

**SECTION 10 22 19
DEMOUNTABLE PARTITIONS**

SPEC WRITER NOTE: Delete text between
// // not applicable to project. Edit
remaining text to suit project.

PART 1 - GENERAL

1.1 SUMMARY

SPEC WRITER NOTE:

1. Demountable partitions are suitable for administrative, admissions, waiting and other non-clinical areas, only.
2. Demountable partitions can provide acoustic privacy in some configurations. Use swinging doors for these applications.
3. Demountable partitions can act as smoke barriers when partitions terminate at smoke resistant ceiling or bulkhead.

A. Section Includes:

1. Demountable glazed partitions // with opaque panels // and // electrical power and communications services //.
2. Demountable opaque panel partitions // with electrical power and communications services //.

1.2 RELATED WORK

SPEC WRITER NOTE: Update and retain
references only when specified elsewhere
in this section.

- A. Section 01 81 13, SUSTAINABLE CONSTRUCTION REQUIREMENTS: Adhesive VOC Limits.
- B. Section 07 21 13, THERMAL INSULATION: Acoustical Insulation.
- C. Section 08 14 00, INTERIOR WOOD DOORS: Wood Doors.
- D. Section 08 71 00, DOOR HARDWARE: Door Hardware.
- E. Section 08 80 00, GLAZING Glass.
- F. Section 09 06 00, SCHEDULE FOR FINISHES: Infill Panel Color.
- G. //Section 09 72 16, VINYL-COATED FABRIC WALL COVERING: Wall Covering.
- H. //Section 09 72 31, POLYPROPYLENE FABRIC WALL COVERING: Wall Covering //.
- I. Division 26, ELECTRICAL: Electrical Devices and Wiring.
- J. Division 27, COMMUNICATIONS: Communications Devices and Wiring.

1.3 APPLICABLE PUBLICATIONS

- A. Comply with references to extent specified in this section.
- B. American National Standards Institute (ANSI):
 A208.1-09.....Particleboard.
 A208.2-09.....Medium Density Fiberboard (MDF) For Interior Applications.
- C. Architectural Woodwork Institute (AWI):
 AWS-14.....Architectural Woodwork Standards.
- D. ASTM International (ASTM):
 A653/A653M-20.....Steel Sheet, Zinc Coated (Galvanized) or Zinc Iron Alloy Coated (Galvannealed) by the Hot Dip Process.A1008/A1008M-15 - Steel, Sheet, Cold Rolled, Carbon, Structural, High Strength Low Alloy, High Strength Low Alloy with Improved Formability, Solution Hardened, and Baked Hardenable.
 B209-14.....Aluminum and Aluminum Alloy Sheet and Plate.
 B209M-14.....Aluminum and Aluminum Alloy Sheet and Plate (Metric).
 B221-14.....Aluminum and Aluminum Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
 B221M-13.....Aluminum and Aluminum Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric).
 C612-14(2019).....Mineral Fiber Block and Board Thermal Insulation.
 D1187/D1187M-97(2018)...Asphalt-Base Emulsions for Use as Protective Coatings for Metal.
 C1396/C1396M-17.....Gypsum Board.
 E84-20.....Standard Test Method for Surface Burning Characteristics of Building Materials.
 E90-09(2016).....Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
 E119-20.....Standard Test Methods for Fire Tests of Building Construction and Materials.
- E. Hardwood Plywood & Veneer Association (HPVA):
 HP-1-09.....Hardwood and Decorative Plywood.
- F. Master Painters Institute (MPI):

- No. 18.....Primer, Zinc Rich, Organic.
- G. National Association of Architectural Metal Manufacturers (NAAMM):
AMP 500-06.....Metal Finishes Manual.
- H. National Electrical Manufactures Association (NEMA):
LD3-05.....High-Pressure Decorative Laminates (HPDL).
- I. National Fire Protection Association (NFPA):
70-14.....National Electrical Code.
101-15.....Life Safety Code.
265-15.....Fire Tests for Evaluating Room Fire Growth
Contribution of Textile or Expanded Vinyl Wall
Coverings on Full Height Panels and Walls.
286-15.....Fire Tests for Evaluating Room Fire Growth
Contribution of Textile or Expanded Vinyl Wall
Coverings on Full Height Panels and Walls.
- J. UL LLC (UL):
1784-04(2009).....Air Leakage Tests of Door Assemblies and Other
Opening Protectives.

