

Overall Product in place:

- a. Manual System (Lateral Movement)
- b. Capacity: 500 lbs. per foot
- c. Lengths: 6' – 20' in 1' increments standard
- d. Heights: 8', 9' and 10' in 1' increments standard
- e. Low Profile Rail
- f. Roller-type Guide Bearing System
- g. Anti-Tip System built in

PRODUCTS:

Track:

Track shall be a cold drawn, one piece low profile "T" section with anti-tip groove of 1035 steel 1 1/16" high with a base flange of 2 1/8" and a top surface of 5/8". All rail joints to be tongue and groove. Leveling screw adjustability (shims not acceptable). Each rail is supported by a full bed of non-shrink hydraulic grout with 8,000 psi at full cure.

Raised Floor:

Provide a 3/4" plywood sub-floor (particleboard unacceptable) underlayment grade BCX (see Related Work By Others for floor finish material) to raise finished floor flushed to top of track. Floor shall have intergrated leveling screws minimum 16" on center (shims unacceptable). Provide a ramp of same material as floor at front of assembly.

Or Substitute:

(For Flush Floor Installation) Rails should be recessed into floor so that top of rail is level with finished floor material. Mobile manufacturer to supply recess detail. (See Related Work By Others for concrete fill).

Carriage & Frame:

Modular steel construction consisting of mesh panels constructed of 10 gauge).135) steel wire, woven into 2" x 1" rectangular mesh and securely welded to a 1 1/4" x 1 1/4" x 1/8" steel angle frame. Frames have 7/8" x 7/16" slotted holes for mounting to posts and adjacent panel assemblies. Panels 4' to 7' wide have one 1/4" x 3/4" stiffener welded to the frame. Wider panels have tow stiffeners. Panels are bolted back to back to 3" x 1 1/2" x 1/8" carbon vertical steel tube posts. This forms a unique double face unite with no protruding frame assemblies. The vertical posts are bolted to a horizontal 12 gauge hot rolled steel base channel, which is bolted at pre-engineered locations to 12 gauge hot rolled wheel housing assemblies. A powder coat finish is applied to all components. Finish is inert; free of emissions and volatiles (wet spray applications unacceptable).

Wheels:

Hardened steel wheels to be a minimum 3" in diameter with two (2) permanently shielded ball bearing assemblies. Wheels to be hardened. Provide spacers at both sides of wheel bearings to eliminate all friction between wheels and carriage. Provide four (4) roller-type guide bearings and two (2) anti-tip mechanisms per track assembly at the leading edge of the carriage. Guide rollers to be adjustable to insure proper alignment of carriages. (Cast iron wheels and/or dual flange wheels unacceptable).

Nesting:

Art racks may be nested by utilizing offset track placements at wheel assembly to maximize capacity within the footprint of the system. (Pull out type racks unacceptable).