks shall complement the appearance of the unit and be integrated into the unit. Vinyl Door Strips shall integrate into Posts without the use of fasteners and be available in matching and/or complementary colors. Posts shall function for either Starter or Add-on units. Locks shall be standard, keyed alike or different. Locks shall be upgradeable (at additional cost) to touch pad, badge swipe (with or without logging system) and other state-of-the-art security applications. Further, lock must be able to establish and maintain "free spin" position of Base and Rotor Bottom (ADA Compliance).

6. End panels shall attach to either Starter or Add-on Unit as may be required by configuration of units.

7. Canopy Top shall fasten securely to posts with bolt and/or project engineered fastener. Further, Canopy Tops must fasten to each other, when applicable, using appropriate fasteners. Fasteners shall be designed to eliminate movement of post during rotation of cabinet.

Product Specification

Fit and Finish

Painted surfaces shall be furniture quality epoxy-polyester hybrid powder coat finishes free of all volatile cure-reaction products. No air-dry paint of any type will be utilized. All vertical and horizontal seams shall meet highest fabrication standards and only highest quality steel shall be used in the fabrication of the cabinet and its components.

Accessories

There shall be an extensive offering of accessories available including, but not limited to the following:

Wall Closing Strips, Extended Canopy Tops, Closed Backs, High-Security Astragals, Rollout Reference Shelves, Rollout Hanging Folder Frames, Top Tab Rollout Drawers, Rollout CD/DVD/Microfiche/Film Drawers, Card Drawers, Adjustable Reversible Shelves, Recessed Shelves, Various Size Dividers and Magnetic Followers, Dual-Pedal Kits, Conversion Kits, Specialty Racks. (Shelf spacing shall be user-adjustable without the use of tools). Manufacturer shall be capable of creating new accessories reflecting storage requirements of user. Each accessory shall utilize four-point support to securely attach to rotating interior cabinet.

Materials

All steel used in the fabrication of the aforementioned Rotary Filing Systems shall meet ASTM A620 standards for all Cold-Rolled Drawing Quality Steel required in base components and ASTM A366 standards for all other steel parts. The following minimum steel grades (gauge) shall be utilized for the respective application:

Base and Rotor Bottom	12 GA
Base Cover	16 GA
Fixed Bottom Shelf	18 GA
Shelf Dividers	20 GA

Warranty

Manufacturer's Warranty shall include a minimum Limited Lifetime Warranty on the empty unit. For the balance of the equipment components, a warranty of seven (7) years applies. Lifetime shall be defined as "the length of time of ownership by the original purchaser."

Qualifications

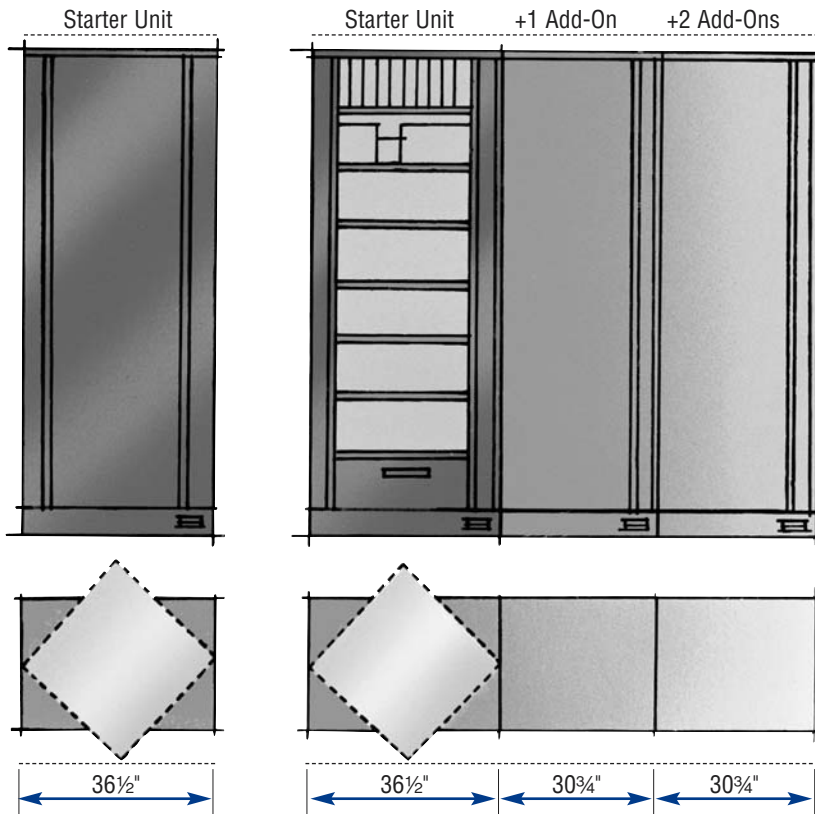
Manufacturer must demonstrate participation in a minimum of five projects of similar size and scope within the past year. Further, manufacturer must document installations of projects of similar size and scope within the past five years. Manufacturer shall also have a minimum of 10 years experience manufacturing Multimedia Rotary Filing Systems meeting the specifications hereto ascribed.