1.4 PREINSTALLATION MEETINGS

- A. Conduct preinstallation meeting // at project site // minimum 30 days before beginning Work of this section.

SPEC WRITER NOTE: Edit participant list to ensure entities influencing outcome attend.

1. Required Participants:

- a. Contracting Officer's Representative.
- b. //Architect/Engineer // and Interior Designer //.
- c. //VA Interior Designer. //
- d. Contractor.
- e. Installer.
- f. //Manufacturer's field representative. //
- g. Other installers responsible for adjacent and intersecting work, including // gypsum board // and // acoustic ceiling //.

SPEC WRITER NOTE: Edit meeting agenda to incorporate project specific topics.

2. Meeting Agenda: Distribute agenda to participants minimum 3 days before meeting.

- a. Installation schedule.
- b. Installation sequence.

- c. Preparatory work.
 - d. Protection before, during, and after installation.
 - e. Installation.
 - f. Terminations.
 - g. Transitions and connections to other work.
 - h. Other items affecting successful completion.
3. Document and distribute meeting minutes to participants to record decisions affecting installation.

1.5 SUBMITTALS

A. Submittal Procedures: Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.

B. Submittal Drawings:

- 1. Show size, configuration, and fabrication and installation details.
- 2. Show partition layout and attachment including locations of doors, glass, and opaque panels, // and locations of each type and finish //.

SPEC WRITER NOTE: Retain paragraph below when demountable partitions must support items attached to partition system.

- 3. Show maximum accessory weights partitions can support.

C. Manufacturer's Literature and Data:

- 1. Description of each product.
- 2. Demountable partition panels, doors, and hardware indicating manufacturer recommendation for each application.
- 3. Installation instructions.
- 4. Warranty.

D. Samples:

- 1. Exposed Finish Items: // 150 mm (6 inches) long for framing members, // 150 mm (6 inches) square for glass and finished opaque panels //, each type and color //.
 - a. Submit quantity required to show full color // and texture // range.

E. Sustainable Construction Submittals:

SPEC WRITER NOTE: Retain sustainable construction submittals appropriate to product.

- 1. Recycled Content: Identify post-consumer and pre-consumer recycled content percentage by weight.

- 2. Low -Emitting Materials:
 - a. Show volatile organic compound types and quantities.
 - b. Certify each // composite wood // product contains no added urea formaldehyde.

SPEC WRITER NOTE: Retain biobased requirement for wood doors and MDF and particleboard panel cores.

- 3. Biobased: Provide a minimum 55 percent biobased content, based on weight.
- F. Certificates: Certify // each product complies // products comply // with specifications.
 - 1. Show electrical components are UL Listed for specified application.
- G. Qualifications: Substantiate qualifications comply with specifications.
 - 1. Manufacturer // with project experience list //.
 - 2. Installer // with project experience list //.
- H. Operation and Maintenance Data:
 - 1. Care instructions for each exposed finish product.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications:
 - 1. Regularly manufacturers specified products.
 - 2. Manufactured specified products with satisfactory service on five similar installations for minimum five years.
 - a. // Project Experience List: Provide contact names and addresses for completed projects. //
- B. Installer Qualifications:
 - 1. Regularly installs specified products.
 - 2. Installed specified products with satisfactory service on five similar installations for minimum five years.
 - a. // Project Experience List: Provide contact names and addresses for completed projects. //
- C. Mockups:
 - 1. Erect mockup of // one // _____ // complete room indicated on drawings. Include framing, // glass panels, // opaque panels, // doors // and power and communications devices // illustrating every required system component.
 - 2. Approved mockup may remain as part of completed work.

