

## UHS Pharmacy Store Mobile Shelving Specifications

high-density mobile storage units (mechanically assisted movement) with 5 working cubicles as working stations

### 1.1 RELATED DOCUMENTS

Floor plans for the Pharmacy store rooms

#### GENERAL Mobile Shelving Specifications

- High-density mobile storage system consisting of storage housings mounted on wheeled carriage assemblies riding on multiple steel rails. Purpose is to allow multiple ranges of storage housings to be accessed by means of one roving aisle, thus greatly reducing floor space requirements from that of conventional rows of storage housings. For clarification, the term storage housing shall refer to the shelving, rack, or cabinets which are a component of the high-density mobile system herein specified.
- Tri-spoke handle driven mechanical assist carriages and related equipment containing new or existing storage shelves
- Base floor capable of withstanding line load weight distribution created by load of materials, from weight of system, storage housings, media, and occupants.
- Finished floor material and installation within system footprint.
- Carriage: The carriage shall be formed of a welded structural steel frame with machined steel wheels mating and/or aligning to corresponding steel rails. All bearings shall be permanently lubricated and shielded.
- Drive Controls: Triple arm operating control with ergonomic user-friendly knobs shall be provided on the drive ends. A minimum of one operation knob per carriage shall be within operator reach at all times.
- Front drive control consisting of chain, sprocket, and upper drive bearing assembly shall be completely self-contained and enclosed within a steel housing independent of the face panel and shall be an integral part of the carriage structure. Carriage end panel drive assemblies which merely attach to the face panel and are not supported by a dedicated structure shall be unacceptable.
- Carriage drive mechanism shall be a direct drive, line shaft drive, or a synchro drive per manufacturer recommendations to best provide a smooth, non-binding, and non-slipping movement. Drive system shall be designed to provide a movement of up to 4,000 lbs. of load with only 1 lb. of user effort at the drive control handle.
- All bearings in drive system shall be permanently lubricated and shielded.

#### Safety Items:

- A user activated safety locking mechanism shall be provided at every carriage control to prevent unintentional carriage movement.
- An interconnected dual aisle safety locking mechanism for dual end control carriages shall be provided to enable securing an open aisle at one end of the carriage/aisle and releasing it from the opposite end of the carriage/aisle.
- A fully self-contained safety brake requiring no battery or external power source which activates a carriage brake by means of a side sweep panel on the carriage.

#### Finishes:

- Metal Components and Assemblies:
- All components shall be finished with an electrostatically applied powder coat. Finish shall consist of a non-glare raised surface that provides scuff and scratch resistance. Finish shall be a non-VOC emitting hybrid powder coat which meets or exceeds ASTM test criteria for adhesion, flexibility, hardness, and humidity resistance.
- Standard metallic or matt manufacturer's colors shall be offered at no additional charge. Any special color match shall be made available per the standard manufacturer's published policy.
- An anti microbial powder coat finish which shall hinder the growth of gram positive and gram negative bacteria. This shall also include molds and yeasts. The anti microbial properties shall be present and fully active for the life of the finish.
- Coat finish which shall dissipate an electrostatic charge. The electrostatic dissipation properties shall be present and fully active for the life of the finish. Availability shall be limited to black or granite colors.

#### Laminate Panels:

- High Pressure Laminate Finish: Vendor may provide another laminate manufacturer's color and pattern selection as selected by owner or

#### Performance and Design Requirements:

- Consult drawing for plan view and elevation details.
- For ceiling height or sprinkler code requirements, rail with required grout for leveling, carriage structure, and storage housing heights must be considered for an overall system height.
- Carriages shall be designed to accommodate existing or new storage housings as specified in accompanying documentation and floor plans.
- For Seismic Performance: Provide high-density mobile (compact) storage units capable of withstanding the effects of earthquake motion as required by applicable building codes. Site specific third party evaluation shall be provided by licensed local structural engineer.

#### Drawings:

- UHS will Provide dimensional layout of complete system including elevations, adjacent room details including pertinent notations and descriptions. Provide dimensional drawings including elevations of all storage housings locating on or adjacent to the system specified.

#### Initial Selection Samples:

- For initial selection of colors and textures, submit manufacturer's color chart(s) showing full range of colors and textures available.

#### Warranty:

- Submit a copy of manufacturer's warranty.

Maintenance Data:

- Provide manufacturer's operation manual, maintenance and care instructions, and instructions for care and cleaning of the finish.

QUALITY ASSURANCE

- Manufacturer Qualifications: Engage an experienced manufacturer who has been continuously manufacturing this type of product without interruption for a minimum of 20 years and can supply a list of references upon request.
- Manufacturing Qualifications: Engage an experienced manufacturer whose internal processes meet or exceed ISO 9001 requirements.

Accessories: (optional)