

SECTION 10 22 00

ALL GLASS SLIDING PARTITION

PART 1 GENERAL

1.01 SUMMARY

A. Section includes furnishing and installing a top-hung, individual aluminum and glass door panel system that includes:

1. Aluminum rails
2. Top track with stacking bay(s)
3. Sliding panels
4. Single/double action end panel(s)
5. Sliding single/double action panel(s)
6. Sliding/swinging hardware
7. Locking hardware
8. Door closers
9. Sealing brushes
10. Glass and glazing
11. Accessories as required for a complete working installation.

B. Related Documents and Sections: Contractor to examine Contract Documents for requirements that directly affect or are affected by Work of this Section. A list of those Documents and Sections include, but is not limited to, the following:

1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 General Requirements, Specification Sections, apply to this Section.
2. Section 06 10 00, Rough Carpentry: Wood framing R.O. and blocking.
3. Section 07 90 00, Joint Protection
4. Section 08 42 23, Glass Entrance Swing Doors
5. Section 08 43 29, Sliding Glass Storefronts: NanaWall LS160
6. Section 09 22 16, Non-Structural Metal Framing: Metal framing R.O. and reinforcement.
7. Section 10 22 39, All Glass Center Pivot Partitions: NanaWall CSW75
8. Section 10 22 39, All Glass Folding Partitions: NanaWall FSW75
9. Section 10 22 43, Sliding Glass Partitions: NanaWall LS160

1.02 REFERENCES

A. Reference Standards in accordance with Division 01 and current editions from the following:

1. AAMA. American Architectural Manufacturers Association; www.aamanet.org
   a. AAMA 611, Voluntary Specification for Anodized Architectural Aluminum
   b. AAMA 920-11, Specification for Operating Cycle Performance of Side-Hinged Door Systems
   c. AAMA 1304-02, Voluntary Specification for Forced Entry Resistance of Side-Hinged Door Systems
   d. **AAMA 2603, Voluntary Specification, Performance Requirements and Test**

Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels

e. AAMA 2604, Voluntary Specifications, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels

2. ANSI. American National Standards Institute; www.ansi.org
   a. ANSI Z97.1, Safety Performance Specifications and Methods of Test for Safety Glazing Material Used in Buildings
3. ASTM. ASTM International; www.astm.org
   a. ASTM C1036, Standard Specification for Flat Glass
   b. ASTM C1048, Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass
   c. ASTM D1003, Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics
   d. ASTM E330, Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
   e. ASTM E2068, Standard Test Method to Determine the Opening and Breakaway Forces of Sliding Windows and Doors
4. CPSC. Consumer Product Safety Commission; www.cpsc.gov
   a. CPSC 16CFR-1201, Safety Standard for Architectural Glazing Materials.
5. DIN. "Deutsches Institut für Normung" (German Institute for Standardization); www.en-standard.eu/din-standards
   a. DIN EN 1191, Windows and doors - Resistance to repeated opening and closing - Test method; German version EN 1191:2000
   b. DIN EN ISO 12400, Windows and pedestrian doors - Mechanical durability - Requirements and classification
6. IBC. International Building Code; www.iccsafe.org
   a. IBC 2403.4, Differential deflection of two adjacent unsupported sliding glass panels

1.03 ADMINISTRATIVE REQUIREMENTS

A. Coordination:
   1. Coordinate top-hung head track support with structural drawings. See Section 05 1200.
   2. Coordinate Sliding Glass Partition system and framing R.O.

B. Preinstallation Meetings: See Section 01 30 00.

1.04 SUBMITTALS

A. For Contractor submittal procedures see Section 01 30 00.

B. Product Data: Submit manufacturer’s printed product literature for each Sliding Glass Partition system to be incorporated into the Work. Show performance test results and details of construction relative to materials, dimensions of individual components, profiles and colors.

C. Shop Drawings: Indicate Sliding Glass Storefront system component sizes, dimensions and framing R.O., configuration, sliding and swing panels, direction of swing, stacking layout, typical head jamb, side jambs and sill details, type of glazing material, handle height and field measurements.