1.7 DELIVERY

- A. Deliver products in manufacturer's original sealed packaging.

- B. Mark packaging, legibly. Indicate manufacturer's name or brand, type, // color, // production run number, and manufacture date.
- C. Before installation, return or dispose of products within distorted, damaged, or opened packaging.

1.8 STORAGE AND HANDLING

- A. Store products indoors in dry, weathertight // conditioned // facility.
- B. Protect products from damage during handling and construction operations.

1.9 FIELD CONDITIONS

- A. Environment:
 - 1. Work Area Ambient Conditions: HVAC systems are complete, operational, and maintaining facility design operating conditions continuously, beginning 48 hours before installation until Government occupancy.
- B. Field Measurements: Verify field conditions affecting demountable partition fabrication and installation. Show field measurements on Submittal Drawings.

1.10 WARRANTY

SPEC WRITER NOTE: Always retain construction warranty. FAR includes Contractor's one year labor and material warranty.

- A. Construction Warranty: FAR clause 52.246-21, "Warranty of Construction."

SPEC WRITER NOTE: Specify extended manufacturer's warranties for materials only.

- B. Manufacturer's Warranty: Warrant demountable partitions including doors, hardware, and accessories against material and manufacturing defects.

SPEC WRITER NOTE: Specify customarily available warranty period for specified products.

1. Warranty Period: // 10 // _____ // years.

PART 2 - PRODUCTS

2.1 SYSTEM DESCRIPTION

SPEC WRITER NOTE: Describe each system with components required for project.

Copy and edit system description for each required system.

A. Demountable Partition System // DPS-1 //:

1. Assembly: // Site assembled // Factory unitized //; non-progressive permitting assembly and disassembly beginning at any point within system allowing reconfiguration, addition, or removal.

SPEC WRITER NOTE:

1. Select one or both mounting conditions.
2. Floor mounted systems require bracing such as corner returns or attachment to fixed partitions for stability.

2. Mounting: Floor anchored, free standing.

3. Mounting: Floor and ceiling anchored.

SPEC WRITER NOTE:

1. Select one or both configurations for panel position within framing.
2. Single-faced partitions center panels on framing or offset panels to one framing face.
3. Double-faced partitions use panels on both framing faces.

4. Configuration: Single-faced; // offset // centered // panels.

5. Configuration: Double-faced.

SPEC WRITER NOTE: Select one method to specify panel types. When using more than one type, drawings must show where each type is used. Partition system may permit different finishes on both sides of partition. Coordinate required finishes with Section 09 06 00, SCHEDULE FOR FINISHES.

6. Panels: See drawings.

7. Panels: Glass // and opaque //; // metal // wood // fabric // resin //.

8. Doors: // Metal framed glass // Glass // Wood //; swinging // and sliding //.

9. Services: Electrical power // and communications // service at each workstation // and other locations // shown on drawings with wiring concealed in demountable partition system; accessible for future expansion and reconfiguration.

SPEC WRITER NOTE: Retain accessories paragraph below when demountable partitions must support items attached to partition system.

10. Accessories: Accommodate attachment of millwork, furniture, storage, lighting, and other fixtures and fittings without damaging demountable partition components.

2.2 SYSTEM PERFORMANCE

A. Design demountable partitions complying with specified performance:

1. Load Resistance:

- a. Lateral Loads: 240 Pa (5 psf) uniform load.
- b. Deflection: // 1/240 // 1/120 // of span maximum.

SPEC WRITER NOTE: Fire rated systems may require steel construction and will require fire rated ceiling or bulkhead construction, specialty fire protection rated glazing for doors and fire resistance rated glazing for walls.

2. Fire Resistance: ASTM E119; as component of // 1 // 2 // hour rated wall assembly.

SPEC WRITER NOTE: Include surface burning characteristics when panels and panel surfaces are combustible.

3. // Fabric // Wood // Panel Surface Burning Characteristics: When tested according to ASTM E84.

