SECTION 10 23 26

MOVEABLE GLASS WALL SYSTEMS

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\*\* NOTE TO SPECIFIER \*\* Modernfold, Inc., operable and folding partitions.  
This section is based on the products of Modernfold, Inc., which is located at:  
215 W. New Road  
Greenfield, IN 46140  
Toll Free: (800) 869-9685  
Tel: (317) 468-670  
Email: [info@modernfold.com](mailto:info@modernfold.com)   
Web: https://www.modernfold.com/en-US#  
[ Click Here] for additional information.  
Modernfold, the industry leader for the movable wall segment, offers a range of products that involve cutting-edge technology and completely automated systems. Our products allow customers to rearrange an entire room's configuration with a simple push of a button. With automated panel systems and striking glass wall systems, we bring innovation, creativity, and vision to interior architectural design. Modernfold delivers the highest-quality, custom wall solutions from start to finish. Where others see only space, we see possibilities. Modernfold, a dormakaba Group company, provides innovative, reliable access and security as well as space division solutions in hotels, shops, sports facilities, airports, at home and in the office.

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Select the Glass Wall System(s) required for project and delete those not required.

* + 1. Individual glass panel partitions, manually operated, top supported, with electronically activated, top and bottom seals. (Acousti-Clear)
    2. Individual glass panel partitions, manually operated, top supported, and manually activated, with automatic top and bottom seals. (Acousti-Clear)
    3. Paired glass panel partitions, manually operated, top supported, and manually activated, with automatic top and bottom seals. (Acousti-Clear)
    4. Unitized demountable glass panel partitions. (Acousti-Clear)
    5. Individual glass panel partitions, manually operated, top supported, and manually activated, with automatic top and bottom rails. (Pureview) (Pureview Plus)
    6. Individual glass panel partitions, manually operated, top supported, and manually activated, with automatic top and bottom rails. (Pureview FSW-C) (Pureview Plus FSW-C)
    7. Paired hinged glass panel partitions, manually operated, top supported, with top and bottom rails. (Pureview) (Pureview Plus)
    8. Continuously hinged folding glass panels, manually operated, top supported, with top and bottom rails. (Pureview) (Pureview Plus)
    9. Individual glass panel partitions, manually operated, top supported, with top and bottom rails. (COMPACTLINE)
    10. Individual electrically glass panels, fully automated, top supported, with top and bottom rails. (COMPACTLINE with COMFORTDRIVE)
    11. Individual glass panel partitions, manually operated, top supported, with top and bottom rails. (DRS Series)
    12. Individual glass panel partitions, manually operated, top supported, with patch fittings for trolly mounts and lock functions. (HSW-GP)
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 03 30 00 - Cast-in-Place Concrete.
    2. Section 05 50 00 - Metal Fabrications.
    3. Section 06 10 00 - Rough Carpentry.
    4. Section 09 21 16.33 - Gypsum Board Area Separation Wall Assemblies.
    5. Section 09 21 16.33 - Gypsum Board Area Separation Wall Assemblies.
    6. Section 26 05 00 - Common Work Results for Electrical.
  1. REFERENCES
     1. American National Standards Institute (ANSI):
        1. ANSI Z97.1 - Safety Glazing Materials Used in Buildings.
     2. Americans with Disabilities Act (ADA).
     3. ASTM International (ASTM):
        1. ASTM C1036 - Standard Specification for Flat Glass.
        2. ASTM C1048 - Heat-Treated Flat Glass - Kind HS, Kind FT Coated and Uncoated Glass.
        3. ASTM E84 - Surface Burning Characteristics of Building Materials.
        4. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
        5. ASTM E413 - Classification for Rating Sound Insulation.
        6. ASTM E557 - Standard Practice for Architectural Application and Installation of Operable Partitions.
     4. Canadian Standards Association (CSA):
        1. CSA C22.2 No. 68 - Motorized Appliances.
     5. Consumer Product Safety Commission (CPSC):
        1. CPSC 16 CFR 1201 - Safety Standard for Architectural Glazing Materials.
     6. Health Product Declaration Collaborative:
        1. Health Product Declaration Open Standard v2.1.
     7. International Standards Organization (ISO):
        1. ISO 14021 - Environmental Labels and Declarations - Self-Declared Environmental Claims (Type II Environmental Labeling).
        2. ISO 14025:2011-10 - Environmental Labels and Declarations - Type III Environmental Declarations - Principles and Procedures.
        3. ISO 14040:2009-11 - Environmental Management - Life Cycle Assessment - Principles and Framework.
        4. ISO 14044:2006-10 - Environmental Management - Life Cycle Assessment - Requirements and Guidelines.
        5. ISO 21930 - Sustainability in Buildings and Civil Engineering Works - Core Rules for Environmental Product Declarations of Construction Products and Services.
     8. National Electrical Manufacturers Association (NEMA):
        1. NEMA LD3 - High Pressure Decorative Laminates.
     9. National Fire and Protection Agency (NFPA):
        1. NFPA 70 - National Electrical Code.
        2. NFPA 701-99 - Fire Tests for Flame-Resistant Textiles and Films.
     10. Underwriter Laboratories (UL):
         1. UL 962 - Household and Commercial Furnishings
  2. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data: Material descriptions, construction details, finishes, installation details, and operating instructions for each type of operable partition, component, and accessory specified.
     3. Shop Drawings: Show location and extent of operable partitions. Include plans, elevations, sections, details, attachments to other construction, and accessories. Indicate dimensions, weights, conditions at openings, and at storage areas, and required installation, storage, and operating clearances. Indicate location and installation requirements for hardware and track, including floor tolerances required and direction of travel. Indicate blocking to be provided by others.
     4. Setting Drawings: Show imbedded items and cutouts required in other work, including support beam punching template.
     5. Samples: Color samples demonstrating full range of finishes available. Verification samples shall be available in same thickness and material indicated for the work.
     6. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
        1. Reports: Provide a complete and unedited written sound test report indicating glass thickness and spacing in test specimen matches product as submitted.
     7. Health Product Declaration (HPD), Manufacturer Inventory, or other material health disclosure documentation. Products without an HPD or other disclosure documentation are not acceptable.
     8. Third party verified environmental product declarations (EPD's). Products without an EPD or other disclosure documentation are not acceptable.
     9. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic checking and maintenance of all components.
  3. QUALITY ASSURANCE
     1. The operable wall must be manufactured by a certified ISO-9001-2015 company or an equivalent quality control system.
     2. Installer Qualifications: Experienced installer, certified in writing by the operable partition manufacturer, as qualified to install the manufacturer's partition systems for work similar in material, design, and extent to that indicated for this Project.
     3. Acoustical Performance: Test operable partitions in an independent acoustical laboratory in accordance with ASTM E90 test procedure and classified in accordance with ASTM E413 to attain no less than the STC rating specified. Provide a complete and unedited written test report upon request.
  4. DELIVERY, STORAGE, AND HANDLING
     1. Clearly mark packages and panels with numbering systems used on Shop Drawings. Do not use permanent markings on panels.
     2. Protect panels during delivery, storage, and handling to comply with manufacturer's instructions and as required to prevent damage.
  5. WARRANTY
     1. Provide operable partition manufacturer's written warranty agreeing to repair or replace components with manufacturing defects for a period of two years.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Modernfold, Inc., which is located at:215 W. New Rd.Greenfield, IN 46140Toll Free Tel: 800-869-9685Tel: 317-468-6700Fax: 866-410-5016Email: [request info (info@modernfold.com)](https://arcat.com/rfi?action=email&company=Modernfold%252C%252BInc.&message=RE%253A%2520Spec%2520Question%2520(10660mod)%253A%2520&coid=34277&spec=10660mod&rep=&fax=866-410-5016);Web: <https://www.modernfold.com/en-US#>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
  1. GENERAL DESIGN REQUIREMENTS:

\*\* NOTE TO SPECIFIER \*\* Custom glass solutions are available. Contact manufacturer for more information.

* + 1. Movable Glass Wall Systems:
       1. Glass Panels:
          1. Glass Type: Clear.
          2. Glass Type: Frosted.
          3. Glass Type: Low-iron.
          4. Glass Type: Markerboard.
       2. Glass Panel Dimensions:
          1. Maximum Height: 120 (3048 mm).
          2. Maximum Panel Width: 48 inches (1219 mm).
          3. Maximum Panel Weight: 330 pounds (150 kg).

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. INDIVIDUAL GLASS PANEL PARTITIONS, MANUALLY OPERATED, TOP SUPPORTED, WITH ELECTRONICALLY ACTIVATED TOP AND BOTTOM SEALS (ACOUSTI-CLEAR)
     1. Single Panel Acousti-Clear Motorized Seal, manually operated and electronically activated operable partitions by Modernfold, Inc.
        1. Operation: Individual flat panels, manually operated, top supported with electrically-operated top and bottom seal.

\*\* NOTE TO SPECIFIER \*\* Delete final closure option not required.

* + - 1. Final Closure: Horizontally Expanding Panel Edge (Solid Panel) - panel edge shall operate electrically with push button activation. Hinged closure or closures requiring tools or cranks are not acceptable.
      2. Final Closure: Horizontally Expanding Jamb (Solid Panel) - jamb edge shall operate electrically with push button activation. Hinged closure or closures requiring tools or cranks are not acceptable.
      3. Pivot Panel: Glass panel.
         1. Hardware: Not Acceptable: Handle mounted in vertical rail.

Finish: Stainless-Steel Satin.

\*\* NOTE TO SPECIFIER \*\* Delete hardware options not required.

Non-locking Lever.

Locking Lever.

Non-locking Rail Handle.

Locking Rail Handle.

* + 1. Glass Panel Construction:
       1. Motorized seal.
       2. Panels: Thickness: 4 inch (100 mm). Widths: 48 inch (1220 mm).
          1. Horizontal and Vertical Framing Members: Mechanically fastened aluminum extrusions designed to minimize exposure on face of panels.
       3. Panel Faces: Mechanically fastened and sealed in frame.

\*\* NOTE TO SPECIFIER \*\* Delete clear glass option not required.

* + - * 1. Clear Glass: 5/16 inches (8 mm) on one face.
        2. Clear Glass: 3/8 inches (9.5 mm) on one face.
      1. Glass Type: Tempered, complying with ASTM C1036, ASTM C1048, CPSC 16 CFR 1201 Categories 1 and 2, and ANSI Z97.1.

\*\* NOTE TO SPECIFIER \*\* Delete glass finish 0options not required.

* + - 1. Glass Finish: Clear tempered.
      2. Glass Finish: Low-iron tempered.
      3. Glass Finish: Frosted tempered.
      4. Glass Finish: Clear tempered, high STC.
      5. Glass Finish: Low-iron tempered, high STC.
      6. Glass Finish: Frosted tempered, high STC.
      7. Glass Finish: MorphGlas: Acousti-Clear panel assembled with polymer dispersed liquid crystal glass using low-iron tempered glass and achieving UL certification. All comparable products without valid UL panel assembly certification are not acceptable.
         1. 45 STC only.
      8. Panel Trim: Pre-finished aluminum to protect edge of glass

\*\* NOTE TO SPECIFIER \*\* Delete trim finish options not required.

* + - * 1. Trim Finish: Clear anodized.
        2. Trim Finish: Satin stainless anodized.
        3. Trim Finish: White powder coat (RAL 9016).
        4. Trim Finish: Black powder coat (RAL 9004).
        5. Trim Finish: RAL "Classic" (Solids collection) powder coat available (Sherwin Williams' Powdura Super Durable TGIC Free Polyesters) provided in one of the following

Gloss Finish: 80 to 85 degrees gloss.

