DEMOUNTABLE PARTITIONS

1. GENERAL
   * + 1. RELATED DOCUMENTS
          1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
       2. SUMMARY
          1. Section Includes:

Site-assembled demountable partitions.

Unitized-panel demountable partitions.

* + - 1. ACTION SUBMITTALS
         1. Product Data: For each type of product.
         2. LEED Submittals:

Product Data for Credit EQ 4.1: For installation adhesives, documentation including printed statement of VOC content.

Laboratory Test Reports for Credit EQ 4: For [**adhesives**] [**and**] [**demountable partitions**], documentation indicating that products comply with the testing and product requirements of the EU regulations and ASTM Standard.

* + - * 1. Shop Drawings: For demountable partitions.

Include plans, elevations, and sections; attachment details at floors, columns, permanent partitions, and ceilings; and method of erection and disassembly.

* + - * 1. Samples: For each exposed product and for each color and texture specified, in manufacturer's standard sizes
        2. Samples for Initial Selection: For each type of exposed finish.

Include Samples of hardware and accessories involving color or finish selection.

* + - * 1. Samples for Verification: For each type of the following products:

Glazing: Manufacturer's standard-size unit, but not less than [**8 x 12 inches ( 200 x 300 mm )**.

Linear Trim: [**12-inch- (300-mm-)**]

Door Finish: Manufacturer's standard-size unit, but not less than **[8 x 12 inches ( 200 x 300 mm )**.

Hardware and Accessories: whole units

* + - 1. INFORMATIONAL SUBMITTALS
         1. Product Certificates: For each type of demountable partition.
         2. Product Test Reports: For each type of demountable-partition assembly, for tests performed by manufacturer and witnessed by a qualified testing agency.
      2. CLOSEOUT SUBMITTALS
         1. Maintenance Data: For demountable partitions to include in maintenance manuals.
      3. MAINTENANCE MATERIAL SUBMITTALS
         1. Furnish extra materials [**,from same production run,**] that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

Partition Components: Furnish a quantity of each type of full-size unit with installation tools and materials equal to [**one**] [**two**] <**Insert number**> percent of the amount installed, but no fewer than <**Insert number**> units.

* + - 1. QUALITY ASSURANCE
         1. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for fabrication and installation.

Build mockups for demountable partitions including accessories.

Size: as required by the architect

Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.

Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

* + - 1. FIELD CONDITIONS
         1. Finished Spaces: Do not deliver or install demountable partitions until finishes in spaces to receive them are complete, including suspended ceilings, floors, carpeting, and painting.
         2. Field Measurements: Indicate measurements on Shop Drawings.

1. PRODUCTS
   * + 1. PERFORMANCE REQUIREMENTS
          1. Structural Performance: Provide demountable partitions capable of withstanding the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:

Load-Bearing Capacity: N/A

Transverse-Load Capacity: Lateral deflection of not more than **1/120** of the overall span when tested under a uniformly distributed load of 5 lb/sq. ft. (24.4 kg/sq. m) according to DIN 4103 Part 1

* + - * 1. Acoustical Performance: Where acoustical rating is indicated, provide demountable-partition assembly tested by a qualified testing agency for sound transmission loss performance according to ISO 10140-2 and rated for not less than the ISO 10140-2 value indicated. **[ISO 10140-2, 55 dB RW ].**
      1. SITE-ASSEMBLED DEMOUNTABLE DOUBLE GLAZED PARTITIONS <**Insert drawing designation**>
         1. General: Site-assembled, progressive, demountable-partition assembly and components that are the standard products of manufacturer.

Manufacturers: Subject to compliance with requirements, [**provide products by the following**] [**provide products by one of the following**: LINDNER AG

Basis of Design: Subject to compliance with requirements, provide **Lindner Life 137 Double Glazed Partition** or comparable product by one of the following:

LINDNER AG, www.lindner-group.com.

<**Insert manufacturer's name**>.

* + - * 1. System to be able to adapt to and to absorb soffit or ceiling deflections (post installation) up to +/- **0.49 inch (12.5 mm)** without damages.
        2. Partition Wall thickness: [**3.93 inch (100 mm) for non fire rated system**]or [**4.9 inch (125 mm) for fire rated system**]
        3. Fire Rating of Partition Assembly: Non Fire Rated, EI30 or EI60 tested according to EN 13501-2. (**Delete as required)**
        4. Acoustical Rating: ISO 10140-2, 55dB RW.
        5. Glass panes to be fixed to aluminium profiles by means of adhesive in accordance with ETAG 002 Standard for Structural Bonding and with maximum visible height of [**0.78 inch (20 mm)**] vertically and [**1.18 inch (30 mm)**] horizontally.
        6. Glazing Profiles: Manufacturer's standard aluminum profiles for glazing thickness indicated.