SPEC WRITER NOTE: Select flame spread rating to suit occupancy type, location within project, and sprinkler coverage.

- a. Flame Spread Rating: // 25 // 75 // 200 // maximum.
- b. Smoke Developed Rating: 450 maximum.

SPEC WRITER NOTE: Include Fabric room fire contribution for fabric and expanded vinyl faced panels only. Textile fabrics must comply with NFPA 265. Expanded vinyl finishes may comply with NFPA 265 or NFPA 286.

4. Room Fire Growth Contribution: Comply with NFPA 101 when tested to // NFPA 265 // or NFPA 286 //.

SPEC WRITER NOTE:

1. Sound transmission is dependent on mass, flexibility, and sealed openings within partition systems.
2. STC ratings range from 34 for single-faced 9 mm (3/8 inch) tempered glass to 45 for double-faced 13 mm (1/2 inch) tempered glass or solid panels. See VA PG-18-3 for specific room sound transmission classification requirements.

5. Sound Transmission: ASTM E90; // 45 // 40 // STC, minimum.

SPEC WRITER NOTE: Sound absorption is possible only when partition surfaces are acoustically absorptive such as fabric facings and fiber board panel cores. Check with manufacturers for possible NRC ratings.

6. Sound Absorption: // _____ // NRC, minimum.

SPEC WRITER NOTE: Retain door air leakage requirements when demountable partitions are smoke partitions.

7. Door Air Leakage Rate: UL 1784; 0.015424 cubic meter/second/square meter (3.0 cfm/square foot) maximum for doors in smoke partitions.

2.3 MATERIALS

A. Aluminum:

1. Extruded: ASTM B221M (ASTM B221); Alloy 6063-T6.
2. Sheet: ASTM B209M (ASTM B209); Alloy 5005-H32.

SPEC WRITER NOTE: Fire rated partitions may require steel construction to achieve fire rating.

B. Steel: // A1008/A1008M; Cold rolled steel sheet // ASTM A653/A653M; Z120 or ZF120 (G40 or A40) metallic-coated //.

SPEC WRITER NOTE:

1. Coordinate glass selections with glass schedules in Section 08 80 00, GLAZING.
2. Writable glass as marker boards may be available, but is not included in Section 08 80 00, GLAZING.

C. Glass: See Section 08 80 00.

1. Monolithic Glass MG# // _____ //, polished edges for butt glazing.
2. Laminated Glass LG# // _____ //, polished edges for butt glazing.

a. Interlayer: // Patterned // Colored //.

SPEC WRITER NOTE: For consistent appearance in fire resistant glass partitions, consider requiring fire resistance rated glass at both doors and walls. Otherwise Section 08 80 00, GLAZING will permit different glass types with different visual appearance.

3. Fire Protective Glass FR# // _____ //.

4. Fire Resistive Glass FR# // _____ //.

D. Wall Covering: // Vinyl-coated fabric type; see Section 09 72 16, VINYL-COATED FABRIC WALL COVERING // Polypropylene fabric type; see Section 09 72 31, POLYPROPYLENE FABRIC WALL COVERING //.

E. Fabric: // Polyester // Polyolefin // _____ //; stain resistant and flame resistant.

SPEC WRITER NOTE: Coordinate wood species, cut, and matching with other wood and wood veneer products.

1. Wood Veneer: AWI AWS // Premium Grade. rotary cut, // white maple // white birch // red oak // white oak // _____ //.

a. Grade: // A // AA //.

b. Matching: // Slip // Book //.

F. Plastic Laminate: NEMA LD3; Grade VGF, fire resistance rated.

G. Gypsum Board: ASTM C1396/C1396M; Type X, 16 mm (5/8 inch) thick.

H. Acrylic Sheet: In manufacturer's standard thickness; color as indicated in Section 09 06 00, SCHEDULE OF FINISHES.

SPEC WRITER NOTE: Retain option for no added urea formaldehyde when specifying wood based panel cores.