Satin Finish: 30 degrees gloss.

* + - 1. Acoustical ratings of panels with this construction achieve Sound Transmission Class of (see below) minimum STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413

\*\* NOTE TO SPECIFIER \*\* Delete STC options not required.

* + - * 1. STC: 5
        2. STC: 51 (not available with MorphGlas)
      1. UL Listing: UL 962 - Household and Commercial Furnishings; CSA C22.2 No. 68 - Motorized Appliances
    1. Solid Non-Glass Panels Construction:
       1. Motorized seal.
       2. Panels: Thickness: 4 inch (100 mm). Widths: 48 inch (1220 mm).
          1. Horizontal and Vertical framing members: Mechanically fastened aluminum extrusions.
       3. Panel Faces: 3/8 inches (9.5 mm) thick medium density fiberboard continuously bonded to aluminum panel frame.

\*\* NOTE TO SPECIFIER \*\* Delete panel finishes options not required.

* + - * 1. Panel Finishes: High pressure plastic laminate on MDF board.
        2. Panel Finishes: Wood veneer on MDF board.
        3. Panel Finishes: Full height steel or laminate markerboard.
        4. Panel Trim: No visible trim permitted.
        5. Acoustical ratings of panels with this construction achieve Sound Transmission Class of 50 minimum STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413.
        6. Certifications:

UL 962 - Household and Commercial Furnishings.

CSA C22.2 No. 68 - Motorized Appliances

* + 1. Panel Weights:

\*\* NOTE TO SPECIFIER \*\* Delete panels not required.

* + - 1. Glass Panel 45 STC: 10 lbs per sq ft.
      2. Glass Panel 51 STC: 11.5 lbs per sq ft.
      3. Classic/Solid Panel 50 STC: 10 lbs per sq ft.
    1. Sound Seals:
       1. Vertical Interlocking Sound Seals Between Panels: Extruded aluminum astragals with interlocking convex/concave resilient quad-lip gaskets.
          1. Not Acceptable: Rigid plastic astragals and gaskets on one panel edge.
       2. Horizontal Top and Bottom Seals: Modernfold ComforTronic seals.
       3. Operating Clearance: 7/8 inches (22 mm). Operating Range: +9/16 inches (14 mm) to -3/8 inch (9.5 mm). Seals operate electrically without tools or cranks and extend as panels are positioned.
       4. Not Acceptable: Fixed top or bottom seals or seals requiring cranks or tools for manual activation.
    2. Suspension System:

\*\* NOTE TO SPECIFIER \*\* Delete suspension system option not required.

* + - 1. G-330 Suspension System:
         1. Suspension Tracks: Extruded aluminum. Wall thickness: 0.235 inches (6 mm). Incorporate cast aluminum or mitered intersections, switches, and curves in stacking area. Alignment Pins: For track, intersections, switches, and curves insuring both fit and roller surface integrity.

Exposed Track Soffit: Factory-finished aluminum with white powder coat.

* + - * 1. Carriers:

Smart Track - Two stainless steel trolleys with vinyl roller surfaces, except Pivot Panel.

Trolley: Incorporates eight wheels of varying dimensions.

Automatic Indexing of Panels into Stack Area: By pre-programmed switches and trolleys. No electrical, pneumatic, or mechanical activation.

Right Angle Turn: Two stainless steel trolleys with vinyl roller surfaces.

Trolley: Incorporates eight wheels of varying dimensions that permit panels to traverse L, T, and X intersections without mechanical switching, on all panels except Pivot Panel.

* + - * 1. Warranty period: Two years.
      1. No. 17G Suspension System - Smart Track:
         1. Suspension Tracks: 0.12 inches (3 mm) roll-formed steel track. Direct mounts to a wood header or supported by adjustable steel hanger brackets supporting the load-bearing track surface. Connects to structural support by pairs of 3/8 inches (9.5 mm) diameter threaded steel rods.

Exposed Track Soffit: Steel, integral to track, and pre-painted off-white.

* + - * 1. Carriers: Two all-steel trolleys with steel ball-bearing wheels and vinyl tires except Pivot Panel.

Automatic Panel Indexing into Stack Area: By pre-programmed switches and trolleys without electrical, pneumatic, or mechanical activation.

* + - * 1. Warranty Period: Five years.
    1. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Pass Doors, Solid Panels:

\*\* NOTE TO SPECIFIER \*\* Delete door type not required.

* + - * 1. Door Type: Single Pass Doors: Matching pass door same thickness and appearance as panels. ADA-compliant pass door equipped with non-locking lever latch. No threshold will be permitted.
        2. Door Type: Double Pass Doors: Matching pass door same thickness and appearance as panels. No center post is permitted. Active leaf to be trimless and equipped with non-locking lever latch. In-active leaf to be trimless and with non-locking lever and friction latch. No threshold will be permitted.
        3. Hardware:

\*\* NOTE TO SPECIFIER \*\* Delete hardware options not required.

Panic hardware.

Locking lever latch.

Self-Illuminated exit signs:

Chemical exit sign - recess mount

Chemical exit sign - surface mount

Photo luminescent exit sign - surface mount

Butt hinges.

* + - 1. Pass Doors, Glass Panels:
         1. Single Pass Doors: Matching pass door same thickness and appearance as the panels. ADA-compliant pass door equipped with non-locking lever latch. No threshold will be permitted. Pass doors hinged or attached to adjacent panels are not permitted.
         2. Hardware:

\*\* NOTE TO SPECIFIER \*\* Delete hardware options not required.

Locking lever latch.

Self-Illuminated exit signs:

Chemical exit sign - recess mount

Chemical exit sign - surface mount

Photo luminescent exit sign - surface mount

Panic hardware.

Door closer.

Kick Plate: 10 inches (254 mm). Finish to match panel trim.

* + - 1. Motorized Privacy Shades by Draper:
         1. Shade Motor and Control System: 24V DC ST30 Dry Contact Motor - 24V DC quiet motor with dry contact for connection to third party control systems. Tubular motor concealed inside each shade roller tube. 2 Nm of torque.

Roller: Extruded aluminum or steel. Wall thickness and Material: Selected by manufacturer to accommodate shade size.

Roller Idler Assembly: Molded nylon and zinc-plated steel pin.

Sliding Pin: For installation and removal of roller.

Fabric adhered to roller tube with low surface energy double sided adhesive used to attach coated textiles to metal. Adhesive attachment eliminates horizontal impressions in fabric.

\*\* NOTE TO SPECIFIER \*\* Delete if opaque window shade is not required.

* + - * 1. Opaque Window Shade:

Fabric Retainer: Prevent disengagement of fabric from side channels due to normal variations of air pressure caused by doors opening, HVAC systems, and temperature differences between room and window well.

System: Horizontal steel stays installed in shade, covered with fabric, and spaced at regular intervals. Grommets installed through stays are held within groove of side channel chamber.

\*\* NOTE TO SPECIFIER \*\* Delete fabric option not required.

* + - * 1. Fabric: Light-Filtering: E Screen ME-05 Series by Mermet:

PVC coated fiberglass yarn woven in 2 x 2 basketweave. 0.016 inches thick. GREENGUARD Gold. Manufacturer to supply GREENGUARD Gold certificate.

Fire Rating: NFPA 701, both small and large scale tests; California U.S. Title 19. ME-05 Series: Avg. 5 percent open.

* + - * 1. Fabric: Room Darkening: SunBloc Series SB9000: Opaque

Close woven fiberglass base textile with sun-resistant vinyl film bonded to each side. Tensile strength of 190 pounds for warp and 180 pounds for fill.

Fire rating: NFPA 701 1006-Test 1. Washable and stain resistant. Wt. 12 oz/sq yd. Same color both sides, .015 inches thick.

* + - 1. Motorized Blinds:
         1. Fabrication: Aluminum slats suspended on nylon ladders.
         2. Installation: Install between panes of glass.
         3. Operation: Raising and tilt of slats to be electrically operated. Blinds in an operable partition must operate in unison.

Not Acceptable: Blinds requiring external handles or wands

* + - * 1. Control: Key switch.

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

* + - * 1. Finish: Breeze #0262.
        2. Finish: Black #0048.
        3. Finish: Alabaster #0002.
        4. Finish: Flex White #0885.
      1. Horizontal Mullions: Prefinished aluminum to match trim finish. Same appearance and thickness as panel frame/trim.
         1. Mot Acceptable: Plastic mullions and mullions attached to glass or panel face.
      2. Pocket Doors: Acousti-Seal Pocket Doors by Modernfold, Inc.

\*\* NOTE TO SPECIFIER \*\* Delete interfaces options not required.

* + - 1. Intersecting Partition Interface: Solid Panel, Classic: "L" Interface
      2. Intersecting Partition Interface: Solid Panel, Classic: "T" Interface
      3. Intersecting Partition Interface: Solid Panel, Classic: "X" Interface
      4. Intersecting Partition Interface: Glass Panel: "L" Post
      5. Intersecting Partition Interface: Glass Panel: "T" Post
      6. Intersecting Partition Interface: Glass Panel: "X" Post
      7. Intersecting Partition Interface: Glass Panel: 135 degree Angle Post
      8. Provide recessed, wall-mounted box for key switches, complete with satin-finished stainless-steel cover plate.
      9. Protector Series:
         1. Point of Location Emergency Line of Sight Deployment Activation:
         2. Deploys shades or blinds in closed position or transitions MorphGlas to opaque. Temporarily disables closure and seals. Initiates shade or blind deployment or transitions MorphGlas for point of location partition.
         3. Main Command Location, Emergency Line of Sight Deployment Activation: Deploys shades or blinds in closed position or transitions MorphGlas to opaque. Temporarily disables closure and seals. Initiates shade or blind deployment or transitions MorphGlas of all partitions in security group.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. INDIVIDUAL GLASS PANEL PARTITIONS, MANUALLY OPERATED, TOP SUPPORTED, AND MANUALLY ACTIVATED WITH AUTOMATIC TOP AND BOTTOM SEALS (ACOUSTI-CLEAR)
     1. Single Panel Acousti-Clear Automatic Seal manually operated partitions by Modernfold, Inc:
        1. Operation: Series of individual flat panels, manually operated, manually activated, top supported with automatic top and bottom seals.

\*\* NOTE TO SPECIFIER \*\* Delete final closure option not required.

* + - 1. Final Closure: Horizontally expanding panel edge with removable crank.
      2. Final Closure: Pivot Panel:
         1. Hardware: Stainless steel satin finish. Not acceptable: Handle mounted in vertical rail.

\*\* NOTE TO SPECIFIER \*\* Delete hardware options not required.

Non-locking Lever.

Locking Lever.

Locking rail handle.

* + 1. Panel Construction: Glass.
       1. Type: Acousti-Clear Automatic Seal - Glass Panel.
       2. Panel: 4 inch (100 mm) thick in manufacturer's standard 48 inches (1220 mm) widths. Horizontal and Vertical Framing Members: Mechanically fastened aluminum extrusions designed to minimize exposure on face of panels.

\*\* NOTE TO SPECIFIER \*\* Delete panel face option not required.