D. Manufacturers' Instructions: Submit manufacturer's installation instructions.

E. Operation and Maintenance Data: Submit Owner’s Manual from manufacturer. Identify with project name, location and completion date, and type and size of unit installed.

NOTE: Delete the following Article if LEED is not applicable; edit to meet project LEED requirements.

F. Sustainable Design Submittals (USGBC LEED®): Refer to Section 01 81 15, LEED Design

Requirements.

1. **LEED 2009** (v3) Credits. Complete online LEED forms and submit other required materials as follows:
   a. Materials and Resources (MR) Credits:
      1). MR Credit 1.1 (MRc1.1): Building Reuse - Maintain Existing Exterior Walls, Floors and Roof
      2). MR Credit 1.2 (MRc1.2): Building Reuse - Maintain Existing Interior Nonstructural Elements
      3). MR Credit 2 (MRc2): Construction Waste Management

NOTE: MR Credit 3 below can apply to reusing salvaged Sliding Glass Partition.

      4). MR Credit 3: Materials Reuse - 5% (MRc3.1) or 10% (MRc3.2)
   b. Indoor Environmental Quality (EQ) Credits:
      1). IEQ Credit 2 (IEQc2): Increased Ventilation - Case 2 - Naturally Ventilated Spaces
      2). IEQ Credit 8.1 (IEQc8.1): Daylight & Views - Daylight 75% of Spaces
      3). IEQ Credit 8.2 (IEQc8.2): Daylight & Views - Views for 90% of Spaces
2. **LEED v4 for Interior Design and Construction (ID&C)** Credits. Complete online LEED forms and submit other required materials as follows:
   a. Materials and Resources (MR) Credits:

NOTE: MR Credit 1 below can apply to reusing salvaged Sliding Glass Partition.

      1). MR Credit 1 (MRc1): Building Life-Cycle Impact Reduction; Option 3 - Building and Material Reuse
   b. Indoor Environmental Quality (EQ) Credits:
      1). EQ Credit 7 (EQc7): Daylight
      2). EQ Credit 8 (EQc8): Quality Views

G. LEED Closeout Documentation:

NOTE: Edit below to meet project LEED requirements.

1. **LEED 2009** (v3). Submit completed LEED™ submittal Worksheet Templates for the following credits:
   a. MRc1.1, MRc1.2, MRc2, MRc3, IEQc2, IEQc8.1, IEQc8.2
2. **LEED v4 (ID&C).** Submit information and documentation to complete LEED™ Worksheet Templates for the following credits:
   a. MRc1, EQc7, EQc8

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Manufacturer capable of providing complete, precision built, engineered, pre-fitted units with a minimum twenty-five (25) years' experience in the sale of folding-sliding door systems for large openings in the North American market.
   1. Manufacturer to have ISO 9001: 2008 quality management system registration.
   2. Manufacturer to have ISO 14001: 2005 environmental management system registration.

B. Installer Qualifications: Installer experienced in the installation of manufacturer's products or other similar products for large openings. Installer to provide reference list of at least three (3) projects of similar scale and complexity successfully completed in the last three (3) years.
   1. Installer to be trained and certified by manufacturer.

C. Single Source Responsibility: Furnish Sliding Glass Partition system materials from one manufacturer for entire Project.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Comply with manufacturer's instructions and recommendations, Section 01 60 00 requirements, and as follows:

1. Deliver materials to job site in sealed, unopened cartons or crates.
   a. Upon receipt, inspect the shipment to ensure it is complete, in good condition and meets project requirements.
2. Store material under cover in a clean and dry location, protecting units against weather and defacement or damage from construction activities, especially to the edges of panels.

1.07 FIELD CONDITIONS

A. Field Measurements: Contractor to field verify dimensions of rough openings (R.O.), stack storage areas, and floor bolt socket locations. Mark field measurements on shop drawing submittal.

1.08 WARRANTY

A. Manufacturer Warranty: Provide All Glass Sliding Partition system manufacturer's standard limited warranty as per manufacturer's published warranty document in force at time of purchase, subject to change, against defects in materials and workmanship.