I. Panel Cores: Fire retardant types // with no added urea formaldehyde //.

1. Glass-Fiber Board: ASTM C612; // tackable face //.

2. Mineral-Fiber Board.

3. Hardwood Plywood: HPVA HP-1; with specified face veneer.

4. Medium-Density Fiberboard: ANSI A208.2, Grade M-2.

5. Particleboard: ANSI A208.1, Grade 2 M-2.

J. Acoustical Insulation: See Section 07 21 13, THERMAL INSULATION.

2.4 PRODUCTS - GENERAL

A. Basis of Design: Section 09 06 00, SCHEDULE FOR FINISHES.

B. Provide faced panels from one manufacturer // and from one production run //.

C. Sustainable Construction Requirements:

SPEC WRITER NOTE: Steel recycled content depends upon furnace type. AISC reports industry wide 32 percent for basic oxygen furnace and 93 percent for electric arc furnace.

1. Steel Recycled Content: 30 percent total recycled content, minimum.

SPEC WRITER NOTE: Aluminum Association (AA) reports 2008 industry average 85 percent recycled content for aluminum in building construction industry. Retain 50 percent when specifying anodized aluminum.

2. Aluminum Recycled Content: // 80 // 50 // percent total recycled content, minimum.

SPEC WRITER NOTE:

1. Section 01 81 13, SUSTAINABLE CONSTRUCTION REQUIREMENTS includes comprehensive product list setting VOC limits for low-emitting materials.
2. Retain subparagraphs applicable to products specified in this section.

3. Low Pollutant-Emitting Materials: Comply with VOC limits specified in Section 01 81 13, SUSTAINABLE CONSTRUCTION REQUIREMENTS for the following products:

- a. Non-flooring adhesives and sealants.
- b. Aerosol adhesives.
- c. Paints and coatings.
- d. Composite wood and agrifiber.

2.5 FRAMING

A. Framing: // Extruded aluminum // Roll-formed steel // components including floor track, top track // vertical mullions, // horizontal mullions, // studs or posts, // bracing, and end closures.

SPEC WRITER NOTE: Edit framing depth and height to suit basis of design product or rely on manufacturer's standard when aesthetics can accommodate variation.

1. Framing Depth: // 75 mm (3 inches) // manufacturer's standard //.

2. Framing Height: // 100 mm (4 inches) // manufacturer's standard //.

SPEC WRITER NOTE: Retain frame bases for unitized and partially unitized

demountable partitions. Frame bases receive unitized frames and conceal height adjustment hardware.

- B. Frame Bases: Construction matching framing with provisions for minimum 38 mm (1-1/2 inch) height adjustment and partition leveling to accommodate floor slab tolerances.

2.6 SITE ASSEMBLED PANELS

- A. Glass Panel Thickness: // 6 mm (1/4 inch) // 9 mm (3/8 inch) // 13 mm (1/2 inch) //.
- B. Opaque Panel Thickness: // 13 mm (1/2 inch) // 16 mm (5/8 inch) // 19 mm (3/4 inch) // _____ //.
- C. Panel Widths: // 610 mm (24 inches) // 760 mm (30 inches) // 900 mm (36 inches) // 1050 mm (42 inches) // 1200 mm (48 inches) //.

2.7 FACTORY UNITIZED PANELS

- A. Fully factory unitize frame and panels for field assembly.
- B. Glass Panel Thickness: // 6 mm (1/4 inch) // 9 mm (3/8 inch) // 13 mm (1/2 inch) //.
- C. Opaque Panel Thickness: // 45 mm (1-3/4 inch) // 56 mm (2-1/4 inch) // _____ //.
- D. Panel Widths: // 610 mm (24 inches) // 760 mm (30 inches) // 900 mm (36 inches) // 1050 mm (42 inches) // 1200 mm (48 inches) //.

