

SECTION 10615

DEMOUNTABLE GYPSUM BOARD PARTITIONS

PART 1 GENERAL

1.01 WORK INCLUDED:

- A. Aluminum studs and tracks.
- B. Vinyl or Fabric covered gypsum wallboard Panels.
- C. Concealed Fasteners.
- D. Floor, Ceiling and Misc. Trim.
- E. Extruded Aluminum Door and Glazed opening frames.
- F. Doors and Hardware.

1.02 RELATED WORK:

- A. Section 08209 - Wood Doors.
- B. Section 08710 - Finish Hardware.
- C. Section 09260 - Gypsum Board Systems: Fixed wall partitioning.
- D. Section 09955 - Vinyl coated Fabric wall covering: Site installed vinyl wall covering
- E. Division 16 - Electrical and telephone conduit.

1.03 REFERENCES:

- A. ASTM B221 - Aluminum-Alloy, Extruded Bars, Rods, Wire, Shapes, and Tubes.
- B. ASTM C36 - Gypsum Wallboard.
- C. ASTM E90 - Airborne-Sound Transmission Loss of Building Partitions.
- D. FS CC-W-408 - Wall Covering - Vinyl Coated.
- E. FS DD-G-451 - Glass, Float or Plate, Sheet, Figured.

1.04 DESCRIPTION:

- A. Fully demountable non-progressive stud and panel type system, with reusable aluminum components. Total wall cavity of 2 1/2" with horizontal raceway at the base capable of extending in four directions. Pre-finished panels with closed vertical joints. Integral snap-on base, cornice and ceiling height moldings. **NO EXPOSED FASTENERS OR BATTENS.**
- B. Panels are 5/8" gypsum, pre-finished with vinyl, textile fabric, or other finish.
- C. Partitions shall accommodate specified height with variations up to one inch.
- D. No single component shall weigh in excess of 60 pounds.

1.05 Performance requirements

- A. Acoustic Attenuation: 44 STC in accordance with ANSI/ASTM E90

1.06 MOCKUP:

- A. Arrange for Architect/Engineer and Owner to visit installation.

1.07 SUBMITTAL:

- A. Submit samples under provisions of Section {01300.} {01340.}
- B. Provide five samples of each panel and surface finish specified.

1.08 ENVIRONMENTAL REQUIREMENTS:

- A. Ensure that rooms, surfaces, and materials are maintained between 60 degrees F (15.6 degrees C) and 85 degrees F (29.4 degrees C) and relative Humidity of 70% from 72 hours before installation until date of Substantial Completion.

1.09 SCHEDULING:

- A. **SCHEDULING IS CRITICAL.** A complete delivery and performance schedule must be submitted prior to bid.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS:

- A. NEF Wall Systems as Mfg. by:
HUGH ROBINSON, INC.
2718 N.W. 31st Ave.
Fort Lauderdale, FL 33310

- B. Substitutions: Under provisions of Section 01600 are not relieved of meeting any provisions under this section concerning material type, construction or otherwise. Complete details of all components and condition sections showing conformity to the items listed below must be submitted before approval.

2.02 TYPE:

- A. Panel and stud type.
- B. Non-progressive.
- C. All aluminum trim and framing components.
- D. S.T.C. 44

2.03 MATERIALS:

- A. Gypsum panels
 - 1. All 5/8" type X, 24" Wide.
 - 2. Panel finish as specified to be factory applied and made available as stock item for future renovations.

- B. Studs
 - 1. Mill Finish extruded Aluminum Alloy 6063-T5, 1 3/8" inches by 2 1/4" inches with 1/8" pressure sensitive tape machine applied to each face.

- C. Floor Track and Channel Runners.
 - 1. All framing components to be Aluminum extrusions alloy 6063-T5.
 - 2. Floor Track to hold panel off finish floor and incorporate an integral clip to accept finish base trim.

D. Ceiling Track

1. One piece extruded aluminum with integral trim to conceal top edges of panels. All sides prefinished matching exposed surface.

E. Exposed Trim, Track and Glazing Frames.

1. Extruded Aluminum Alloy 6063.
 - a) Finish as specified.

F. Base Trim.

1. Extruded plastic 4" high x .060" thick
 - a) Finish as specified.

G. Door Frame: NEF Wall Systems Extruded Aluminum Door Frame. Extruded aluminum alloy 6063-T5 with a typical wall thickness of .094" and hinge attachment flange .125" excluding trim sections. Frame shall be unhandled with concealed hinge fastening and allow for hinge and strike locations to be changed to accommodate different door machining locations. Doorframe must be capable of achieving a 45-minute fire rating.

H. Sound Seal: Open cell, 2-pound density. Install at top track and where walls abut curtain wall.

I. Doors: As specified in section 08209 and listed on door schedule.

J. Hardware: As specified in section 08710 and listed on door schedule.

2.05 FINISHES:

A. Panels:

1. Panel finish to be OMOVA Solutions vinyl film Stardust quality.

B. Aluminum Trim:

1. Polyester Baked Enamel Selected from manufacturers standard colors.

C. Extruded Vinyl Base Trim:

1. Color selected from manufacturers standard colors.

D. Unexposed Aluminum Framing:

1. Mill finish aluminum.

E. All components must be maintained as a stock item for immediate shipment for a period of three years.

PART 3 EXECUTION:

3.01 PREPARATION:

- A. Erect partition system in strict conformance with contractors sequenced schedule.

3.02 INSTALLATION:

- A. Coordinate as required with other trades to assure proper and adequate provision the work of those trades for interface with the work of this section.
- B. Partitions
 - 1. Erect partitions plumb, square, level and free of all rattles. Accurately fit and fasten to abutting surfaces.

End of Section