1. Warranty Period beginning with the earliest of 120 days from Date of Delivery or Date of Substantial Completion:
   a. Rollers: Ten (10) years
   b. All Other Components Except Screens: Ten (10) years
      1). Exception: Five (5) years if NOT installed by manufacturer's certified trained installer.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Basis-of-Design Product by Manufacturer: **NanaWall HSW75** by **NANA WALL SYSTEMS, INC.** (www.nanawall.com)

NANA WALL SYSTEMS, INC.
100 Meadow Creek Drive, Corte Madera, CA 94925
Toll Free (800) 873-5673
Telephone: (415) 383-3148
Fax: (415) 383-0312
Email: info@nanawall.com

1. Substitution Procedures: See Section 01 20 00; Submit completed and signed:
   a. Document 00 43 25, Substitution Request Form (During Procurement), or
   b. Document 00 63 25, Substitution Request Form (During Construction).

2.02 PERFORMANCE / DESIGN CRITERIA

A. Performance Criteria (Lab Tested):

NOTE: Forced entry testing results are only applicable for the test unit type of locking. See manufacturer's latest published data regarding performance.

1.	Forced Entry Resistance per AAMA 1304	No Entry
2.	Forced Entry (DIN EN 1191):	Pass
3.	Operating/Cycling Performance per AAMA 920	500,000 Cycles
4.	Operation/Cycling Performance (DIN EN ISO 12400):	100,000 Cycles

B. LEED Characteristics:

1. **LEED 2009** (v3)
   a. MRc1.1: *NanaWall* exterior glass wall systems, not demolished in a renovation project, are reused in the same location.
   b. MRc1.2: *NanaWall* interior glass wall systems, not demolished in a renovation project, are reused in the same location.
   c. MRc2: *NanaWall* cardboard shipping crates are made of 60% recycled material and are 100% recyclable.
   d. MRc3: *NanaWall's* components easily disassemble and reassemble to "*Use* as *salvaged... or reused materials*."
   e. IEQc2: *NanaWall* systems provide natural ventilation in the open position, assisting in the 90% required natural ventilation of occupied spaces of ASHRAE 62.1.
   f. EQc8.1: *NanaWall* glass wall assembly borrowed light brings daylight deeper into the floor plate.
   g. EQc8.2: *NanaWall* glass wall assemblies provide direct outdoor lines of sight.
2. **LEED v4 for Interior Design and Construction (ID&C)**
   a. MRc1: *NanaWall* can be easily disassembled for salvage and reuse.
   b. EQc7: NanaWall glass wall assembly borrowed light brings daylight deeper into the floor plate.
   c. EQc8: NanaWall glass wall assemblies provide direct outdoor lines of sight.

C. Design Criteria:

1. Sizes and Configurations: As indicated by the drawings for selected number and size of panels, location of swing panels, and location of tracks and stacking bays.
2. Unit Operation: Adjustable sliding hardware with top and bottom tracks;
   a. [**sliding type**.]
   b. [**sliding single/double action type**.]
   c. [**end single/double action type**.]
3. Panel Configuration:
   a. [**Straight**]
   b. [**Segmented curve**]
   c. [**True curve**]
   d. [**90º angle turn/ open corner**]
   e. [**135º angle turn**]
   f. [**Window/ door combination**].
4. Stack Storage Configuration:
   a. [**Perpendicular to wall**]
   b. [**Parallel to wall**]
   c. [**Remote**]
   d. [**Pocket wall**]
5. Mounting Type: Top-hung
6. Sill Type: Floor sockets with No floor track.

2.03 MATERIALS

A. Sliding Glass Partition Description: All glass, top-hung, single track sliding system with no vertical profiles, and a 2-in-1 release system allowing for a selected sliding panel to convert into a single/double action panel or vise versa. Manufacturer's standard top and bottom channel frame and panel profiles, with head track, stacking bays, side jambs, sliding-swing panels with dimensions as shown on Drawings.

1. Panel Size (W x H): As indicated.

NOTE: Maximum W x H sliding panel sizes up to 10'-6" by 4'-1" (3.2 m by 1.25 m).
Max. W x H sliding single/double action panel sizes up to 10'-6" by 3'-3" (3.2 m by 1.00 m).
Max. W x H non-sliding single/double action panel sizes up to 10'-6" by 3'-7" (3.2 m by 1.10 m).