* + - 1. Panel Face: 5/16 inches (8 mm) clear glass on one face, mechanically fastened and sealed in frame.
      2. Panel Face: 3/8 inches (9.5 mm) clear glass on one face, mechanically fastened and sealed in frame.
      3. Glass Type: Tempered, complying with ASTM C1036, ASTM C1048, CPSC 16 CFR 1201 Categories 1 and 2, and ANSI Z97.1.

\*\* NOTE TO SPECIFIER \*\* Delete glass finish options not required.

* + - 1. Glass Finish: Clear tempered.
      2. Glass Finish: Low-iron tempered.
      3. Glass Finish: Frosted tempered.
      4. Glass Finish: Clear tempered high STC.
      5. Glass Finish: Low-iron tempered high STC.
      6. Glass Finish: Frosted tempered high STC.
      7. Panel Trim: Pre-finished aluminum to protect edge of glass.

\*\* NOTE TO SPECIFIER \*\* Delete trim finish options not required.

* + - * 1. Trim Finish: Clear Anodized
        2. Trim Finish: Satin Stainless Anodized
        3. Trim Finish: White Powder Coat (RAL 9016)
        4. Trim Finish: Black Powder Coat (RAL 9004)
        5. Trim Finish: RAL "Classic" (Solids collection) Powder Coat available (Sherwin Williams' Powdura Super Durable TGIC Free Polyesters) provided in one of the following (select one):

Gloss Finish: 80 to 85 degree gloss.

Satin Finish: 30 degree gloss.

* + - 1. Acoustical Rating of Panels: Construction achieves Sound Transmission Class of (see below) minimum STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413

\*\* NOTE TO SPECIFIER \*\* Delete STC option not required.

* + - * 1. STC: 45.
        2. STC: 51.
    1. Solid, Non-Glass Panels:
       1. Type: Acousti-Clear Automatic Seal - Solid Panel.
       2. Panel: 4 inches (100 mm) thick in manufacturer's standard 48 inches (1220 mm) width. Horizontal and Vertical Framing Members: Mechanically fastened aluminum extrusions designed to minimize exposure on panel face.
       3. Panel Face: 3/8 inches (9.5 mm) thick medium density fiberboard, mechanically fastened and sealed in frame.

\*\* NOTE TO SPECIFIER \*\* Delete panel finishes options not required.

* + - 1. Panel Finishes: High pressure plastic laminate on MDF board.
      2. Panel Finishes: Wood veneer on MDF board.
      3. Panel Finishes: Full height steel or laminate markerboard.
      4. Panel Trim: Pre-finished aluminum to protect panel edge.

\*\* NOTE TO SPECIFIER \*\* Delete trim finish options not required.

* + - * 1. Trim Finish: Clear Anodized.
        2. Trim Finish: Satin Stainless Anodized.
        3. Trim Finish: White Powder Coat (RAL 9016).
        4. Trim Finish: Black Powder Coat (RAL 9004).
        5. Trim Finish: RAL "Classic" (Solids collection) Powder Coat available (Sherwin Williams' Powdura Super Durable TGIC Free Polyesters) provided in one of the following (select one):

Gloss Finish: 80 to 85 degree gloss.

Satin Finish: 30 degree gloss.

* + - 1. Acoustical Ratings of Panels: Construction achieves Sound Transmission Class of 50 minimum STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413.
    1. Panel Weights:
       1. Glass Panel 45 STC: 10 lbs./square foot
       2. Glass Panel 51 STC: 11.5 lbs./square foot
       3. Solid Panel 50 STC: 10 lbs./square foot
    2. Sound Seals:
       1. Vertical Interlocking Sound Seals Between Panels: Extruded aluminum astragals with interlocking convex/concave resilient quad-lip gaskets.
          1. Not Acceptable: Rigid plastic astragals and gaskets on one panel edge.
       2. Horizontal Top and Bottom Seals: Seals operate automatically. No tools or cranks and extend as panels are positioned. Not Acceptable: Non-operating seals at top or bottom of panels.
          1. Operating Clearance: 7/8 inch (22 mm).
          2. Operating Range: +3/8 inch (9.5 mm) to -3/8 inch (9.5 mm).
    3. Suspension System:

\*\* NOTE TO SPECIFIER \*\* Delete suspension system not required.

* + - 1. G-330 Suspension System:
         1. Suspension Tracks: Extruded aluminum. Wall thickness: 0.235 inches (6 mm). Incorporate cast aluminum or mitered intersections, switches, and curves in stacking area. Alignment Pins: For track, intersections, switches, and curves insuring both fit and roller surface integrity.

Exposed Track Soffit: Factory-finished aluminum with white powder coat.

* + - * 1. Carriers:

Smart Track: Two stainless steel trolleys with vinyl roller surfaces except Pivot Panel.

Trolley Design: Eight wheels of varying dimensions.

Automatic Indexing of Panels into Stack Area: By pre-programmed switches and trolleys. No electrical, pneumatic, or mechanical activation.

Right Angle Turn: Two stainless steel trolleys with vinyl roller surfaces.

Trolley: Incorporates eight wheels of varying dimensions that permit panels to traverse L, T, and X intersections without mechanical switching, on all panels except Pivot Panel.

* + - * 1. Warranty period: Two years.
      1. No. 17G Suspension System - Smart Track:
         1. Suspension Tracks: 0.12 inches (3 mm) roll-formed steel track. Direct mounts to a wood header or supported by adjustable steel hanger brackets supporting load-bearing track surface. Connects to structural support by pairs of 3/8 inches (9.5 mm) diameter threaded steel rods.

Exposed Track Soffit: Steel, integral to track, and pre-painted off-white.

* + - * 1. Carriers: Two all-steel trolleys with steel ball-bearing wheels and vinyl tires except Pivot Panel.

Automatic Panel Indexing into Stack Area: By pre-programmed switches and trolleys without electrical, pneumatic, or mechanical activation.

* + - * 1. Warranty Period: Five years.
    1. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Pass Doors, Glass Panels:
         1. Single Pass Doors: Matching pass door same thickness and appearance as the panels. ADA-compliant pass door equipped with non-locking lever latch. No threshold will be permitted. Pass doors hinged or attached to adjacent panels are not permitted.
         2. Hardware:

\*\* NOTE TO SPECIFIER \*\* Delete hardware options not required.

Locking lever latch.

Self-Illuminated exit signs:

Chemical exit sign - recess mount.

Chemical exit sign - surface mount.

Photo luminescent exit sign - surface mount.

Panic hardware.

Door closer.

Kick Plate: 10 inches (254 mm). Finish to match panel trim.

* + - * 1. Horizontal Mullions: Prefinished aluminum to match trim finish. Same appearance and thickness as panel frame/trim.

Not Acceptable: Plastic mullions and mullions attached to glass or panel face.

* + - * 1. Pocket Doors: Acousti-Seal Pocket Doors by Modernfold, Inc.

\*\* NOTE TO SPECIFIER \*\* Delete interface options not required.

* + - * 1. Intersecting partition interface: "L" Post.
        2. Intersecting partition interface: "T" Post.
        3. Intersecting partition interface: "X" Post.

\*\* \*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. PAIRED GLASS PANEL PARTITIONS, MANUALLY OPERATED, TOP SUPPORTED, AND MANUALLY ACTIVATED, WITH AUTOMATIC TOP AND BOTTOM SEALS (ACOUSTI-CLEAR)
     1. Paired Panel Acousti-Clear Automatic Seal manually operated partitions by Modernfold, Inc,
        1. Operation: Series of paired flat panels hinged together in pairs, manually operated, manually activated, top supported with automatic top and bottom seals.

\*\* NOTE TO SPECIFIER \*\* Delete final closure option not required.

* + - 1. Final Closure: Horizontally expanding panel edge with removable crank.
      2. Final Closure: Pivot Panel (Glass Panel). Hardware: Stain stainless satin finish:

\*\* NOTE TO SPECIFIER \*\* Delete hardware options not required.

* + - * 1. Non-locking lever. Handle mounted in vertical rail not acceptable.
        2. Locking lever. Handle mounted in vertical rail not acceptable)
        3. Non-locking rail handle.
        4. Locking rail handle.
    1. Panel Construction: Acousti-Clear Automatic Seal - Glass Panel.
       1. Panel: 4 inches (100 mm) thick in manufacturer's standard 48 inches (1220 mm) width. Horizontal and Vertical Framing Members: Fabricated mechanically fastened aluminum extrusions designed to minimize exposure on panel face.

\*\* NOTE TO SPECIFIER \*\* Delete panel face option not required.

* + - 1. Panel Face: 5/16 inches (8 mm) clear glass on one face, mechanically fastened and sealed in frame.
      2. Panel Face: 3/8 inches (9.5 mm) clear glass on one face, mechanically fastened and sealed in frame.
      3. Glass Type: Tempered, complying with ASTM C1036, ASTM C1048, CPSC 16 CFR 1201 Categories 1 and 2, and ANSI Z97.1.

\*\* NOTE TO SPECIFIER \*\* Delete glass finish options not required.

* + - 1. Glass Finish: Clear tempered.
      2. Glass Finish: Low-iron tempered.
      3. Glass Finish: Frosted tempered.
      4. Glass Finish: Clear tempered high STC.
      5. Glass Finish: Low-iron tempered high STC.
      6. Glass Finish: Frosted tempered high STC.
      7. Panel Trim: Pre-finished aluminum to protect edge of glass.

\*\* NOTE TO SPECIFIER \*\* Delete trim finish options not required.

* + - * 1. Trim Finish: Clear Anodized
        2. Trim Finish: Satin Stainless Anodized
        3. Trim Finish: White Powder Coat (RAL 9016)
        4. Trim Finish: Black Powder Coat (RAL 9004)
        5. Trim Finish: RAL "Classic" (Solids collection) Powder Coat available (Sherwin Williams' Powdura Super Durable TGIC Free Polyesters) provided in one of the following (select one):

Gloss Finish: 80 to 85 degree gloss.

Satin Finish: 30 degree gloss.

* + - 1. Acoustical Rating of Panels: Construction achieves Sound Transmission Class of (see below) minimum STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413

\*\* NOTE TO SPECIFIER \*\* Delete STC option not required.

* + - * 1. STC: 45.
        2. STC: 51.
    1. Solid Non-Glass Panels:
       1. Type: Acousti-Clear Motorized Seal - Classic Panel.
       2. Panels: Thickness: 4 inch (100 mm). Widths: 48 inch (1220 mm).
          1. Horizontal and Vertical framing members: Mechanically fastened aluminum extrusions.
       3. Panel Faces: 3/8 inches (9.5 mm) thick medium density fiberboard continuously bonded to aluminum panel frame.

\*\* NOTE TO SPECIFIER \*\* Delete panel finishes options not required.

* + - 1. Panel Finishes: High pressure plastic laminate on MDF board.
      2. Panel Finishes: Wood veneer on MDF board.
      3. Panel Finishes: Full height steel or laminate markerboard.
      4. Panel Trim: Pre-finished aluminum to protect panel edge.

\*\* NOTE TO SPECIFIER \*\* Delete trim finish options not required.

* + - * 1. Trim Finish: Clear Anodized.
        2. Trim Finish: Satin Stainless Anodized.
        3. Trim Finish: White Powder Coat (RAL 9016).
        4. Trim Finish: Black Powder Coat (RAL 9004).
        5. Trim Finish: RAL "Classic" (Solids collection) Powder Coat available (Sherwin Williams' Powdura Super Durable TGIC Free Polyesters) provided in one of the following (select one):

Gloss Finish: 80 to 85 degree gloss.