2.8 FACTORY PARTIALLY UNITIZED PANELS

- A. Factory unitize frames to receive field installed panels.
- B. Glass Panel Thickness: // 6 mm (1/4 inch) // 9 mm (3/8 inch) // 13 mm (1/2 inch) //.
- C. Opaque Panel Thickness: // 45 mm (1-3/4 inch) // 56 mm (2-1/4 inch) // _____ //.
- D. Panel Widths: // 610 mm (24 inches) // 760 mm (30 inches) // 900 mm (36 inches) // 1050 mm (42 inches) // 1200 mm (48 inches) //.

2.9 GLASS PANELS

- A. Single Glazed Panels: Single glass panel, set in // floor and top track; butt glazed // perimeter framing //.
- B. Double Glazed Panels: Two glass panels set in perimeter framing, with air space separation.

2.10 OPAQUE PANELS

- A. Metal Panels:
 1. Faces: // Aluminum // Steel // sheet, laminated to core.
 2. Core: Manufacturer's standard.

B. Wood Panels:

SPEC WRITER NOTE: Retain wood veneer for painted or transparent finish. Retain MDO for smooth painted finish.

1. Faces: // Wood veneer // Medium density overlay (MDO) // Plastic laminate //.
2. Core: Hardwood plywood with // medium-density fiberboard // particleboard //.

C. Fabric Panels:

1. Faces: // Wall Covering // Fabric //.
2. Core: // Gypsum board // Medium-density fiberboard // Particleboard // _____ //.

SPEC WRITER NOTE: Retain either factory finished or unfinished gypsum board panels.

D. Gypsum Panels: Factory finish gypsum board.

E. Gypsum Panels: Unfinished gypsum board for field // painting // covering //.

F. Resin Panels: Acrylic sheet; // 13 mm (1/2 inch) // 16 mm (5/8 inch) // 19 mm (3/4 inch) // _____ // thick.

2.11 GLASS DOORS

SPEC WRITER NOTE: Retain swinging doors for smoke partitions and fire rated partitions.

A. Metal Framed Glass Doors: // Swinging // Sliding //.

1. Framing: // Aluminum // Steel //; 44 mm (1-3/4 inch) thick.

SPEC WRITER NOTE: All-glass doors are not acceptable for smoke partitions or fire rated partitions.

B. All-Glass Doors: // Swinging // Sliding // Slide stacking //.

1. Fittings: // Continuous rails // Patches //.
2. Cladding: // Aluminum // Stainless steel //.

SPEC WRITER NOTE: Retain manufacture's standard for sliding doors. Retain manufacturer's standard or Section 087100, DOOR HARDWARE for swinging doors.

C. Door Hardware: // Manufacturer's standard // See Section 08 71 00, DOOR HARDWARE //.

SPEC WRITER NOTE: Retain hinges or pivots for framed glass swinging doors. Retain pivots for all-glass swinging doors.

1. Swinging Doors: // Butt // Flag // hinges.
2. Swinging Doors: // Concealed, center hung // Exposed, offset hung // top and bottom pivots.
3. Sliding Doors: // Aluminum // Stainless steel // tracks with carriers and rollers, guides, and stops; adjustable height for leveling; anti-slam controlled closing function.
 - a. Mounting: // Exposed // Concealed //.
4. Pulls: // Square // Round //.
 - a. Material:
 - 1) Aluminum.
 - 2) Stainless steel.
 - b. Length: // 250 mm (10 inches) // Full height //.
 - c. Cross Section: // 18 mm (3/4 inch) // 25 mm (1 inch) //.
 - d. Mounting: Back-to-back.

SPEC WRITER NOTE: Retain seals when demountable partitions are STC rated, smoke partitions and fire rated partitions.

5. // Sound // Smoke // Fire and Smoke // Seals: See Section 087100, DOOR HARDWARE.
6. Remaining Hardware: See Section 087100, DOOR HARDWARE.

2.12 WOOD DOORS

SPEC WRITER NOTE: Retain swinging doors for smoke partitions and fire rated partitions.