2. Provide aluminum head track and hinges/pivot points.
   a. Finish - Anodized (AAMA 611):
      1). [**Clear**]
      2). [**Dark bronze**]
      3). [**Black**]
      4). [**Brushed**]
      5). [**Post assembly clear coated**]

NOTE: Specify post assembly clear coat for greater corrosion resistance.

   b. Finish - Powder Coat (AAMA 2604):
      1). Color as chosen from manufacturer's powder coating finish chart from
         a). [**manufacturer's full RAL selection.**]
            i. [**High Gloss**]
            ii. [**Matte**]
         b). [**custom finish.**]

3. Head Track Width x Depth: 2-7/8 x 2-3/4 inch (73 x 70 mm)
4. Panels: Single lite.
5. Top & Bottom Rail Depth: 1-7/16 inch (36 mm)

NOTE: Rail depth listed above applies to standard 1/2 inch (12 mm) thick glass. Depth dimension will be greater when thicker glass is used.

6. Top Rail Width:
   a. 3-15/16 (100 mm)

NOTE: Option a. above is standard with other options below. Edit to suit project requirements.

   b. [**5-1/4 inch (133 mm)**]
   c. [**7-13/16 inch (198 mm)**]
   d. [**10 inch (254 mm)**]

NOTE: Rail widths available in 3/16 inch (5 mm) increments from 5-1/4 inch (133 mm) to 7-13/16 inch (198 mm).

7. Bottom Rail Width:
   a. 3-15/16 inch (100 mm)

NOTE: Option a. above is standard with other options below. Edit to suit project requirements.

b. [**ADA, chamfered, 4-3/4 inch (120 mm)**]
c. [**5-1/4 inch (133 mm)**]
d. [**7-13/16 inch (198 mm)**]
e. [**ADA, 10 inch (254 mm) kickplate**]

8. Rail End Cap: Smooth with bumpers on one panel end [**mitered at corner panels**].
9. Rail End Cap Finish: Closest aluminum match to rail finish.
10. Rail Edges: Flat [mitered at corner panels]
11. Aluminum Extrusions: AlMgSi0.5 alloy, 6063-T5 (F-22 - European standard)
    a. Thickness: 0.078 inch (2.0 mm) nominal
12. Metal Clad Finish on Face of Top and Bottom Rails:
    a. Aluminum, Finish - Anodized (AAMA 611):
        1). [**Clear**]
        2). [**Dark bronze**]
        3). [**Black**]
        4). [**Brushed**]
        5). [**Post assembly clear coated**]

NOTE: Specify post assembly clear coat for greater corrosion resistance.

    b. Aluminum, Finish - Powder Coat (AAMA 2604):
        1). Color as chosen from manufacturer's powder coating finish chart from
            a). [**manufacturer's full RAL selection.**]
                i. [**High Gloss**]
                ii. [**Matte**]
            b). [**custom finish.**]
    c. [**Brushed stainless steel**]
    d. [**Polished stainless steel**]
    e. [**Polished brass**]
    f. [**Satin brass**.]

NOTE: Select and edit glass type(s) to meet building code, wind-load design, acoustic, and/or security, and other project requirements with other glass available from manufacturer. Glass with other properties are available including low iron, white board, decorative, acrylic, wooden, and stainless steel mesh.

B. Glass and Glazing:
1. Safety Glazing: In compliance with ANSI Z97.1, CPSC 16CFR 1201, ASTM C1036 and ASTM C1048.
2. Manufacturer’s standard [**tempered**] [**laminated**] glass.
    a. Glass Lites: Single
    b. Glass Thickness:

NOTE: 3/8 inch thick glass can be used for panel heights up 8'-8" (2.65 m) in accordance with GANA recommendations.

        1). [**3/8 inch (10 mm)**]
        2). [**1/2 inch (12 mm)**]

NOTE: Glass thicknesses below are NOT for use with sliding single/double actions panels.