Satin Finish: 30 degree gloss.

* + - 1. Acoustical Ratings of Panels: Construction achieves Sound Transmission Class of 50 minimum STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413.
    1. Panel Weights:

\*\* NOTE TO SPECIFIER \*\* Delete panels not required.

* + - 1. Glass Panel 45 STC: 10 lbs per sq ft.
      2. Glass Panel 51 STC: 11.5 lbs per sq ft.
      3. Classic/Solid Panel 50 STC: 10 lbs per sq ft.
    1. Sound Seals:
       1. Vertical Interlocking Sound Seals Between Panels: Extruded aluminum astragals with interlocking convex/concave resilient quad-lip gaskets.
          1. Not Acceptable: Rigid plastic astragals and gaskets on one panel edge.
       2. Horizontal Top and Bottom Seals: Seals operate automatically. No tools or cranks and extend as panels are positioned. Not Acceptable: Non-operating seals at top or bottom of panels.
          1. Operating Clearance: 7/8 inch (22 mm).
          2. Operating Range: +3/8 inch (9.5 mm) to -3/8 inch (9.5 mm).
    2. Panel Hinges: 3/8 inches (9.5 mm) diameter full leaf butt hinges, attached directly to panel frame with hinge anchor plates within panel to further support hinge mounting to frame. Lifetime warranty on hinges.
       1. Not Acceptable: 1/4 inches (6 mm) diameter hinges or hinges mounted into panel edge or vertical astragal.
    3. Suspension System:

\*\* NOTE TO SPECIFIER \*\* Delete suspension system not required. G330 System is available with a 2 Year limited warranty; #17 System is available with a 5 Year limited warranty.

* + - 1. G-330 Suspension System:
         1. Suspension Tracks: Extruded aluminum. Wall Thickness: 0.235 inches (6 mm). Can be direct mounted to wood headers or supported by adjustable steel hanger brackets. Connects to structural support by pairs of 3/8 inches (9.5 mm) threaded steel rods. Track alignment pins ensure fit and roller surface integrity.

Exposed Track Soffit: Factory-finished aluminum with white powder coat.

* + - * 1. Carriers: One stainless steel trolley with vinyl roller surfaces per panel, except Pivot Panel.
      1. No. 17G Suspension System.
         1. Suspension Tracks: 0.12 inches (3 mm) roll-formed steel track. Direct mounted to a wood headers or supported by adjustable steel hanger brackets supporting load-bearing track surface. Connects to structural support by pairs of 3/8 inches (9.5 mm) threaded steel rods.

Exposed Track Soffit: Steel, integral to track, and pre-painted off-white.

* + - * 1. Carriers: One all-steel trolley with steel ball-bearing wheels and vinyl tires per panel, except Pivot Panel.
      1. Warranty period: Five years.
    1. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Pass Doors (Glass Panel):
         1. Single Pass Door Solid Pane: Fabrication same as solid (non-glass) panels. ADA compliant pass door with non-locking lever latch. Threshold is not permitted.
         2. Hardware:

\*\* NOTE TO SPECIFIER \*\* Select hardware required and delete those not required.

Locking lever latch.

Self-Illuminated exit signs:

Chemical exit sign - recess mount.

Chemical exit sign - surface mount.

Photo luminescent exit sign - surface mount.

Panic hardware.

Door closer.

Kick Plate: 10 inches (254 mm), Finish to match panel trim.

* + - 1. Horizontal Mullions: Prefinished aluminum to match trim finish. Same appearance and thickness as panel frame/trim. Not Acceptable: Plastic mullions and mullions attached to glass or panel face.
      2. Pocket Doors: Acousti-Seal Pocket Doors by Modernfold, Inc.

. \*\* NOTE TO SPECIFIER \*\* Delete interface not required.

* + - 1. Intersecting Partition Interface: "L" Post.
      2. Intersecting Partition Interface: "T" Post.
      3. Intersecting Partition Interface: "X" Post.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. UNITIZED DEMOUNTABLE GLASS PANEL PARTITIONS (ACOUSTI-CLEAR)
     1. Acousti-Clear Demountable, Unitized Glass Panel Partitions by Modernfold, Inc.
     2. Glass Panels: Acousti-Clear Demountable Glass Panels.
        1. Panel: 4 inch (100 mm) thick in 48 inch (1220 mm) widths.
           1. Horizontal and Vertical Framing Members: Mechanically fastened aluminum extrusions designed to minimize exposure on panel face.
        2. Panel Face: Mechanically fastened and sealed in frame.
           1. Clear Glass: 5/16 inch (8 mm) on one face.
           2. Clear Glass: 3/8 inch (9.5 mm) on one face.
        3. Glass Type: Tempered, complying with ASTM C1036, ASTM C1048, CPSC 16 CFR 1201 Categories 1 and 2, and ANSI Z97.1.

\*\* NOTE TO SPECIFIER \*\* Delete glass finish options not required.

* + - 1. Glass Finish: Clear tempered.
      2. Glass Finish: Low-iron tempered.
      3. Glass Finish: Frosted tempered.
      4. Glass Finish: Clear tempered high STC.
      5. Glass Finish: Low-iron tempered high STC.
      6. Glass Finish: Frosted tempered high STC.
      7. Panel Trim: Pre-finished aluminum to protect glass edge.

\*\* NOTE TO SPECIFIER \*\* Delete trim finish options not required.

* + - * 1. Trim Finish: Clear Anodized.
        2. Trim Finish: Satin Stainless Anodized.
        3. Trim Finish: White Powder Coat (RAL 9016).
        4. Trim Finish: Black Powder Coat (RAL 9004).
        5. Trim Finish: RAL "Classic" (Solids collection) Powder Coat available (Sherwin Williams' Powdura Super Durable TGIC Free Polyesters) provided in one of the following:

Gloss Finish: 80 to 85 degree gloss.

Satin Finish: 30 degree gloss.

* + - 1. Acoustical ratings of panels with this construction achieve Sound Transmission Class of (see below) minimum STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413.

\*\* NOTE TO SPECIFIER \*\* Delete STC option not required.

* + - * 1. STC: 45.
        2. STC: 51.
    1. Solid Non-Glass Panels: Acousti-Clear Demountable Solid Panel.
       1. Panels: 4 inches (100 mm) thick in 48 inch (1220 mm) widths.
          1. Horizontal and Vertical Framing Members: Mechanically fastened aluminum extrusions designed to minimize exposure on panel face.
       2. Panel Faces: 3/8 inches (9.5 mm) thick medium density fiberboard, mechanically fastened and sealed in frame.

\*\* NOTE TO SPECIFIER \*\* Delete panel finishes options not required.

* + - 1. Panel Finishes: High pressure plastic laminate on MDF board.
      2. Panel Finishes: Wood veneer on MDF board.
      3. Panel Finishes: Full height steel or laminate markerboard.
      4. Panel Trim: Pre-finished aluminum to protect glass edge.

\*\* NOTE TO SPECIFIER \*\* Delete trim finish options not required.

* + - * 1. Trim Finish: Clear Anodized.
        2. Trim Finish: Satin Stainless Anodized.
        3. Trim Finish: White Powder Coat (RAL 9016).
        4. Trim Finish: Black Powder Coat (RAL 9004).
        5. Trim Finish: RAL "Classic" (Solids collection) Powder Coat available (Sherwin Williams' Powdura Super Durable TGIC Free Polyesters) provided in one of the following

Gloss Finish: 80 to 85 degree gloss.

Satin Finish: 30 degree gloss.

* + - 1. Acoustical ratings of panels with this construction achieve Sound Transmission Class of 50 minimum STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413.
    1. Panel Weights:
       1. Glass Panel 45 STC: 10 lbs per sq ft.
       2. Glass Panel 51 STC: 11.5 lbs per sq ft.
       3. Solid Panel 50 STC: 10 lbs per sq ft.
    2. Sound Seals:
       1. Vertical Interlocking Sound Seals Between Panels: Extruded aluminum astragals with interlocking convex/concave resilient quad-lip gaskets.
          1. Not Acceptable: Rigid plastic astragals and gaskets on only one panel edge
       2. Horizontal Top and Bottom Seals: Adjustable providing 7/8 inch (22 mm) clearance with a range of +9/16 inch (14 mm) to -3/8 inches (9.5 mm).
          1. Not Acceptable: Fixed, non-adjusting, seals at top or bottom of panels.

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + 1. Options:
       1. Pivot Panel: Glass or Solid.
          1. Hardware: Stainless-Steel Satin Finish. Not Acceptable: Handle mounted in vertical rail.

\*\* NOTE TO SPECIFIER \*\* Select one. Delete remaining options not required.

Non-locking Lever.

Locking Lever.

Non-locking Rail Handle.

Locking Rail Handle.

* + - 1. Horizontal Mullions: Not Acceptable: Plastic mullions and mullions attached to glass or panel face.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

* + - * 1. Finish: Prefinished aluminum to match trim finish.
        2. Finish Same appearance and thickness as panel frame/trim.

\*\* NOTE TO SPECIFIER \*\* Delete interface options not required.

* + - 1. Intersecting Partition Interface: "L" Post.
      2. Intersecting Partition Interface: "T" Post.
      3. Intersecting Partition Interface: "X" Post.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. INDIVIDUAL GLASS PANEL PARTITIONS, MANUALLY OPERATED, TOP SUPPORTED, WITH TOP AND BOTTOM RAILS (PUREVIEW) (PUREVIEW PLUS)
     1. Modernfold Glass Wall: Model PureView Single Panel with 4-1/8 inches (105 mm) square top and bottom rails.
     2. Modernfold Glass Wall Model PureView Plus: Single panel with 4-1/8 inch (105 mm) square top and bottom rails and 1-3/4 inches (45 mm) carrier profile.
     3. Operation: Manually operated and top-supported series of individual glass panels. Panels use two-piece, clamp-on top and bottom rail that fastens together from alternating sides.

\*\* NOTE TO SPECIFIER \*\* Delete final closure options not required. The final option is not available for fully framed systems.

* + - 1. Final Closure: Pivot panel.
      2. Final Closure: Standard intermediate panel ending within storage pocket, or at face of storage pocket.
      3. Final Closure: Standard intermediate panel with hinged flap panel.
    1. Construction:
       1. Top reinforcement as required to support panel from suspension components and provide reinforcement for hardware attachment. Fabricate panels with concealed fasteners. Finished in-place partition shall be rigid, level, plumb, aligned with uniform joints and appearance, free of bow, warp, twist, deformation, and surface and finish irregularities.
       2. Dimensions: Fabricate operable glass panel partitions with manufacturer's standard panel sizes to form an assembled system of dimensions indicated on Drawings and verified by field measurements.
          1. Maximum panel width: 48 inches (1219 mm).
          2. Standard rail thickness: 1-9/16 inches (40 mm).
       3. Top and Bottom Rails: Continuous two-piece assemblies with removable end caps. Rails fasten together from alternate sides of partition allowing for field adjustment to job site conditions. Snap-on covers are furnished to facilitate installation.
       4. Horizontal Top and Bottom Seals: Continuous contact vinyl seals without the need for mechanically operated parts.
       5. Bottom Rail Locking System: Engage adjacent panels by use of interlocking floor bolts to stabilize panels from movement in all directions.
          1. Equip a minimum of one end panel with a brass, mortised lock allowing for cylinder and/or thumb turn operation. Round bolts engage eccentric bushing floor strikes for security.
          2. Pivot panels to have mortised cylinder with key and thumb turn.
          3. Intermediate panels to have interconnecting floor bolts.
          4. Lead panels to have mortised cylinder with thumb turn.