- A. // Flush // Stile and Rail // Wood Doors: 1-3/4 inch // swinging // sliding //. See Section 08 14 00, INTERIOR WOOD DOORS.

SPEC WRITER NOTE: Retain finishes requirements, only when needed to clarify required types included in Section 08 14 00, INTERIOR WOOD DOORS.

- B. Finish:

SPEC WRITER NOTE: Retain one or more wood door finishes.

1. Match wood wall panels.

- 2. Shop primed.
- 3. Factory finished, transparent finish.
- 4. Plastic laminate.

SPEC WRITER NOTE: Retain manufacture's standard for sliding doors. Retain manufacturer's standard or Section 087100, DOOR HARDWARE for swinging doors.

C. Door Hardware: // Manufacturer's standard // See Section 087100, DOOR HARDWARE //.

- 1. Swinging Doors: // Butt // Flag // hinges.
- 2. Sliding Doors: // Aluminum // Stainless steel // tracks with carriers, rollers, guides, and stops; adjustable height for leveling; anti-slam controlled closing function.
 - a. Mounting: // Exposed // Concealed //.
- 3. Pulls: // Square // Round //.
 - a. Material:
 - 1) Aluminum.
 - 2) Stainless steel.
 - b. Length: // 250 mm (10 inches) // Full height //.
 - c. Cross Section: // 18 mm (3/4 inch) // 25 mm (1 inch) //.
 - d. Mounting: Back-to-back.

SPEC WRITER NOTE: Retain seals when demountable partitions are STC rated, smoke partitions and fire rated partitions.

4. // Sound // Smoke // Fire and Smoke // Seals: See Section 087100, DOOR HARDWARE.

5. Remaining Hardware: See Section 087100, DOOR HARDWARE.

2.13 DOORS FRAMES

A. Door Frames: // Aluminum // Steel // profile to suit partition framing and doors.

2.14 POWER AND COMMUNICATIONS SERVICES

A. Back Boxes and Wiring Devices: Recessed in partition framing or panels. See Division 26, ELECTRICAL.

- 1. Wall Plates: For each wiring device.

SPEC WRITER NOTE: Include available wiring systems such as quick connect or wiring trough as part of framing.

B. Raceways and Power Wiring: See Division 26, ELECTRICAL.

- C. Communications Wiring and Terminal Devices: See Division 27,
COMMUNICATIONS.

2.15 FABRICATION

- A. Fabricate demountable partitions for anchorage to floor // and ceiling // construction and assembly and disassembly with concealed fasteners without special tools.
1. Acoustic Seals: Provide framing perimeter continuous resilient seals.
- B. Factory assemble glazed // and opaque // unitized panels.
- C. Factory finish panel faces.
- D. Wiring Devices: Factory installed and wired to greatest extent possible.
- E. Wiring: Bundled and concealed within partition system.

2.16 FINISHES

- A. Steel Paint Finish:
1. Powder-Coat Finish: Manufacturer's standard two-coat finish system consisting of the following:
 - a. One coat primer.
 - b. One coat thermosetting topcoat.
 - c. Dry-film Thickness: 0.05 mm (2 mils) minimum.
 - d. Color: Refer to Section 09 06 00, SCHEDULE FOR FINISHES.
- B. Stainless Steel: NAAMM AMP 500; No. 4 polished finish.
- C. Stainless Steel: NAAMM AMP 500; No. 6 dull, satin finish.
- D. Stainless Steel: NAAMM AMP 500; No. 8 mirror finish.
- E. Aluminum Anodized Finish: NAAMM AMP 500.
1. Clear Anodized Finish: AA-C22A41; Class I Architectural, 0.018 mm (0.7 mil) thick.
 2. Color Anodized Finish: AA-C22A42 or AA-C22A44; Class I Architectural, 0.018 mm (0.7 mil) thick.
 3. Clear Anodized Finish: AA-C22A31; Class II Architectural, 0.01 mm (0.4 mil) thick.
 4. Color Anodized Finish: AA-C22A32 or AA-C22A34; Class II Architectural, 0.01 mm (0.4 mil) thick.
- F. Aluminum Paint Finish:
1. Powder-Coat Finish: Manufacturer's standard two-coat finish system consisting of the following:
 - a. One coat primer.
 - b. One coat thermosetting topcoat.