3). [**9/16 inch (15 mm)**]

4). [**3/4 inch (19 mm)**]

5). [**13/16 inch (21 mm)**]

6). [**1 inch (25 mm)**]

c. Edges: Flat butt for all panels [**mitered at corner panels**].

1). Exposed Edges: Flat polished/ground

2). Corner Edges: Beveled

d. Factory Glazing:

1). Clamp installed for equal distribution of weight.

2). Glass edge top rail clearance to be no more than 1/8 inch (3 mm) with a minimum 7/8 inch (22 mm) bite.

3). Glass installed with bolts only NOT acceptable.

C. Sliding Hardware:

1. Two (2) unidirectional sliding panel carriers that are attached to each panel with a side adjustable stainless steel cast shoe and a stainless steel ball bearing axle.

a. Carriers to be glass fiber reinforced polyamide wheels with memory effect and polyamide bumpers

NOTE: Bumpers prevent metal-on-metal contact for quiet and smooth operation.

b. Metal-on-metal contact between top track and carriers NOT acceptable.

2. Maximum carrying capacity of two carriers on a panel to be:

a. 330 lbs (150 kg).

NOTE: For heavier panels select 400 lbs. below.

b. [**400 lbs (180 kg).**]

c. Carriers on panels to be installed such that each panel can be intelligently guided into the stacking bay without error and with single hand operation.

d. Non-single handed operation, not acceptable.

3. Adjustment: Provide system capable of specified amount of adjustments without removing panels from tracks.

D. Hardware on Sliding Single/Double Action Panels:

1. 2-Part top rail with pivot point.

2. Patented 2-in-1 release system for top pivot point with a crank handle to convert sliding panel to a single/double action panel and vice versa.

NOTE: The patented 2-in-1 process ensures ease of operation with eight turns of a crank handle; a one-step release system.

a. Systems requiring a two-step release at top pivot point NOT acceptable.

b. Provide closest aluminum finish Locking Box on upper arm of top rail and Locking Box Receiver on the side of the head track.

3. Manufacturer's standard overhead door closer in closest match [**aluminum**] [**stainless steel**] finish.

4. Brushed stainless steel pivot box with a quick release floor bolt with spring loaded security feature to engage bottom pivot point.

E. Hardware on End Single/Double Action Panel(s):

1. Double action panel with pivot point.

NOTE: Option 1. above is standard with other options below. Edit to suit project requirements.

2. [**Single action panel with pivot point.**]
3. [**Offset pivot hinged panel that can swing 180°.**]
4. [**With overhead door closer (single action panel only).**]
5. [**Bottom door closer.**]
6. [**Standard bottom rail locking quick release lock on floor bolt with mortise cylinder lock.**]
7. [**Additional locking bolt with crank handle at the top rail for additional security.**]

F. Locking Systems:

NOTE: Select applicable paragraphs and delete those not required. See F 1-5. (http://www.nanawall.com/products/hsw75/locking)

1. For Between Sliding Panels, where possible, as Straight Units Without an Angle Change (on other locations provide foot activated floor bolt), provide:
   a. concealed edge-operated interlocking floor bolts.

NOTE: Option a. above is standard with other options below. Edit to suit project requirements.

   b. [**self-activated automatic interlocking floor bolts for ease of operation**.]
   c. [**foot activated floor bolt**.]
   d. [**quick release floor bolt with spring loaded security feature**.]

NOTE: Mortise cylinder by others can be either SFIC or LFIC format.

   e. [**floor bolt with mortise cylinder by others, with key operation on either side**.]
   f. [**floor bolt with half mortise cylinder by others, with key operation inside or outside**.]
   g. [**floor bolt with half mortise cylinder by others, that is key operated from outside and a thumb turn on the inside**.]
2. For Between Sliding Panels, where possible, with an Angle Change Less Than 12° between panels (on other locations provide quick release floor bolt), provide:
   a. standard concealed edge-operated interlocking floor bolts.