\*\* NOTE TO SPECIFIER \*\* Fully frames is optional. Delete if not required.

* + - 1. Fully Framed: Extruded aluminum vertical stiles measuring 1-9/16 inch (40 mm) by 3/4 inch (19 mm) with a minimum wall thickness of 3/64 inches (1.2 mm). Vertical stile shall have integral channel to accept Dri-Fit Gasket on any surface that contacts glass. Stile shall have an exterior integral channel capable of accepting vinyl gasket. Stile shall be continuous and run the entire length of the panel covering both rails and glass edge. Stile mechanically fastened to both top and bottom rails. Silicone applied stiles are not acceptable.
      2. Acoustical ratings of panels with this construction achieve Sound Transmission Class of (see below) minimum STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413:

\*\* NOTE TO SPECIFIER \*\* Delete STC options not required.

* + - * 1. STC: 15.
        2. STC - Fully Framed: 33.
        3. STC - Fully Framed: 35.
        4. STC - Fully Framed: 37.
    1. Materials:
       1. Aluminum: Alloy and temper recommended by aluminum producer and finisher for type of use, corrosion resistance, and finish indicated; ASTM B221 (ASTM B221M) for extrusions; manufacturer's standard strengths and thicknesses for type of use.
       2. Glass Type: Tempered, 1/2 inches (25 mm) complying with safety standards specified in ANSI Z97.1 CPSC16, CFR1201, ASTM C1036 and ASTM C1048.

\*\* NOTE TO SPECIFIER \*\* Delete glass finish options not required.

* + - 1. Glass Finish: Clear tempered.
      2. Glass Finish: Frosted tempered.
      3. Glass Finish: Low iron tempered.
      4. Glass Finish: Low iron frosted tempered.
      5. Glass Finish: Laminated clear tempered.
      6. Glass Finish: Laminated "Markerboard" low iron tempered "Polar White."
      7. Glass Finish: Laminated clear tempered high STC.
      8. Glass Finish: Laminated frosted tempered high STC.
      9. Glass Finish: Laminated low iron tempered high STC.
      10. Glass Finish: Laminated low iron frosted tempered high STC.
      11. Glass Finish: Laminated "Markerboard" low iron tempered "Polar White" high STC.
      12. Panel Weight: 7.5 lbs per sq ft.
    1. Panel Finishes: Provide top and bottom rails with one of the following finishes:

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

* + - 1. Finish: Clear anodized aluminum.
      2. Finish: Dark Bronze anodized aluminum.
      3. Finish: Black anodized aluminum.
      4. Finish: Satin stainless anodized aluminum.
      5. Finish: White Powder Coat (RAL 9016).
      6. Finish: Black Powder Coat (RAL 9004).
      7. Finish: RAL "Classic" (Solids collection) Powder Coat available (Sherwin Williams' Powdura Super Durable TGIC Free Polyesters) provided in one of the following.
         1. Gloss Finish: 80 to 85 degree gloss.
         2. Satin Finish: 30 degree gloss.
    1. Suspension System:
       1. G-330 Suspension System "Smart Track"
          1. Suspension Tracks: Extruded aluminum. Wall Thickness: 0.235 inches (6 mm). Incorporate cast aluminum or mitered intersections, switches, and curves in stacking area. Alignment pins for track, intersections, switches, and curves insuring both fit and roller surface integrity.

Exposed Track Soffit: Factory-finished aluminum. White powder coat.

* + - * 1. Carriers: Two stainless steel trolleys with vinyl roller surfaces. Trolley: incorporates eight wheels of varying dimensions. Automatic Indexing of Panels into Stack Area: By pre-programmed switches and trolleys without electrical, pneumatic, or mechanical activation.
        2. Warranty period: Two years.
    1. Options

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Pass Doors: Sliding Swing Door: Top hung operating swing door, rail heights to match partition rails providing uniform appearance.
         1. Automatic door closer.
         2. Door pulls back-to-back.
         3. Tubular Pull: 12 inch (305 mm).
         4. Ladder Pull: Manet 1240 mm.
         5. Locking Ladder Pull: TG-138 49 inch.

Mortise cylinder floor locks.

* + - 1. Door pulls back-to-back: Pivot panel.
         1. Tubular Pull: 12 inch (305 mm).
         2. Ladder Pull: Manet 1240 mm.
         3. Locking Ladder Pull: TG-138 49 inch.
      2. Automatic Door Closer: Pivot panel.
         1. Floor Closer: BTS80.
         2. Ceiling Closer: RTS88.
      3. Intersecting Partition Interface: 90 degree corner post.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. INDIVIDUAL GLASS PANEL PARTITIONS. MANUALLY OPERATED. TOP-SUPPORTED, WITH TOP AND BOTTOM RAILS (PUREVIEW FSW-C) (PUREVIEW PLUS FSW-C)

\*\* NOTE TO SPECIFIER \*\* Delete glass wall options not required.

* + 1. Modernfold Glass Wall: Model Purview FSW-C. 4-1/8 inch (105 mm) square top and bottom rails.
    2. Modernfold Glass Wall: Model PureView Plus FSW-C. 4-1/8 inches (105mm) square top and bottom rails and 1-3/4 inches (45mm) carrier profile.
    3. Operation: Manually operated and top-supported series of individual glass panels with two-piece, clamp-on top and bottom rails that fastens together from alternating sides.

\*\* NOTE TO SPECIFIER \*\* Delete final closure system options not required.

* + - 1. Final Closure: Panel System: 3 to 8 panels.
      2. Final Closure: Single system. RH or LH.
      3. Final Closure: Paired system. Two units; one RH and one LH.
      4. Final Closure: Lead pivot panel.
    1. Construction:
       1. Top Reinforcement: As required to support panel from suspension components and reinforce for hardware attachment. Fabricate with concealed fasteners.
          1. Finished In-Place Partition: Rigid, level, plumb, aligned with uniform joints. Free of bow, warp, twist, deformation, surface, and finish irregularities.
       2. Fabricate operable glass panel partitions with manufacturer's panel sizes. Form an assembled system to dimensions indicated on Drawings and verified by field measurements. Panel Width: 39 inches (991 mm) maximum.
          1. Rail Thickness: 1-9/16 inches (40 mm).
       3. Top and Bottom Rails: Continuous two-piece assemblies with removable end caps. Rails fasten together from alternate sides of partition allowing for field adjustment to job site conditions. Snap-On Covers: Furnished to facilitate installation.
       4. Horizontal Top and Bottom Seals: Continuous contact vinyl seals without need for mechanically operated parts.
       5. Bottom Rail Locking System: Engage floor using thumb turn operated floor bolts to stabilize panels from movement in all directions.
          1. Lead Panel: Equip with mortised cylinder, key, and thumb turn operated floor bolt. Round bolt engages eccentric bushing floor strike for security.
          2. Intermediate Panels: Thumb turn operated floor bolt.
          3. Pivot Panels: Mortised cylinder with key and thumb turn.
       6. Hinges for Panels: Butt hinges attached to top and bottom rail.
       7. Acoustical Ratings of Panels: Achieve Sound Transmission Class of 15 STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413.
    2. Materials: Manufacturer's standard strengths and thicknesses for type of use.
       1. Aluminum: Alloy and temper recommended by aluminum producer and finisher for type of use, corrosion resistance, and finish indicated; ASTM B221 (ASTM B221M) for extrusions.
       2. Glass Type: Tempered, 1/2 inch (12.7 mm) complying with safety standards specified in ANSI Z97.1 CPSC16, CFR1201, ASTM C1036 and ASTM C1048.

\*\* NOTE TO SPECIFIER \*\* Delete glass finish options not required.

* + - * 1. Glass Finish: Clear tempered
        2. Glass Finish: Frosted tempered
        3. Glass Finish: Low iron tempered
        4. Glass Finish: Low iron frosted tempered
        5. Glass Finish: Laminated clear tempered
        6. Glass Finish: Laminated "Markerboard" low iron tempered "Polar White"
      1. Panel Weight: 7.5 lbs per sq ft.
    1. Panel Finishes: Provide top and bottom rails with one of the following finishes:

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

* + - 1. Finish: Clear anodized aluminum.
      2. Finish: Dark Bronze anodized aluminum.
      3. Finish: Black anodized aluminum.
      4. Finish: Satin stainless anodized aluminum.
      5. Finish: White Powder Coat (RAL 9016).
      6. Finish: Black Powder Coat (RAL 9004).
      7. Finish: RAL "Classic" (Solids collection) Powder Coat available (Sherwin Williams' Powdura Super Durable TGIC Free Polyesters) provided in one of the following.
         1. Gloss Finish: 80 to 85 degree gloss.
         2. Satin Finish: 30 degree gloss.
    1. Suspension System: G-330 Suspension System "Smart Track"
       1. Suspension Tracks: Extruded aluminum. Wall Thickness: 0.235 inches (6 mm).
       2. Cast aluminum or mitered intersections, switches, and curves in stacking area.
       3. Alignment pins for track, intersections, switches, and curves ensure fit and roller surface integrity.
       4. Exposed Track Soffit: Factory finished aluminum with white powder coat.
       5. Carriers: Two stainless steel trolleys with vinyl roller surfaces. Eight (8) wheels of varying dimensions. Automatic Panel Indexing into Stack Area: Pre-programmed switches and trolleys without electrical, pneumatic, or mechanical activation.
       6. Warranty period: Two (2) years.
    2. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Door Pulls Back-to-Back: For pivot panels
         1. Tubular Pull: 12 inches (305 mm).
         2. Ladder pull: Manet 1240 mm.
         3. 8i7Ladder Pull: TG-138 49 inch ( mm) locking.

Mortise cylinder floor locks.

* + - 1. Automatic Door Closer: For pivot panels
         1. Floor Closer: BTS80.
         2. Ceiling Closer: RTS88.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. PAIRED HINGED GLASS PANEL PARTITIONS, MANUALLY OPERATED, TOP SUPPORTED, WITH TOP AND BOTTOM RAILS (PUREVIEW) (PUREVIEW PLUS)

\*\* NOTE TO SPECIFIER \*\* Delete glass wall options not required.

* + 1. Modernfold Glass Wall: Model PureView Paired Panel: 4-1/8 inches (105 mm) square top and bottom rails.
    2. Modernfold Glass Wall: Model PureView Plus Paired Panel: 4-1/8 inches (105 mm) square top and bottom rails and 1-3/4 inch (45 mm) carrier profile.
    3. Operation: Series of paired glass panels hinged together in pairs. Manually operated and top-supported. Panels use two-piece, clamp-on top and bottom rail that fasten together from alternating sides.

\*\* NOTE TO SPECIFIER \*\* Delete final closure options not required.

