

DIVISION 12 - FURNISHINGS

**SECTION 125116 – METAL CASE GOODS (Multimedia Rotating Storage Unit)**

**SECTION 125119 - FILING CABINETS (Rotating Storage Unit)**

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawing and general provisions of the contract, including general and supplementary conditions and related specification sections, apply to this section.

1.2 SUMMARY

- A. This section includes the following:
  - 1. Multimedia Rotary Storage Unit
  - 2. Filing Media Rotary Storage Unit

1.3 REFERENCES

- A. American National Standards Institute (ANSI) Standards
- B. American Society for Testing and Materials (ASTM) Standards

1.4 DESCRIPTION

- A. General: Multimedia Rotary Storage Unit and Filing Media Rotary Storage Unit
- B. Finishes:
  - 1. Metal Components and Accessories: All components including accessories shall be finished with a powder coat paint finish.
- C. Sizes:
  - 1. Available in heights of: 3 tier 42 inches, 4 tier 51 inches, 5 tier 62 inches, 6 tier 72 inches, 7 tier 82 inches, and 8 tier 93 inches.
  - 2. Available in widths of 30-3/4 inches, 36-1/2 inches, 38-1/8 inches, 45-1/4 inches.
  - 3. Available in depths of 25 inches for letter size and 31 inches for legal size.
  - 4. Units shall be available in standard sizes and configurations to facilitate a wide variety of markets and accommodate various types of media including but not limited to; Letter, Legal, EDP, and A4 file folders.
  - 5. Units shall be available as Starter and Adder, to accommodate multiple rotation units as to be determined by configuration.

1.5 PERFORMANCE REQUIREMENTS

- A. Design Requirements:

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- B. Refer to plan view for starter and adder configuration, overall system dimensions, and location
- C. Refer to elevation view(s) for internal unit configuration and cabinet height.

### 1.6 SUBMITTALS

- A. Product Data: Submit manufacturer's product literature and installation instructions.
- B. Drawings: Provide layout of storage units including identification notations and dimensions. Provide elevation drawings of all units quoted.
- C. Initial Selection Samples: For initial selection of colors and textures, submit manufacturer's color chart(s) showing full range of colors and textures available.
- D. Samples: Provide minimum 3 inch (76 mm) square sample of each color and texture selected.
- E. Warranty: Submit a copy of manufacturer's warranty.
- F. Maintenance Data: Provide manufacturer's instructions for care and cleaning of the finish. Provide manufacturer's operation instructions for operating and locking the rotary unit.
- G. Reference List: Provide list of recently installed similar type of rotary storage units, some of which upon owner's consent may be visited by interested parties directly involved with this project.

### 1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Engage an experienced manufacturer who has been manufacturing this type of rotary storage unit continuously at the same location for a period of not less than 5 years. Based upon StoreMoreStore.com product specifications. Phone 1-800-803-1083.
- B. Installer Qualifications: Engage an experienced installer who is authorized by the manufacturer to install and service rotary storage units and who has successfully done so for a minimum of one year.
- C. Ship all starter units fully assembled, and adder units partially assembled (7 tier and shorter units).

### 1.8 DELIVERY, STORAGE AND HANDLING

- A. Follow manufacturer's recommendations for delivery, storage and handling requirements for rotary storage units.

### 1.9 PROJECT CONDITIONS

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- A. Field Measurements: Verify quantities and configuration of rotary storage unit(s) before fabrication. Indicate verified measurements on shop drawings. Coordinate fabrication and delivery to ensure no delay in progress of the work.
- B. Established Dimensions: Where field measurements cannot be made without delaying the work, establish dimensions and proceed with fabricating the rotary storage unit(s) without field measurements. Coordinate construction to ensure actual dimensions correspond to established dimensions.