NOTE: Option a. above is standard with other options below. Edit to suit project requirements.

   b. [**foot activated floor bolt**.]
   c. [**quick release floor bolt with spring loaded security feature**.]
   d. [**floor bolt with mortise cylinder by others, with key operation on either side**.]
   e. [**floor bolt with half mortise cylinder by others, with key operation inside or outside**.]
   f. [**floor bolt with mortise cylinder by others, with key operation from outside and a thumb turn on the inside**.]
3. For Between Sliding Panels, where possible, with an Angle Change Greater Than 12° between panels, provide:
   a. supplier's standard foot activated floor bolt with spring loaded security feature.

NOTE: Option a. above is standard with other options below. Edit to suit project requirements.

   b. [**quick release floor bolt with spring loaded security feature**.]
   c. [**floor bolt with mortise cylinder by others, with key operation on either side**.]

d. [**floor bolt with half mortise cylinder by others, with key operation inside or outside**.]

e. [**floor bolt with mortise cylinder by others, with key operation from outside and a thumb turn on the inside**.]

NOTE: Floor bolt with mortise cylinder is recommended when panel operation control is needed. See F 1-3. (http://www.nanawall.com/products/hsw75/locking)

4. For End Panels as a Sliding Panel Only, provide:

a. standard foot activated floor bolt with spring loaded security feature.

NOTE: Option a. above is standard with other options below. Edit to suit project requirements.

b. [**quick release floor bolt with spring loaded security feature**.]

c. [**floor bolt with mortise cylinder with key operation on either side**.]

d. [**floor bolt with half mortise cylinder by others, with key operation from inside only**.]

e. [**floor bolt with mortise cylinder by others, with key operation from outside and a thumb turn on the inside**.]

f. [**a concealed interlock into adjacent structure**.]

5. For Single/Double Action Panels, provide:

a. supplier's floor bolt with mortise cylinder that is key operated from either side.

NOTE: Option a. above is standard with other options below. Edit to suit project requirements.

b. [**floor bolt with half mortise cylinder by others, with key operation inside or outside**.]

c. [**floor bolt with mortise cylinder by others, with key operation from outside and a thumb turn on the inside**.]

d. [**foot activated floor bolt**.]

e. [**quick release floor bolt with spring loaded security feature**.]

f. [**combination of choices**.]

NOTE: Depending on handle selection for single/double action panels, locking to be at handle height or on bottom rail.

G. Locksets:

1. Bottom rail locking on floor bolt with half mortise cylinder lock, with key operation from inside only.

a. Standard lockset; 1-1/8 inch mortise lockset, Yale cam with key on inside and chrome finish, as a temporary construction core.

NOTE: Option a. above is standard with other options below. Edit to suit project requirements to be supplied by Contractor.

b. [**Small Format Interchangeable Core (SFIC)**.]

c. [**Large Format Interchangeable Core (LFIC)**.]

d. [**Furnished by Section 08 71 00**.]

H. Handles on Single/Double Action Panel(s):

1. push/pull handles on both sides in brushed stainless steel finish with two point fixing and length of 11-13/16 inch (350 mm) and locking located at bottom rail.

NOTE: Option 1. above is standard with other options below. Edit to suit project requirements. Push/pull handles with black bumpers are on each end to minimize impact with glass.

2. [**push/pull handles on both sides in brushed stainless steel finish in custom sizes**.]
3. [**pull handle with push plate set in brushed stainless steel finish with length of 11-13/16 inch (350 mm)**.]
4. [**Tubo100 push/pull handles on both sides in brushed stainless steel finish with locking at handle height**.]
5. [**lever handles on both sides with latch in brushed stainless steel finish (no lock set) and matching strike plate on opposite panel (or secondary swing panel) to be located at handle height**.]
6. [**lever handles in brushed stainless steel finish with locking hardware (no lock set) and options selected from F2**.]
7. [**preparation for lever handles furnished by Section 08 7100**.]

Note: Provide template for holes and cut outs needed in glass).

8. [**no handles but with pull knob in brushed stainless steel finish**.]
9. [**no handles but with rosette in brushed stainless steel finish**.]
10. [**no handles and no knob**.]

I. Panels with Push/Pull Handles, Knobs, Rosettes, or Panic Devices: Provide handle height centered at 41-3/8 inch (105 cm) from bottom of the panel or as indicated otherwise.