* + - 1. Final Closure: Pivot panel.
      2. Final Closure: Standard intermediate panel ending within storage pocket, or at face of storage pocket.
    1. Construction:
       1. Top reinforcement as required to support panel from suspension components. Provide reinforcement for hardware attachment. Fabricate panels with concealed fasteners. Finished in-place partition to be rigid, level, plumb, aligned with uniform joints and appearance, free of bow, warp, twist, deformation, and surface and finish irregularities.
       2. Dimensions: Fabricate operable glass panel partitions with manufacturer's standard panel sizes to form an assembled system of dimensions indicated on Drawings and verified by field measurements.
          1. Maximum panel width: 48 inches (1219 mm)
          2. Standard rail thickness: 1-9/16 inches (40 mm)
       3. Top and Bottom Rails: Continuous two-piece assemblies with removable end caps. Rails fasten together from alternate sides of partition allowing for field adjustment to job site conditions. Snap-on covers are furnished to facilitate installation.
       4. Horizontal Top and Bottom Seals: Continuous contact vinyl seals without the need for mechanically operated parts.
       5. Bottom Rail Locking System: Engage floor by use of thumb turn operated floor bolts to stabilize panels from movement in all directions.
          1. Equip a minimum of one end panel with a brass, mortised lock allowing for cylinder and/or thumb turn operation. Round bolts engage eccentric bushing floor strikes for security.
          2. Pivot panels to have mortised cylinder with key and thumb turn.
          3. Intermediate panels to have interconnecting floor bolts.
          4. Lead panels to have mortised cylinder with thumb turn.
       6. Hinges for Panels: Butt hinges attached to top and bottom rail.
       7. Acoustical ratings of panels with this construction achieve Sound Transmission Class of 15 STC minimum STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413.
    2. Materials:
       1. Aluminum: Alloy and temper recommended by aluminum producer and finisher for type of use, corrosion resistance, and finish indicated; ASTM B221 (ASTM B221M) for extrusions; manufacturer's standard strengths and thicknesses for type of use.
       2. Glass Type: Tempered, 1/2 inches (25 mm) complying with safety standards specified in ANSI Z97.1 CPSC16, CFR1201, ASTM C1036 and ASTM C1048.

\*\* NOTE TO SPECIFIER \*\* Delete glass finish options not required.

* + - 1. Glass Finish: Clear tempered.
      2. Glass Finish: Frosted tempered.
      3. Glass Finish: Low iron tempered.
      4. Glass Finish: Low iron frosted tempered.
      5. Glass Finish: Laminated clear tempered.
      6. Glass Finish: Laminated "Markerboard" low iron tempered "Polar White."
      7. Panel weight: 7.5 lbs per sq ft.
    1. Panel Finishes:
       1. Top and bottom rails with one of the following finishes:

\*\* NOTE TO SPECIFIER \*\* Delete rail finish options not required.

* + - * 1. Rail Finish: Clear anodized aluminum.
        2. Rail Finish: Dark Bronze anodized aluminum.
        3. Rail Finish: Black anodized aluminum.
        4. Rail Finish: Satin stainless anodized aluminum.
        5. Rail Finish: White Powder Coat (RAL 9016).
        6. Rail Finish: Black Powder Coat (RAL 9004).
        7. Rail Finish: RAL "Classic" (Solids collection) Powder Coat available (Sherwin Williams' Powdura Super Durable TGIC Free Polyesters) provided in one of the following (select one):

Gloss Finish: 80 to 85 degrees gloss.

Satin Finish: 30 degrees gloss.

* + 1. Suspension System: G-330 Suspension System "Smart Track."
       1. Suspension Tracks: Extruded aluminum. Wall Thickness: 0.235 inches (6 mm). Incorporate cast aluminum or mitered intersections, switches, and curves in stacking area. Provide alignment pins for track, intersections, switches, and curves insuring both fit and roller surface integrity.
          1. Exposed track soffit: Factory-finished aluminum with white powder coat.
       2. Carriers: Two stainless steel trolleys with vinyl roller surfaces. Trolley design incorporates eight wheels of varying dimensions. Automatic indexing of panels into stack area is provided by pre-programmed switches and trolleys without electrical, pneumatic, or mechanical activation.
       3. Warranty period: Two years.
    2. Gfvvvvvvvvn n Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Door pulls back-to-back: Pivot panel.
         1. Tubular Pull: 12 inch (305 mm).
         2. Ladder Pull: Manet 1240 mm.
         3. Locking Ladder Pull: TG-138 49 inch
      2. Automatic Door Closer: Pivot panel.
         1. Floor Closer: BTS80.
         2. Ceiling Closer: RTS88.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. CONTINUOUSLY HINGED FOLDING GLASS PANELS, MANUALLY OPERATED, TOP SUPPORTED, WITH TOP AND BOTTOM RAILS (PUREVIEW) (PUREVIEW PLUS)

\*\* NOTE TO SPECIFIER \*\* Delete wall model option not required.

* + 1. Modernfold Glass Wall Model PureView FSW-G. A series of continuously hinged folding glass panels with 4-1/8 inch (105 mm) square top and bottom rails.
    2. Modernfold Glass Wall Model PureView Plus FSW-G. A series of continuously hinged folding glass panels with 4-1/8 inch (105 mm) square top and bottom rails and 1-3/4 inches (45 mm) carrier profile.
    3. Operation: Manually operated and top-supported. Panels use two-piece, clamp-on top and bottom rails that fasten together from alternating sides.

\*\* NOTE TO SPECIFIER \*\* Delete final closure options not required.

* + - 1. Final Closure: 2-panel system; single system (RH or LH) or paired system (two units; one RH and one LH).
      2. Final Closure: 3-panel system; 2-panel unit with lead pivot panel.
      3. Final Closure: 4-panel system; single system (RH or LH) or paired system (two units; one RH & one LH).
      4. Final Closure: 5-panel system; 4-panel unit with lead pivot panel.
      5. Final Closure: 6-panel system; paired system (two units; one 2-panel and one 4-panel).
    1. Construction:
       1. Top reinforcement as required to support panel from suspension components. Provide reinforcement for hardware attachment. Fabricate panels with concealed fasteners. Finished in-place partition to be rigid, level, plumb, aligned with uniform joints and appearance, free of bow, warp, twist, deformation, and surface and finish irregularities.
       2. Dimensions: Fabricate operable glass panel partitions with manufacturer's standard panel sizes to form an assembled system of dimensions indicated on Drawings and verified by field measurements.
          1. Maximum panel width: 48 inches (1219 mm).
          2. Standard rail thickness: 1-9/16 inches (40 mm).
       3. Top and Bottom Rails: Continuous two-piece assemblies with removable end caps. Rails fasten together from alternate sides of partition allowing for field adjustment to job site conditions. Snap-on covers are furnished to facilitate installation.
       4. Horizontal Top and Bottom Seals: Continuous contact vinyl seals without the need for mechanically operated parts.
       5. Bottom Rail Locking System: Engage floor by use of thumb turn operated floor bolts to stabilize panels from movement in all directions.
          1. Equip lead panel with two thumb turn operated floor bolts and top lock. Round bolts engage eccentric bushing floor strikes for security.
          2. Intermediate panels to have two thumb turn operated floor bolts and top lock.
          3. Pivot panels to have mortised cylinder with key and thumb turn.
       6. Hinges for Panels: Butt hinges attached to top and bottom rail
       7. Acoustical ratings of panels with this construction achieve Sound Transmission Class of 15 STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413.
    2. Materials:
       1. Aluminum: Alloy and temper recommended by aluminum producer and finisher for type of use, corrosion resistance, and finish indicated; ASTM B221 (ASTM B221M) for extrusions; manufacturer's standard strengths and thicknesses for type of use.
       2. Glass Type: Tempered, 1/2 inches (25 mm) complying with safety standards specified in ANSI Z97.1 CPSC16, CFR1201, ASTM C1036 and ASTM C1048.

\*\* NOTE TO SPECIFIER \*\* Delete glass finish options not required.

* + - * 1. Glass Finish: Clear tempered.
        2. Glass Finish: Frosted tempered.
        3. Glass Finish: Low iron tempered.
        4. Glass Finish: Low iron frosted tempered.
        5. Glass Finish: Laminated clear tempered.
        6. Glass Finish: Laminated "Markerboard" low iron tempered "Polar White."
      1. Panel weight: 7.5 lbs per sq ft
    1. Panel Finishes:
       1. Top and bottom rails with one of the following finishes:

\*\* NOTE TO SPECIFIER \*\* Delete rail finish options not required.

* + - * 1. Rail Finish: Clear anodized aluminum.
        2. Rail Finish: Dark Bronze anodized aluminum.
        3. Rail Finish: Black anodized aluminum.
        4. Rail Finish: Satin stainless anodized aluminum.
        5. Rail Finish: White Powder Coat (RAL 9016).
        6. Rail Finish: Black Powder Coat (RAL 9004).
        7. Rail Finish: RAL "Classic" (Solids collection) Powder Coat available (Sherwin Williams' Powdura Super Durable TGIC Free Polyesters) provided in one of the following (select one):

Gloss Finish: 80 to 85 degrees gloss.

Satin Finish: 30 degrees gloss.

* + 1. Suspension System: G-330 Suspension System "Smart Track"
       1. Suspension Tracks: Extruded aluminum. Wall Thickness: 0.235 inches (6 mm). Incorporate cast aluminum or mitered intersections, switches, and curves in stacking area. Provide alignment pins for track, intersections, switches, and curves insuring both fit and roller surface integrity.
          1. Exposed track soffit: Factory-finished aluminum with white powder coat.
       2. Carriers: Two stainless steel trolleys with vinyl roller surfaces. Trolley design incorporates eight wheels of varying dimensions. Automatic indexing of panels into stack area is provided by pre-programmed switches and trolleys without electrical, pneumatic, or mechanical activation.
       3. Warranty period: Two years.
    2. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Door pulls back-to-back: Pivot panel.
         1. Tubular Pull: 12 inch (305 mm).
         2. Ladder Pull: Manet 1240 mm.
         3. Locking Ladder Pull: TG-138 49 inch.

Mortise cylinder floor locks.

* + - 1. Automatic Door Closer: Pivot panel.
         1. Floor Closer: BTS80.
         2. Ceiling Closer: RTS88.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. INDIVIDUAL GLASS PANEL PARTITIONS, MANUALLY OPERATED, TOP-SUPPORTED, WITH TOP AND BOTTOM RAILS (COMPACTLINE)
     1. Modernfold Glass Wall Model COMPACTLINE with 4-7/8 inches (124 mm) contoured top and bottom rails.
        1. Operation: Manually operated and top-supported series of individual glass panels. Panels use two-piece, clamp-on top and bottom rail that fastens together from alternating sides.

\*\* NOTE TO SPECIFIER \*\* Delete final closure option not required.

* + - 1. Final Closure: Pivot panel.
      2. Final Closure: Intermediate panel ending within storage pocket, or at face of storage pocket.
    1. Construction:
       1. Provide top reinforcement as required to support panel from suspension components and provide reinforcement for hardware attachment. Fabricate panels with concealed fasteners. Finished in-place partition shall be rigid, level, plumb, aligned with uniform joints and appearance, free of bow, warp, twist, deformation, and surface and finish irregularities.
       2. Dimensions: Fabricate operable glass panel partitions with manufacturer's standard panel sizes to form an assembled system of dimensions indicated on Drawings and verified by field measurements.
          1. Maximum panel width: 48 inches (1219 mm).
          2. Standard rail thickness: 1-5/8 inches (41 mm).
       3. Top and Bottom Rails: Continuous two-piece assemblies with removable end caps. Rails fasten together from alternate sides of partition allowing for field adjustment to job site conditions. Covers are furnished to facilitate installation.
       4. Horizontal Top and Bottom Seals: Continuous contact extruded vinyl fingers without the need for mechanically operated parts.
       5. Bottom Rail Locking System: Engage adjacent panels by use of interlocking floor bolts to stabilize panels from movement in all directions.
          1. Equip a minimum of one end panel with a brass, mortised lock allowing for cylinder and/or thumb turn operation. Round bolts engageeccentric bushingfloor strikes for security.
          2. Pivot panels to have mortised cylinder with key and thumb turn.
          3. Intermediate panels to have interconnecting floor bolts.
          4. Lead panels to have mortised cylinder with thumb turn.