### 1.10 SEQUENCING AND SCHEDULING

- A. Sequence rotary storage unit(s) with adjoining work to minimize possibility of damage and soiling during remainder of construction period.
- B. Schedule installation of specified rotary storage unit(s) after finishing operations including painting have been completed.
- C. Delivery, Storage, and Handling: Comply with all instructions and recommendations made by manufacturer or manufacturer's representative for delivery, storage, and handling requirements.
- D. Pre-installation Conference: Schedule and conduct conference on project site to review methods, procedures, and logistic details for installing rotary storage units.

Recommend attendees:

- 1. Owner's Representative
- 2. Prime Contractor or representative
- 3. Architect, Engineer, or person responsible for the design
- 4. Manufacturer's representative
- 5. Subcontractors or installers whose work may affect, or be affected by the installation of the specified rotary storage unit(s).

### 1.11 WARRANTY

- A. Provide a written warranty, executed by Contractor, Installer, and Manufacturer, agreeing to repair or replace any rotary unit which fails in materials or workmanship within the established warranty period. This warranty shall be in addition to, and not a limitation of, other rights the owner may have under general conditions provisions of the contract documents.
- B. Limited Lifetime warranty: Subject to the terms in the written warranty, warrant the original purchaser exclusively that the empty rotary unit manufactured by it will be free from defects in materials and workmanship for the lifetime of the rotary unit. For the balance of the equipment components, a warranty of five (5) years shall apply.

## PART 2 – PRODUCTS

### 2.1 MANUFACTURERS

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- A. General: Products are based upon StoreMoreStore.com Rotary Storage Cabinets.

### 2.2 BASIC MATERIALS

- A. General: Provide materials and quality of workmanship, which meet or exceed established industry standards for products specified. Use furniture grade sheet metal, wood trim (if applicable), hardware, and fasteners for component fabrication unless indicated otherwise. Material selection, dimension, and gauge are manufacturer's option unless indicated otherwise.

### 2.3 MANUFACTURED COMPONENTS

- A. Rotary Unit Base:

1. Base and rotor bottom assembly will be constructed of 12 GA or greater drawing quality cold rolled steel.
2. Base and rotor bottom are to be connected with a minimum 2 inch (51 mm) diameter carriage bolt. A locknut shall secure assembly and an oil impregnated bronze bushing will provide permanent lubrication to carriage bolt rotation.
3. Springs included in base design shall can stop a fully loaded unit without requiring tension adjustment at any time.
4. 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.
5. Separate bases shall be available for Starter and Adder units and such bases shall be secured to each other to eliminate racking of units during rotation.
6. When indicated initially, special starter base units will be supplied to accommodate the future addition of units on either the right or left side. This provides growth flexibility as needs evolve.
7. No foot pedal. Provide indent system for rotation of inner cabinet.

- C. Doors, Center Panel and Rotor Top:

1. Doors, center panel and rotor top shall connect and lock together to form one monolithic, structurally sound cabinet.
  - a) Door assembly shall consist of an outer surface free of projections, handles, bevels, or obstructions of any sort. Inner door shall be slotted (louvered) in 1-3/4 inch increments to allow for flexibility in shelf placement and for the acceptance of accessories required to house a wide array of media. Outer and inner door panels shall be welded together.
  - b) Center panel shall be triple-flanged to connect to the inner doors and rotor bottom. The door to center panel connection shall be made with dedicated fasteners at the inner door and rotor bottom. Length of fastener shall be engineered as such to not contact outer door during installation. Center panel to door fasteners shall be spaced no more than 12 inches on center.

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- c) 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.

### D. Reverse Beveled Posts, Vinyl Door Strips and Locks:

1. Reverse beveled posts, vinyl door strips and locks shall complement the appearance of the unit and be integrated into the unit.
  - a) Vinyl door strips shall integrate into the posts without the use of fasteners and be available in matching and/or complementary colors.
  - b) Posts shall function for either starter or add-on units.
  - c) Locks shall be included as standard equipment on all starters and adders, and available for multiple unit installations as either keyed alike or different. Locks operation may be upgradeable (at additional cost to be determined per project) to a security application suited to meet a predefined specific purpose. These shall be available and quoted by the manufacture on per job/per need basis.
2. Lock mechanism must interface with foot pedal to enable and maintain a free spin of base and rotor bottom in consideration for ADA Compliance.