J. Other Components:

1. Horizontal Seals: Provide adjustable sealing brush for outside of top rail and no brushes at bottom rail.

NOTE: Standard sealing is adjustable brush for outside of top rail and no brushes at bottom rail.

a. [**adjustable sealing brush for both sides of top rail**.]
b. [**spring loaded sealing brush for outside of bottom rail**.]
c. [**spring loaded sealing brush for both sides of bottom rail**.]

2. Bumpers: Provide recessed polyamide bumpers on one end of sliding panel end caps, at the top and bottom.

NOTE: Bumpers prevent metal-to-metal or glass-to-glass contact.

3. Transparent Vertical Edge Protectors: Between sliding panels, provide UV resistant edge mounted gaskets with a Light Transmission (LT) of 75 percent or higher per ASTM D1003.

NOTE: Standard vertical edge protectors help reduce glass-to-glass contact between adjacent panels.

a. [vertical H-gaskets to prevent differential deflection of two adjacent unsupported sliding glass panels.]

2.04 FABRICATION

A. Extruded aluminum frame and rail profiles, sliding hardware, locking hardware and handles, and glass to construct sliding glass wall.

1. Each unit factory pre-assembled and shipped with all components and installation instructions.
2. Exposed work to be carefully matched to produce continuity of line and design with all joints.
3. No raw edges visible at joints.

2.05 ACCESSORIES

A. [**Folding FSW75**] [**Center pivot CSW75**] systems with finish to match, as indicated. See Door Schedule.

B. [**Single**] [**Double**] doors as indicated. See Door Schedule.

C. Sidelights with finish to match, as indicated. See Door Schedule.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examination and Acceptance of Conditions per Section 01 70 00 and as follows:

1. Carefully examine rough openings with Installer present, for compliance with requirements affecting Work performance.

a. Verify that field measurements, substrates, tolerances, levelness, plumbness, cleanliness and other conditions are as required by the manufacturer, and ready to receive Work.

b. Verify the structural integrity of the header for deflection with live and dead loads limited to the lesser of L/720 of the span or 1/4 inch (6 mm). Provide structural support for lateral loads, and eccentric load when the panels are stacked open.

NOTE: Similar structural support is needed for the stacking bay(s) and any upper track leading to it.

Structural support for lateral loads such as forced entry, etc. to be provided.

It's recommended that all building dead loads be applied to the header prior to installing the unit.

If so, and if a reasonable amount of time has been allowed for the effect of this dead load on the header, only then can the building live load be used to meet the above requirements of L/720 or 1/4 inch (6 mm).

If not, both dead and live loads need to be considered.

2. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

A. General: Install Sliding Glass Partition system in accordance with the Drawings, approved submittals, manufacturers' recommendations and installation instructions, and as follows:

1. Properly seal around opening perimeter.

2. Securely attach anchorage devices to rigidly fit top head track and stacking bay in place, level, straight, plumb and square. Install frame in proper elevation, plane and location, and in proper alignment with other work

3. Install glass panels, handles, lockset and other accessories in accordance with manufacturer’s recommendations and instructions.

3.03 FIELD QUALITY CONTROL

A. Field Tests and Inspections per Section 01 40 00 of the following:

1. Verify the Sliding Glass Partition system operates and functions properly. Adjust hardware for proper operation.

B. Non-Conforming Work: Repair or replace non-conforming work as directed by the Architect; see General and Supplementary Conditions, and Division 01, General Requirements.

3.04 CLEANING AND PROTECTION

A. Keep units closed and protect Sliding Glass Partition installation against damage from construction activities.

B. Remove protective coatings and use manufacturer recommended methods to clean exposed surfaces.

END OF SECTION

DISCLAIMER:

Nana Wall Systems, Inc. takes no responsibility for product selection or application, including, but not limited to, compliance with building codes, safety codes, laws, or fitness for a particular purpose. This guide specification is not intended to be verbatim as a project specification without appropriate modifications for the specific use intended and the particular requirements of a specific construction project.

www.nanawall.com