

SECTION 10616

DEMOUNTABLE GYPSUM BOARD PARTITIONS

PART GENERAL

SECTION INCLUDES

Partition framing.

Partition panels.

Aluminum door frames.

Steel door frames.

Glazing frames.

PVC trim and base.

RELATED SECTIONS

Section 08110 - Steel Doors and Frames.

Section 08210 - Wood Doors.

Section 08710 - Door Hardware.

Section 08800 - Glazing.

Section 09900 - Paint and Coatings.

REFERENCES

ASTM E 90 - Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.

ASTM E 119 - Fire Tests of Building Construction and Materials.

BIFMA - Requirements for Loading Capacity.

SYSTEM DESCRIPTION

Sound Transmission: Independent laboratory certification that demountable gypsum board partition system provides _____ STC when tested in accordance with ASTM E 90.

Point Accessibility: Allow for all panels to be point accessible and replaceable without affecting adjoining panels.

Fire Rating: Independent laboratory certification that demountable gypsum board partition system has passed 1-hour fire endurance and hose stream test when tested in accordance with ASTM E 119.

SUBMITTALS

Submit under provisions of Section 01300.

Product Data: Submit manufacturer's product certification, standard details, and installation instructions.

Shop Drawings: Prepared specifically for this project; show dimensions and interface with other products.

Selection Samples: Panel material and trim colors.

Removal and Maintenance Data: Removal and maintenance instructions, parts lists, and wiring diagrams.

QUALITY ASSURANCE

Manufacturer's Product Certification: Materials meet or exceed these specifications.

Installer Qualifications: Factory-trained, registered, and licensed by manufacturer.

PART PRODUCTS

MANUFACTURER

Provide products manufactured by Gravity Lock Systems Inc.; 5125 Glenmont; Houston, TX 77081; ASD. Tel: (800) 945-2454, Fax: (713) 666-8405.

Substitutions not permitted.

MATERIALS

Framing:

Top Track: Roll-formed steel, hemmed legs designed to accept snap-on/snap-off PVC ceiling trim from either side of partition.

Floor Track: Roll-formed steel, 1-1/2 inch (38 mm) high legs.

Stud Framing: "U"-shaped studs with 11 inch (280 mm) cross-locking channels, and roll-formed standard studs.

Panels:

Vinyl-Clad Gypsum.

Steel-Faced Gypsum.

High-Impact Vinyl on Gypsum.

Sound-Control Gypsum.

Sound-Control Honeycomb.

Thickness: 1/2 inch (12 mm).

Thickness: 5/8 inch (16 mm).

Glazing Components: Extruded 6063-T5 aluminum alloy; integrate with ceiling track and door frames.

Door Frames:

Aluminum: Extruded 6063-T5 aluminum alloy; integrate with ceiling track and glazing components.

Opening Height: 7'-0" (2.13 m).

Opening Height: 9'-0" (2.74 m).

Steel: 20 gage, reversible.

Opening Size: 3'-0" by 6'-8" (0.91 x 2.03 m).

Opening Size: 3'-0" by 7'-0" (0.91 x 2.13 m).

Trim (Battens, Base, Ceiling Trim, and Corners): PVC, snap-on type; manufacturer's standard color selected by Architect.

Furniture Support: Meeting BIFMA requirements for loading capacity; capable of supporting cabinetry of all standard furniture system companies.

PART EXECUTION

EXAMINATION

Verify that floors and ceilings are level and ready to accept partitions.

Verify that facility is clean, dry, and protected from outside weather.

INSTALLATION

Comply with manufacturer's printed instructions, except where more stringent requirements are mandated by governing authorities, and except where project conditions require extra precautions or provisions.

Erect partitions plumb and square, accurately fitting to suspended ceilings and over floor coverings; adjust to correct for floor irregularities.

- C. Carpeted Floors: Use fasteners that rigidly secure partitions without damaging or defacing carpeting.
- D. Suspended Ceilings: Use fasteners that rigidly secure partitions without damaging or defacing grid or ceiling.
- E. Mechanically fasten floor track to substrate at both sides of door frames, finished ends, and other areas where additional rigidity is required.
- F. Position studs vertically in floor and ceiling tracks at frequency required by panel size; install three cross channels per stud in accordance with manufacturer's instructions.
- G. Install panel clips in accordance with manufacturer's instructions; install panels on framework, taking care to seat all panel clips on cross channels.
- H. Butt panels to ensure tight, single line joints.
- I. Neatly cut and fit panels to existing walls, window mullions, building columns, and other appurtenances.
- J. Install ceiling trim, base molding, corners, and other trim in accordance with manufacturer's instructions.

CLEANING AND ADJUSTING

Upon completion of installation, clean all surfaces that have become soiled during installation.

END OF SECTION