### E. End Panels:

1. End panels shall attach to either starter or add-on unit as may be required by configuration of units.
2. Each starter unit will be complete with two end panels, four posts, and four vinyl door strips.
3. Each adder unit will be complete with two posts and four vinyl door strips.
4. The design of the post will include a reverse bevel for clearance during rotation.
5. The vinyl door strips will be available in a variety of colors to match the most popular standard colors.
6. The vinyl door strip will snap-fit into the post for a smooth and flush appearance.
7. End panels and posts will connect to each other without the need of fasteners of any type. The end panel/post sub-assembly will connect to both the base and the canopy tops with minimum of 5/16 inch bolts.
8. Locks will be installed on the post.

### F. Canopy Top:

1. Canopy top shall fasten securely to posts with bolt and/or engineered fastener.
2. For multiple connecting units, canopy tops must fasten to each other using appropriate supplied fasteners.
3. Fasteners shall be designed to eliminate movement of post during rotation of cabinet.

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### G. Accessories:

1. [(Optional) Wall Closure Strips: Provide manufacturer's standard.]
2. [(Optional) Lock options: Provide manufacturer's standard.]
3. [(Optional) Rollout Hanging Folder Frames: Provide manufacturer's standard.]
4. [(Optional) File Dividers: Provide manufacturer's standard.]
5. [(Optional) Rollout Reference Shelves: Provide manufacturer's standard.]
6. [(Optional) Rollout Drawers: Provide manufacturer's standard.]

### 2.4 FABRICATION

- A. General: Coordinate fabrication and delivery to ensure no delay in progress of work.

### 2.5 FINISHES

- B. Colors: [Select from manufacturer's standard available colors] [Select custom color]

Paint Finish: Provide factory applied electrostatic powder coat paint. Meet or exceed specifications of the American Library Association.

## PART 3 – EXECUTION

### 3.1 EXAMINATION

- A. With installer present, examine floor surfaces where rotary storage units will be located for compliance with manufacturer's requirements.
- B. With installer present, examine rotary units for proper sizing, examine layout for proper placement of starters and adders, and that intended locations do not block walkways, doorways, windows, electrical panels, etc.
- C. For all installations it shall be the installer's responsibility to know and to execute all phases of the installation in compliance with local building codes.

### 3.2 INSTALLATION

- A. General: Follow manufacturer's documented instructions and procedures.

### 3.3 FIELD QUALITY CONTROL

- A. Verify all units are plumb, square, and that doors and gaskets align. Note that all components and accessories are plumb and level. Correct if necessary.
- B. Replace components that are scratched, dented, or damaged in any manner with new items from the manufacturer. Surface scratches may be touched up but repair must be complete and undistinguishable.

### 3.4 ADJUSTING

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- A. Adjust all components and accessories to provide smooth operation and proper alignment.

### 3.5 CLEANING

- A. Upon completion of installation, clean all components and surfaces. Remove all packaging material, rubbish and debris resulting from installation immediately upon completion of work and leave area(s) of installation in neat, clean condition.

### 3.6 DEMONSTRATION AND TRAINING

- A. Schedule and conduct demonstration of proper operation by manufacturer or dealer authorized representative. Review features, shelf height adjustment, and proper operation of accessory items with owner's personnel.
- B. Schedule and conduct maintenance training with owner's maintenance personnel. Training session should include demonstration of normal maintenance procedures including adjustments and proper surface cleaning and preservation procedures that end user personnel would normally perform.

### 3.7 PROTECTION

- A. Protect all material against damage during remainder of construction period. Inform owner of additional protection needed to ensure that system will be without damage for remainder of work within the area.

END OF SECTION