\*\* NOTE TO SPECIFIER \*\* Fully frame is optional Delete if not required.

* + - 1. Fully Framed: Extruded aluminum vertical stiles measuring 7/8 inch (22 mm) by 51/64 inch (20 mm) with minimum wall thickness of 3/32 inch (2 mm). Vertical stile shall have an integral channel to accept vinyl seals used to create panel joints and panel interfaces. Stile shall be continuous and run the entire length of the panel between both rails cover the glass edge. Stile applied to glass using a two-part epoxy. Silicone applied stiles are not acceptable.
      2. Acoustical ratings of panels with this construction achieve Sound Transmission Class of (see below) minimum STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413.

\*\* NOTE TO SPECIFIER \*\* Delete STC option not required.

* + - * 1. STC: 15.
        2. STC - Fully Framed: 26.
    1. Materials:
       1. Aluminum: Alloy and temper recommended by aluminum producer and finisher for type of use, corrosion resistance, and finish indicated; ASTM B221 (ASTM B221M) for extrusions; manufacturer's standard strengths and thicknesses for type of use.
       2. Glass Type: Tempered, 1/2 inches (25 mm) complying with safety standards specified in ANSI Z97.1 CPSC16, CFR1201, ASTM C1036 and ASTM C1048.

\*\* NOTE TO SPECIFIER \*\* Delete glass finish options not required.

* + - 1. Glass Finish: Clear tempered.
      2. Glass Finish: Frosted tempered.
      3. Glass Finish: Low iron tempered.
      4. Glass Finish: Low iron frosted tempered.
      5. Panel weight: 7.5 lbs per sq ft.
    1. Panel Finishes:
       1. Top and bottom rails with one of the following finishes.

\*\* NOTE TO SPECIFIER \*\* Delete rail finish options not required.

* + - * 1. Rail Finish: Clear satin anodized aluminum.
        2. Rail Finish: Satin stainless steel anodized aluminum.
        3. Rail Finish: White Powder Coat (RAL 9016).
        4. Rail Finish: Black Powder Coat (RAL 9004)
        5. Rail Finish: RAL "Classic" (Solids collection) Powder Coat available (Sherwin Williams' Powdura Super Durable TGIC Free Polyesters) provided in one of the following:

Gloss Finish: 80 to 85 degrees gloss.

Satin Finish: 30 degrees gloss.

* + 1. Suspension System: G-330 Suspension System "Smart Track/"
       1. Suspension Tracks: Extruded aluminum. Wall Thickness: 0.235 inches (6 mm). Incorporate cast aluminum or mitered intersections, switches, and curves in stacking area. Provide alignment pins for track, intersections, switches, and curves insuring both fit and roller surface integrity.
          1. Exposed track soffit: Factory-finished aluminum with white powder coat.
       2. Carriers: Two stainless steel trolleys with vinyl roller surfaces. Trolley design incorporates eight wheels of varying dimensions. Automatic indexing of panels into stack area is provided by pre-programmed switches and trolleys without electrical, pneumatic, or mechanical activation.
       3. Warranty period: Two years.
    2. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Pass Doors:
         1. Sliding Swing Door: Top hung operating swing door, rails heights to match partition rails providing uniform appearance.
         2. Hardware:

Automatic Door Closer: Floor closer.

Automatic Door Closer: Overhead closer.

Push/Pull Bars.

Mortise cylinder floor locks.

* + - 1. Door Pulls Back-to-Back:
         1. Tubular Pull: 12 inch (305 mm).
         2. Ladder Pull: Manet 1240 mm.
         3. Locking Ladder Pull: TG-138 49 inch.
      2. Automatic Door Closer: Pivot panel.
         1. Floor Closer: BTS80.
      3. Intersecting Partition Interface: 90 degree corner post.
      4. Intersecting Partition Interface: 95 to 175 degree corner post.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. INDIVIDUAL ELECTRICALLY CONTROLLED GLASS PANELS, FULLY AUTOMATED, TOP-SUPPORTED, WITH TOP AND BOTTOM RAILS (COMPACTLINE with COMFORTDRIVE)
     1. Modernfold Glass Wall ModelCOMPACTLINE with COMFORTDRIVEwith 4-7/8 inch (124 mm) contoured top and bottom rails.
        1. Operation: Fully automated and top-supported series of individual electrically controlled glass panels. Panels use two-piece, clamp-on top and bottom rail that fastens together from alternating sides. Each panel is equipped with its own drive motor integrated into the panel trolley and travels at a speed of 30 feet/minute.

\*\* NOTE TO SPECIFIER \*\* Delete final closure options not required.

* + - 1. Final Closure: Pivot panel electrically controlled and equipped with an electromechanical locking device to prevent unauthorized manual operation. Closures requiring manual operation are not acceptable.
      2. Final Closure: Standard intermediate panel ending within storage pocket, or at face of storage pocket.
      3. Partitions: Operated by a digital control panel. A configurable microprocessor control system monitors and controls the motion sequences and position of the panels. "Open," "Close" and "Stop" push buttons allow partition to be opened, closed, or stopped at any position. Programming must allow partial-opening, personnel-access, gapped and alternate panel configurations.
      4. In Event of Power Failure: Must be possible to operate partition by hand and move panels into any desired position. A required unlocking device allows closed and locked partitions to be opened if needed.
         1. The electrical restart sequence accommodates panels in any position.
    1. Construction:
       1. Top reinforcement as required to support panel from suspension components and provide reinforcement for hardware attachment. Panels are fabricated with concealed fasteners. Finished in-place partition to be rigid, level, plumb, aligned with uniform joints and appearance, free of bow, warp, twist, deformation, and surface and finish irregularities.
       2. Dimensions: Fabricate operable glass panel partitions with manufacturer's standard panel sizes to form an assembled system of dimensions indicated on Drawings and verified by field measurements.
          1. Maximum panel width: 48 inches (1219 mm)
          2. Standard rail thickness: 1-5/8 inches (41 mm)
       3. Top and Bottom Rails: Continuous two-piece assemblies with removable end caps. Rails fasten together from alternate sides of partition allowing for field adjustment to job site conditions. Covers are furnished to facilitate installation.
       4. Horizontal Top and Bottom Seals: Continuous contact extruded vinyl fingers without the need for mechanically operated parts.
       5. Bottom Rail Locking System: Engage adjacent panels by use of interlocking bolts to stabilize panels from movement in all directions. Panels are equipped with a bottom guide pin which travels in a recessed stainless-steel floor track.
          1. Equip end panel with an electromechanical locking device to protect against unauthorized manual operation. In the event of power failure, locking device must be easy to manually disengage by mechanical means.

\*\* NOTE TO SPECIFIER \*\* Fully framed is optional. Delete if not required.

* + - 1. Fully Framed: Extruded aluminum vertical stiles measuring 7/8 inch (22 mm) by 51/64 inch (20 mm) with minimum wall thickness of 3/32 inch (2 mm). Vertical stile shall have an integral channel to accept vinyl seals used to create panel joints and panel interfaces. Stile shall be continuous and run the entire length of the panel between both rails covering the glass edge. Stile applied to glass using a two-part epoxy. Silicone applied stiles are not acceptable.
      2. Acoustical ratings of panels with this construction achieve Sound Transmission Class of (see below) minimum STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413.

\*\* NOTE TO SPECIFIER \*\* Delete STC options not required.

* + - * 1. STC: 15.
        2. STC Fully Framed: 26.
    1. Materials:
       1. Aluminum: Alloy and temper recommended by aluminum producer and finisher for type of use, corrosion resistance, and finish indicated; ASTM B221 (ASTM B221M) for extrusions; manufacturer's standard strengths and thicknesses for type of use.
       2. Glass Type: Tempered, 1/2 inches (25 mm) complying with safety standards specified in ANSI Z97.1 CPSC16, CFR1201, ASTM C1036 and ASTM C1048.

\*\* NOTE TO SPECIFIER \*\* Delete glass finish not required.

* + - 1. Glass Finish: Clear tempered.
      2. Glass Finish: Frosted tempered.
      3. Glass Finish: Low iron tempered.
      4. Glass Finish: Low iron frosted tempered.
    1. Panel weight: 7.5 lbs per sq ft.
    2. Panel Systems:
       1. Provide top and bottom rails with one of the following finishes (select one):

\*\* NOTE TO SPECIFIER \*\* Delete rail finish options not required.

* + - * 1. Rail Finish: Clear satin anodized aluminum.
        2. Rail Finish: Satin stainless steel anodized aluminum.
        3. Rail Finish: White Powder Coat (RAL 9016).
        4. Rail Finish: Black Powder Coat (RAL 9004)
        5. Rail Finish: RAL "Classic" (Solids collection) Powder Coat available (Sherwin Williams' Powdura Super Durable TGIC Free Polyesters) provided in one of the following:

Gloss Finish: 80 to 85 degrees gloss).

Satin Finish: 30 degrees gloss).

* + 1. Suspension System:
       1. ComfortDrive Suspension System:
          1. Suspension Tracks: Extruded aluminum. Incorporate cast aluminum or mitered intersections, switches, and curves in stacking area. Provide alignment pins for track, intersections, switches, and curves insuring both fit and roller surface integrity.

Exposed track soffit: Factory-finished aluminum with white powder coat.

* + - * 1. Carriers: Two multi-wheeled trolleys featuring track rollers mounted in ball bearings. Trolleys comprising of ball-type carriers or sliding discs/pucks are not acceptable. Automatic indexing of panels into stack area is provided by pre-programmed switches and trolleys without electrical, pneumatic, or mechanical activation.
        2. Control System: The entire partition's opening and closing operation including stacking the panels in the storage area must be performed fully and automatically by the electric drive system. Panels are individually driven and electronically controlled with self-monitoring capabilities for all control functions. The entire partition system must be UL 325 approved, will stop on contact with an obstruction and is compliant to maximum entrapment forces described under Section 29.4 of UL 325 certification.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. INDIVIDUAL GLASS PANEL PARTITIONS, MANUALLY OPERATED, TOP-SUPPORTED, WITH TOP AND BOTTOM RAILS (DRS Series)
     1. Modernfold Glass Wall: Manually operated and top-supported series of individual glass panels.

\*\* NOTE TO SPECIFIER \*\* Select the Glass Wall product required and delete those not required.

* + - 1. Model 362SR-DRS with 3.62 inches (92 mm) square top and bottom rails.
      2. Model 362TR-DRS with 3.62 inches (92 mm) tapered top and bottom rails.
      3. Model 600SR-DRS with 6 inches (152 mm) square bottom rail and 3.62 inches (92 mm) square top rail.
      4. Model 1000SR-DRS with 10 inches (254 mm) square bottom rail and 3.62 inches (92 mm) square top rail.
    1. Operation: Panels use two-piece, clamp-on top and bottom rail that fastens together from alternating sides.

\*\* NOTE TO SPECIFIER \*\* Delete final closure options not required.