Profiles: Extruded aluminum Eloxal E6/EV1.

Profile Finish: **RAL**

Profile size: **35 x 22 x 2 mm**

Glazing: [**Toughened safety glass], [Laminated safety glass], [Laminated safety glass with sound control foil] [ Heat soaked glass].**

Thickness: [**0.47 inch (12 mm)**] **Manufacturer's standard**.

Panel Widths: Modular, [up to **49.21 inches (1250 mm)**] [**as indicated on Drawings**] [**as selected by Architect from manufacturer's standard widths**] <**Insert requirement**>.

Finish/Colour: [**Clear or coloured transparent Glass] [or finished with Foils], [Screen printing], [ Enamel / Back Paint] or [Acid Etching] According to Finishes Schedule or Architect’s choice.**

* + - * 1. Doors: As selected by Architect from manufacturer's “PLUS” range

Wooden doors leaves **[40] [50] [70]** mm.

Fully glazed door leaves **[10] [12]** mm.

Glazed door leaves **[56] [68] [100]** mm.

Tubular door leaves **[40] [56]** mm

Door Finish: [**Factory primed for field painting**] [**Factory-applied baked-enamel or powder-coat finish**] [**Plastic laminate**] [**Wood veneer**] <**Insert requirement**>.

Color, Texture, and Pattern: As selected by Architect from manufacturer's full range

Wood-Veneer Species and Finish: As selected by Architect from manufacturer's full range

* + - * 1. Door Frames: Manufacturer's standard aluminum frames

Frame Finish: As selected by Architect from manufacturer's full range

Frame Color: As selected by Architect from manufacturer's full range

* + - * 1. Hardware: As selected by Architect from manufacturer's full range but compatible with door frame system.
        2. Electrical Devices: Integral, concealed raceways to serve electrical power and communication devices indicated on Drawings.

Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a qualified testing agency, and marked for intended location and application.

* + - 1. FABRICATION
         1. General: Fabricate demountable walls for installation with concealed fastening devices and pressure-fit members that will not damage ceiling or floor coverings. Fabricate systems for installation with continuous seals at floor, ceiling, and other locations where partitions abut fixed construction.
         2. Panels for Site-Assembled Demountable Partitions: Face panels fabricated and finished in modular widths indicated.

Factory glazed panels to the greatest extent possible.

* + - * 1. Finish Facings: Apply finish-facing materials with appropriate backings, using mildew-resistant non-staining adhesive as recommended by finish-material manufacturer's written instructions.

Apply facing to panel in one piece, seamless and with no gaps or overlaps; free of air bubbles, wrinkles, blisters, or other defects.

* + - * 1. Wiring: Conceal conductors and cables in raceways. Bundle, lace, and train conductors to terminal points with no excess and without exceeding manufacturer's limitations on bending radii.
      1. OTHER MATERIALS
         1. Adhesives: As recommended by demountable-partition manufacturer.
      2. GENERAL FINISH REQUIREMENTS
         1. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
         2. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

1. EXECUTION
   * + 1. INSTALLATION
          1. General: Install demountable partitions after other finishing operations have been completed.

Install partitions rigid, level, plumb, and aligned. Install seals at connections with floors, ceilings, fixed walls, and abutting surfaces to prevent light and sound transmission.

Broken, cracked, chipped, deformed, or unmatched panels and components are not acceptable.

Except for filler panels scribed to fixed walls or columns, do not modify manufacturer's standard components.

* + - * 1. Suspended-Ceiling System: Make alterations to suspended-ceiling system required by partition installation or to gain access to electrical or communication systems without affecting the structural integrity of suspended-ceiling system.
        2. Doors and Frames: Install door-and-frame assemblies securely anchored to partitions and with doors aligned and fitted. Install and adjust door hardware for proper operation.
      1. ERECTION TOLERANCES
         1. Install each demountable partition so surfaces vary not more than 1/8 inch (3 mm) from the plane formed by the faces of adjacent partitions.
      2. ADJUSTING
         1. Inspect installation, correct misalignments, and tighten loose connections.
         2. Adjust doors to operate smoothly and easily, without binding or warping.
         3. Check and readjust operating hardware. Verify that latches and locks engage accurately and securely without forcing or binding; lubricate as recommended by manufacturer.
         4. Clean soiled surfaces to remove dirt, fingerprints, adhesives, and other foreign materials according to manufacturer's written instructions.
         5. Remove and replace defaced or damaged components that cannot be satisfactorily repaired.
         6. Remove and replace components that are wet, moisture damaged, or mold damaged.
      3. DEMONSTRATION
         1. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain demountable partitions.

END OF SECTION