- c. Dry-film Thickness: 0.05 mm (2 mils) minimum.
- d. Color: Refer to Section 09 06 00, SCHEDULE FOR FINISHES.

G. Wood Finish:

- 1. Field Painted Finish: See Section 09 90 00, PAINTING.
- 2. Transparent Finished: AWI AWS // Custom // Premium // grade.
 - a. Finish System: System 11, catalyzed polyurethane.
 - b. Stain: // Not required // Refer to Section 09 06 00, SCHEDULE FOR FINISHES.

2.17 ACCESSORIES

- A. Channels and Brackets: Manufacturer's standard for supporting fixtures and fittings attached to demountable partition system.

SPEC WRITER NOTE: Retain glazing seals to permit easy reconfiguration. Retain glazing sealant for acoustic privacy.

- B. Glazing Seals: Rigid preformed translucent plastic.

- C. Glazing Sealant: Silicone; // translucent //. See Section 08 80 00, GLAZING.

SPEC WRITER NOTE: Retain barrier coating to separate dissimilar metals and to separate metals from cementitious materials.

- D. Barrier Coating: ASTM D1187/D1187M.

- E. Adhesives: Low -emitting, water based type recommended by adhered product manufacturer for each application.

- F. Fasteners: Type 304 stainless steel.

- G. Galvanizing Repair Paint: MPI No. 18.

- H. Touch-Up Paint: Match shop finish.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Verify interior finishes, including floor, ceiling, and wall finishes, are installed and ready for Government occupancy.
- B. Examine and verify substrate suitability for product installation.
- C. Protect existing construction and completed work from damage.
- D. Remove existing demountable partitions to permit reuse in new location.
 - 1. Store removed demountable partitions to prevent loss and damage from construction operations.
- E. Clean substrates. Remove contaminants capable of affecting subsequently installed product's performance.

- F. Apply barrier coating to aluminum surfaces in contact with // dissimilar metals // and cementitious materials // to minimum 0.7 mm (30 mils) dry film thickness.

3.2 INSTALLATION - GENERAL

- A. Install products according to manufacturer's instructions // and approved submittal drawings //.
 - 1. When manufacturer's instructions deviate from specifications, submit proposed resolution for Contracting Officer's Representative consideration.

3.3 INSTALLATION - FRAMING

- A. Assemble and erect framing members to minimize cutting, drilling and damaging perimeter construction.
- B. Install framing members straight and plumb, with horizontal lines level.
- C. Install seal to prevent light and sound transmission at connections to perimeter construction.

3.4 INSTALLATION - GLAZING

- A. Install glass panels securely into gasketed framing members without damaging glass.

3.5 INSTALLATION - PANELS

- A. Install panels with concealed fastening devices and pressure-fit components that do not mar floor, wall and ceiling surfaces.
- B. Install panels rigid, straight, and plumb, with horizontal lines level.

3.6 INSTALLATION - DOORS

- A. Hang doors plumb, level, and square to opening with uniform perimeter gap between door and frame.
- B. Adjust doors for smooth operation and ability to stand stationary at any position.

3.7 INSTALLATION - POWER AND COMMUNICATIONS

- A. Install power and communications wiring and wiring devices, according to manufacturer's instructions and requirements specified in Division 26, ELECTRICAL and Division 27, COMMUNICATIONS.

3.8 CLEANING

- A. Clean exposed surfaces. Remove contaminants and stains.

3.9 ADJUSTMENTS

- A. Touch up damaged factory finishes.
- B. Repair damaged partition finish and components and damaged floor, wall and ceiling finishes to the original conditions.

3.10 PROTECTION

- A. Protect demountable partitions from construction operations.
- B. Remove protective materials immediately before acceptance.

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