TIMES-2 SPEED FILES DIMENSIONS

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LETTER-SIZE

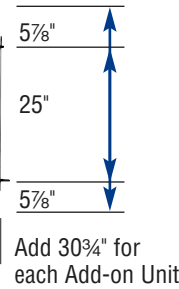


AVAILABLE IN 6 HEIGHTS

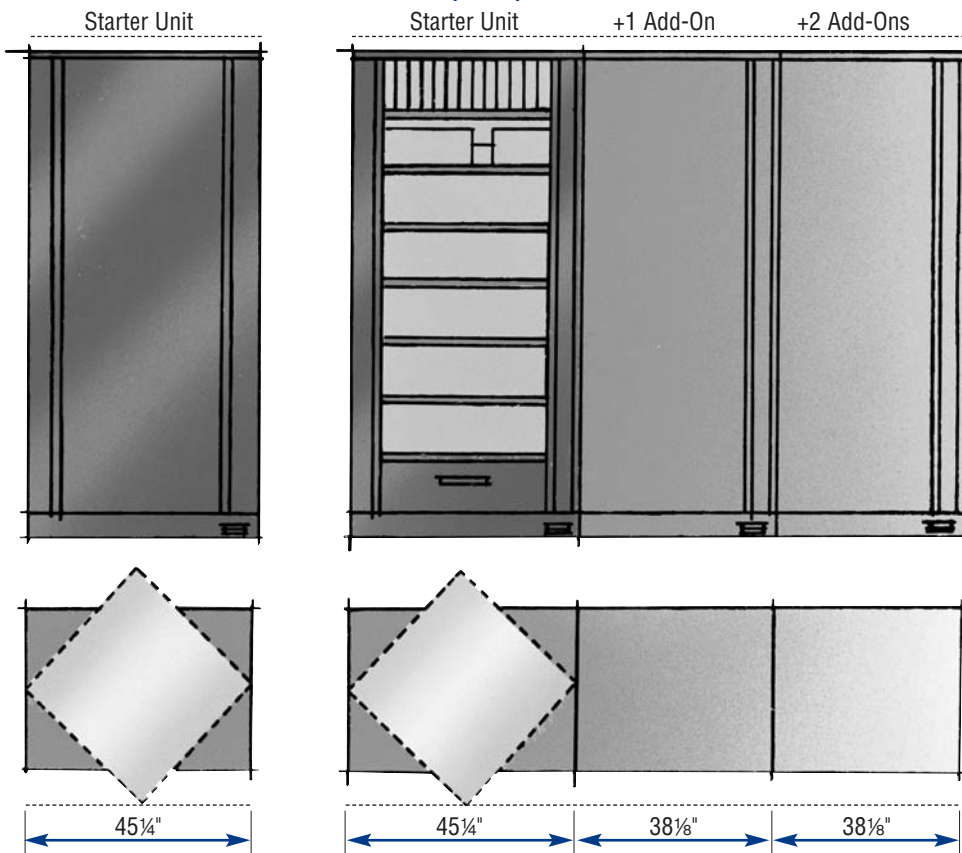
8-TIER	92½"
7-TIER	82"
6-TIER	71⅞"
5-TIER	60⅞"
4-TIER	50⅞"
3-TIER	41⅞"

PLUS-SIZE HEIGHTS

7-TIER	89"
6-TIER	76⅝"
5-TIER	66⅞"



LEGAL/EDP/A4-SIZE

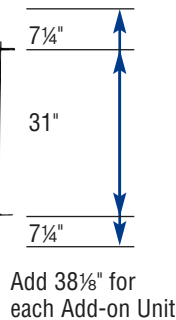


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