* + - 1. Final Closure: Pivot panel.
      2. Final Closure: Standard intermediate panel ending within storage pocket, or at face of storage pocket.
    1. Construction:
       1. Top reinforcement as required to support panel from suspension components and provide reinforcement for hardware attachment. Fabricate panels with concealed fasteners. Finished in-place partition shall be rigid, level, plumb, aligned with uniform joints and appearance, free of bow, warp, twist, deformation, and surface and finish irregularities.
       2. Dimensions: Fabricate operable glass panel partitions with manufacturer's standard panel sizes to form an assembled system of dimensions indicated on Drawings and verified by field measurements.
          1. Maximum panel width: 48 inches (1219 mm)
          2. Standard rail thickness: 1-7/8 inches (48 mm)
       3. Top and Bottom Rails: Continuous two-piece assemblies with removable end caps. Rails fasten together from alternate sides of partition allowing for field adjustment to job site conditions. Snap-on covers are furnished to facilitate installation.
       4. Bottom Rail Locking System: Engage adjacent panels by use of interlocking floor bolts to stabilize panels from movement in all directions.
          1. Equip a minimum of one end panel with a brass, mortised lock allowing for cylinder and/or thumb turn operation. Round bolts engage dust-proof floor strikes for security.
          2. Pivot panels to have mortised cylinder with key and thumb turn.
          3. Intermediate panels to have interconnecting floor bolts.
          4. Lead panels to have mortised cylinder with thumb turn.

\*\* NOTE TO SPECIFIER \*\* Fully framed is optional. Delete if not required.

* + - 1. Fully Framed: Extruded aluminum vertical stiles measuring 1-7/8 inch (48 mm) by 1-1/8 inch (29 mm) with a minimum wall thickness of .118 inches (3 mm). Vertical stile shall have integral channel to accept Dri-Fit Gasket on any surface that contacts glass. Stile shall have an exterior integral channel capable of accepting either wool-pile or rubber gasket weather stripping if required. Stile shall be continuous and run the entire length of the panel covering both rails and glass edge. Stile mechanically fastened to both top and bottom rails. Silicone applied stiles are not acceptable.
      2. Acoustical ratings of panels with this construction achieve Sound Transmission Class of (see below) minimum STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413.

\*\* NOTE TO SPECIFIER \*\* Delete STC options not required.

* + - * 1. STC: 15.
        2. STC Fully Framed: 18.
    1. Materials: Manufacturer's standard strengths and thicknesses for type of use.
       1. Aluminum: Alloy and temper recommended by aluminum producer and finisher for type of use, corrosion resistance, and finish indicated; ASTM B221 (ASTM B221M) for extrusions.
       2. Glass Type: Tempered, 1/2 inch (12.7 mm) complying with safety standards specified in ANSI Z97.1 CPSC16, CFR1201, ASTM C1036 and ASTM C1048.

\*\* NOTE TO SPECIFIER \*\* Delete glass finish options not required.

* + - * 1. Glass Finish: Clear tempered.
        2. Glass Finish: Frosted tempered.
        3. Glass Finish: Low iron tempered.
        4. Glass Finish: Low iron frosted tempered.
        5. Glass Finish: Laminated clear tempered.
        6. Glass Finish: Laminated "Markerboard" low iron tempered "Polar White"
      1. Panel Weight: 7.5 lbs per sq ft.
    1. Panel Finishes: Provide top and bottom rails with one of the following finishes.

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

* + - 1. Finish: Clear anodized aluminum.
      2. Finish: Dark Bronze anodized aluminum.
      3. Finish: Black anodized aluminum.
      4. Finish: Satin stainless steel clad.
      5. Finish: Polished stainless steel clad.
      6. Finish: Satin brass clad.
      7. Finish: Polished brass clad.
      8. Finish: White Powder Coat (RAL 9016).
      9. Finish: Black Powder Coat (RAL 9004).
      10. Finish: RAL "Classic" (Solids collection) Powder Coat available (Sherwin Williams' Powdura Super Durable TGIC Free Polyesters) provided in one of the following:
          1. Gloss Finish: 80 to 85 degree gloss.
          2. Satin Finish: 30 degree gloss.
    1. Suspension System:

\*\* NOTE TO SPECIFIER \*\* Delete suspension system not required.

* + - 1. #17G Suspension System:
         1. Suspension Tracks: 0.12 inches (3 mm) roll-formed steel track. Can be direct mounted to a wood headers or supported by adjustable steel hanger brackets supporting load-bearing surface of the track. Connects to structural support by pairs of 3/8 inches (9.5 mm) threaded steel rods.

Exposed Track Soffit: Steel, integral to track, and pre-painted off-white.

* + - * 1. Carriers: Two all-steel trolleys with steel ball-bearing wheels and vinyl tires. Automatic indexing of panels into stack area is provided by pre-programmed switches and trolleys without electrical, pneumatic, or mechanical activation.
        2. Warranty period: Five years.
      1. G-330 Suspension System "Smart Track":
         1. Suspension Tracks: Extruded aluminum with a minimum wall thickness of 0.235 inches (6 mm). Incorporate cast aluminum or mitered intersections, switches, and curves in stacking area. Provide alignment pins for track, intersections, switches, and curves insuring both fit and roller surface integrity.

Exposed track soffit: Factory-finished aluminum with white powder coat.

* + - * 1. Carriers: Two stainless steel trolleys with vinyl roller surfaces. Trolley design incorporates eight wheels of varying dimensions. Automatic indexing of panels into stack area is provided by pre-programmed switches and trolleys without electrical, pneumatic, or mechanical activation.
        2. Warranty period: Two years.
    1. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Door Pulls Back-to-Back:
         1. Tubular Pull: 12 inches (305 mm).
         2. Ladder pull: Manet 1240 mm.
         3. Ladder Pull: TG-138 49 inch ( mm) locking.
      2. Automatic Door Closer: For pivot panels
         1. Floor Closer: BTS80.
         2. Ceiling Closer: RTS88.
      3. Intersecting Partition Interface: Corner Post: 90 degrees.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. INDIVIDUAL GLASS PANEL PARTITIONS, MANUALLY OPERATED, TOP SUPPORTED, WITH PATCH FITTINGS FOR TROLLY MOUNTS AND LOCK FUNCTIONS (HSW-GP)
     1. Modernfold Glass Wall Model HSW-GP with single point fixings.
     2. Operation: Manually operated and top-supported series of individual glass panels. Panels use patch fittings in each corner to provide trolley mounts and lock functions.

\*\* NOTE TO SPECIFIER \*\* Delete final closure options not required.

* + - 1. Final Closure: Pivot panel.
      2. Final Closure: Standard intermediate panel ending within storage pocket, or at face of storage pocket.
    1. Construction:
       1. Top reinforcement as required to support panel from suspension components and provide reinforcement for hardware attachment. Fabricate panels with fasteners. Finished in-place partition shall be rigid, level, plumb, aligned with uniform joints and appearance, free of bow, warp, twist, deformation, and surface and finish irregularities.
       2. Dimensions: Fabricate operable glass panel partitions with manufacturer's standard panel sizes to form an assembled system of dimensions indicated on Drawings and verified by field measurements.
          1. Maximum panel width: 48 inches (1219 mm)
       3. Top and Bottom Flush Mount Attachments: All glass panels are secured into a standard track rail with flush-mounted high-grade stainless-steel attachments. Bottom rail pivots and locks are of similar flush-mounted design.
       4. Bottom Rail Locking System: Engage adjacent panels by use of interlocking floor bolts to stabilize panels from movement in all directions.
          1. Equip a minimum of one end panel with a brass, mortised lock allowing for cylinder and/or thumb turn operation. Round bolts engage dust-proof floor strikes for security.
          2. Pivot panels to have mortised cylinder with key and thumb turn.
          3. Intermediate panels to have interconnecting floor bolts.
          4. Lead panels to have mortised cylinder with thumb turn.
       5. Acoustical ratings of panels with this construction achieve Sound Transmission Class of 15 STC minimum STC when tested in accordance with ASTM E90 and classified in accordance with ASTM E413.
    2. Materials:
       1. Aluminum: Alloy and temper recommended by aluminum producer and finisher for type of use, corrosion resistance, and finish indicated; ASTM B221 (ASTM B221M) for extrusions; manufacturer's standard strengths and thicknesses for type of use.
       2. Glass Type: Tempered, 1/2 inches (25 mm) complying with safety standards specified in ANSI Z97.1 CPSC16, CFR1201, ASTM C1036 and ASTM C1048.

\*\* NOTE TO SPECIFIER \*\* Delete glass finish options not required.

* + - * 1. Glass Finish: Clear tempered.
        2. Glass Finish: Frosted tempered.
        3. Glass Finish: Low iron tempered.
        4. Glass Finish: Low iron frosted tempered.
    1. Panel Finishes: Top and bottom fittings; satin stainless-steel.
    2. Suspension System:
       1. G-330 Suspension System "Smart Track"
          1. Suspension Tracks: Extruded aluminum with a minimum wall thickness of 0.235 inches (6 mm). Incorporate cast aluminum or mitered intersections, switches, and curves in stacking area. Provide alignment pins for track, intersections, switches, and curves insuring both fit and roller surface integrity.

Exposed track soffit: Factory-finished aluminum with white powder coat.

* + - * 1. Carriers: Two stainless steel trolleys with vinyl roller surfaces. Trolley design incorporates eight wheels of varying dimensions. Automatic indexing of panels into stack area is provided by pre-programmed switches and trolleys without electrical, pneumatic, or mechanical activation.
        2. Warranty period: Two years.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until supports and substrates have been properly prepared.
         1. Preparation of the opening shall conform to the criteria set forth per ASTM E557 Standard Practice for Architectural Application and Installation of Operable Partitions.
         2. Verify permanent HVAC systems are properly operating and building temperature and humidity have stabilized.
      2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
      3. Examine flooring, structural support, and opening, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of operable partitions. Proceed with installation only after unsatisfactory conditions have been corrected. Ensure finished floor under operable glass partition is level plus or minus 0.13 inch (3 mm) in 10 feet (3048 mm) non-cumulative.
   3. INSTALLATION OPERABLE PARTITIONS
      1. Install operable partitions in accordance with manufacturer's instructions and ASTM E 557 installation procedures. Test for proper operation and make necessary adjustments until satisfactory results are obtained.
      2. Install operable partitions and accessories after other finishing operations, including painting have been completed.
      3. Match operable partitions by installing panels from marked packages in numbered sequence indicated on Shop Drawings
      4. Broken, cracked, chipped, deformed or unmatched panels are not acceptable.
      5. Make connections to power as specified in Division 26 - Electrical.
   4. INSTALLATION DEMOUNTABLE PARTITIONS
      1. Install demountable partitions in accordance with manufacturer's written instructions and installation procedures. Test for proper operation and make necessary adjustments until satisfactory results are obtained.
      2. Install demountable partition systems rigid, level, plumb, and aligned. Install seals to prevent light and sound transmission at connections to floors, ceilings, fixed walls, and abutting surfaces
      3. Match operable partitions by installing panels from marked packages in numbered sequence indicated on Shop Drawings
      4. Broken, cracked, chipped, deformed or unmatched panels are not acceptable.
   5. ADJUSTING
      1. Adjust operable partitions to operate smoothly, easily, and quietly, free from binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Lubricate hardware and other moving parts
   6. DEMONSTRATION
      1. Demonstrate proper operation and maintenance procedures to Owner's representative.
      2. Provide Operation and Maintenance Manual to Owner's representative
   7. PROTECTION
      1. Protect installed products until completion of project.
      2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION