

**SECTION 08 41 26****ALL GLASS WEATHER RESISTANT SLIDING WALL****PART 1 GENERAL****1.01 SUMMARY**

- A. Section includes furnishing and installing a top-hung, weather resistant, aluminum and glass, individual panel, sliding wall system that includes:
1. Aluminum rails
  2. Top track with parking bay(s)
  3. Side jambs
  4. Sliding panels
  5. Single action end action panel(s)
  6. Sliding/swinging hardware
  7. Locking and interlocking hardware
  8. Top door closer
  9. Sealing brushes with fin
  10. Transparent vertical edge weather seals
  11. Vertical side jamb seals
  12. ADA-compliant low profile saddle sill
  13. Glass and glazing
  14. Insect screen
  15. 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 06 20 00, Finish Carpentry.
  4. Section 07 90 00, Joint Protection.
  5. Section 09 22 16, Non-Structural Metal Framing: Metal framing R.O. and reinforcement.

**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](http://www.aamanet.org)
    - a. AAMA 611, Voluntary Specification for Anodized Architectural Aluminum.
    - b. AAMA 920, Specification for Operating Cycle Performance of Side-Hinged Exterior Door Systems.
    - c. AAMA 1304, Voluntary Specification for Forced Entry Resistance of Side-Hinged Door Systems.

- d. 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](http://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](http://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 E283, Test Method for Rate of Air Leakage through Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference
  - e. ASTM E330, Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference
  - f. ASTM E331, Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
  - g. 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](http://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](http://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](http://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 All Glass Weather Resistant Sliding Wall system and framing R.O.
- B. Pre-installation 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 All Glass Weather Resistant Sliding Wall 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. Product Drawings: Indicate All Glass Weather Resistant Sliding Wall system component sizes, dimensions and framing R.O., configuration, sliding and single action end panels, non-entry single action end panel, direction of swing, stacking layout, typical head jamb, side jambs and sill details, type of glazing material, handle height, and field measurements.

- D. Installation, Operation, and Maintenance Data: Submit Owner's Manual from Manufacturer. Identify 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.**

- E. 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 All Glass Weather Resistant Sliding Wall.**

- 4). MR Credit 3: Materials Reuse - 5% (MRc3.1) or 10% (MRc3.2)

- a). Submit percentage of products made from plant materials with a less than 10-year harvest cycle against the total value of building materials on the project.

- 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 All Glass Weather Resistant Sliding Wall.**

- 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
- 3). EQ Credit 9 (EQc9): Acoustic Performance
  - a). Submit calculations or measurements for occupant spaces to meet sound transmission class ratings between adjacent spaces and reverberation time requirements within a room 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, MRc6, 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, EQc9

**1.05 QUALITY ASSURANCE**

- A. **Manufacturer Qualifications:** Manufacturer capable of providing complete, precision built, engineered, pre-fitted units with a thirty five (35) plus years' experience in the sale of folding-sliding door systems for large openings in the North American market.
  - 1. Manufacturer to have ISO 9001: 2015 quality management system registration.
  - 2. Manufacturer to have ISO 14001: 2015 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.

**NOTE:** Having a trained and certified installer doubles the warranty coverage from five (5) to ten (10) years.

- 1. Installer to be trained and certified by manufacturer.
- C. **Single Source Responsibility:** Furnish All Glass Weather Resistant Sliding Wall 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 the 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.), parking bay areas, and floor bolt socket locations. Mark field measurements on product drawing submittal.

**1.08 WARRANTY**

- A. **Manufacturer Warranty:** Provide All Glass Weather Resistant Sliding Wall 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. Transparent Vertical Edge Weather Seal UV Resistance: Five (5) years
    - c. All Other Components Except Screens: Ten (10) years
      - 1). Exception: Five (5) years if NOT installed by manufacturer's specific system approved or certified trained installer.

**PART 2 PRODUCTS****2.01 MANUFACTURERS**

- A. **Basis-of-Design Product by Manufacturer:** **NanaWall ClimaCLEAR™** by **NANA WALL SYSTEMS, INC.** ([www.nanawall.com](http://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](mailto: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): **Low Profile Saddle Sill - Inward/Outward Opening**

**NOTE:** Forced entry testing results are only applicable for the test unit type of locking.  
 Standard 1/2 inch (12 mm) thick tempered glass was used for testing.  
 Weeps are to be drilled in the field by the installer to manufacturer's requirements.  
 See manufacturer's latest published data regarding performance.

1. Air Infiltration (ASTM E-283):
  - a. 0.46 cfm/ft<sup>2</sup> (0.09 L/s/m<sup>2</sup>) at a static air pressure difference of 1.57 psf (75 Pa)
2. Water Penetration (ASTM E-331, ASTM E-547): No uncontrolled water leakage at a static test pressure of 3 psf (150 Pa) with weeps.

**NOTE:** To accommodate higher structural wind loads using thicker glass, contact NanaWall.

3. Structural Loading (ASTM E-330):
  - a. Design Pressure - Positive: 30 psf (1436 Pa)
  - b. Design Pressure - Negative: 30 psf (1436 Pa)
4. Forced Entry (AAMA 1304, DIN EN 1191): Pass
5. Single Action End Panel and Non-Entry Single Action End Panel with Offset Hinge – Operation / Cycling Performance
  - a. (DIN EN ISO 12400): 100,000 cycles
  - b. (AAMA 920): 500,000 cycles
6. Distributed Load 50 lb. across glass (IBC 2403.4): <0.1"  
 (Applies between sliding only panels and not for single action end panel/non-entry single action end panel or end sliding panels.)
7. Operating Force (ASTM E-2068):
 

	Initiate Motion	Maintain Motion
a. Sliding Panel:	1.5 lbf (7 N)	1 lbf (4 N)
b. Single Action End Panel:	1 lbf (4 N)	1 lbf (4 N)

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 single action end panel/non-entry single action end panel, and location of tracks and parking bays.
2. Unit Operation: Non-sliding single action end panel(s) with sliding panels. Adjustable sliding hardware with top track.
3. Mounting Type: Top-hung
4. Panel Configuration:
  - a. [ Straight ]
  - b. [ 90° open corner ]
  - c. [ Window / door combination ]
  - d. [ 135° segmented corner ]
5. Stack Storage Configuration:

**NOTE:** Select standard stack storage configuration from (<https://www.nanawall.com/resources/climaclear/configurations/parking-bay-configurations> )

- a. Perpendicular to wall: Select from Parking Bay A, I, and R
- b. Parallel to wall: Select from Parking Bay E, G, L, M, and P

**NOTE:** As NanaWall has thousands of custom parking bay configurations, please contact NanaWall Conceptual Drawing Service or visit <https://www.nanawall.com/configure?config=4&system=ClimaCLEAR> to customize a solution.

- c. [ Custom configuration ]

6. Sill Type: ADA-compliant, Low profile saddle sill.

## 2.03 MATERIALS

**NOTE:** NanaWall panel interlocks are patented (Patent No. US10590694).

- A. All Glass Weather Resistant Sliding Wall Description: All glass, top-hung, single track sliding system with panel interlocks, glass panels, and vertical and horizontal seals. Manufacturer's standard top and bottom rail profiles, with head track, parking bays, side jambs, single action end panels, non-entry single action end panel and low profile saddle sill with dimensions as shown on Drawings.

1. Panel Size (W x H):

As indicated.

**NOTE:** Max. W x H sliding panel width up to 4' 1" (1.25 m) and unit height up to 10' 6" (3.2 m).

Maximum 10' 6" (3.2 m) height is based on GANA recommendation for 1/2 inch (12 mm) glass. Verify glass with authorities having jurisdiction.

Maximum height is dependent on-site wind load requirements.

W x H single action end panel width from 1' 8" (500 mm) up to 3' 7" (1.1 m) and unit height up to 10' 6" (3.2 m).

Unless otherwise noted, non-sliding single action end panels are the same width as sliding panels. If a narrower dimension is needed to meet pocket constraints, insert dimensions below to meet project requirements.

- |  |   |
|--|---|
| 1. Single Action End Panel Width:  | <b>&lt; insert dimension &gt;</b>       |
| 2. Head Track Height x Depth:  | 3-1/16 x 2-3/4 inch (78 x 70 mm)        |
| 3. Top and Bottom Rail Depth:  | 2-3/16 inch (56 mm)                     |
| 4. Top and Bottom Rail Height:   | 4-1/8 inch (104 mm)                     |
| 5. Rail End Cap:   | Male/female interlock.                  |
| 6. Sill Type:  | ADA-compliant, low profile saddle sill. |
| 7. Aluminum Extrusions: AlMgSi0.5 alloy, EN AW - 6060-T66 with nominal thickness of 0.078 inch (2.0 mm)                                |   |
| 8. Aluminum head track, side jambs, hinges, low profile saddle sill, and face and edges of top and bottom rails with panel interlocks. |   |

**NOTE:** Finishes can be mixed and matched. For example, tracks can be white with all other aluminum extrusions clear anodized.

Extruded aluminum low profile saddle sill can be either clear or dark bronze anodized. To match the ceiling, recessed head track can be offered with powder coat RAL 9016 Traffic White finish.

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. ]
  - b). [ custom finish. ]
- 2). Gloss - Finish:
  - a). [ High Gloss ]
  - b). [ Matte ]

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 Single Lite Glass:

**NOTE:** Standard tempered glass is 1/2 inch (12 mm) thick.

Standard glass is “Reduced iron” heat soaked tempered. For “Low iron” with Light Transmission (LT) 89%, contact NanaWall.

H-profile is standard with 1/2 inch (12 mm) glass to meet IBC 2403.4 requirement for 5 lb. and 50 lb. load testing.

Laminated glass has less structural strength than tempered glass.

When considering laminated glass, other options include:

Acoustic laminated with double interlayer, 1/2 inch (13 mm) thick. Baseball impact laminated with quadruple interlayer; 17/32 inch (13.5 mm) thick.

- a. Glass Thickness: [ 1/2 inch (12 mm) ] [ 1/2 inch (13 mm) ] [ 17/32 inch (13.5 mm) ]
- b. Glass Type: [ Tempered ] [ Laminated ]
- 3. Edges: Flat butt with polished/ground for exposed edges.
- 4. Factory Glazing:
  - a. Clamp installed for equal distribution of weight.
  - b. Glass edge top rail clearance to be no more than 1/8 inch (3 mm) with a minimum 7/8 inch (22 mm) bite.
  - c. Glass installed with bolts only is 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: 330 lbs. (150 kgs).
  - a. Carriers on panels to be installed such that each panel can be intelligently guided into the parking bay without error and with single hand operation.
  - b. Non-single handed operation, not acceptable.
- 3. Adjustment: Provide system capable of specified amount of adjustments without removing panels from tracks.
- D. Hardware on Single Action End Panel(s) Operable from Both Sides:
  - 1. Standard brushed stainless steel Reverse Locking Ladder Pull handle starting at the top and extending down to hand height, with mortise key/key cylinder.
  - 2. Offset hinged panels capable of swinging 150° inswing and 110° outswing.
  - 3. Floor bolt with mortise key/key cylinder on bottom rail.

**NOTE:** Items 1, 2, and 3 above are standard. 4 and 5 are optional. Edit to suit project requirements.

- 4. Standard top door closer with hold open function.
- 5. ADA-compliant (5-1/2 inch (140 mm) high), acrylic chamfer rail adapter 1-3/8 inch (35 mm) high by 7/8 inch (22 mm) thick.
- E. Hardware on Non-Entry Single Action End Panel Operable from Inside Only:
  - 1. Locking bolt with crank handle at the top rail.
  - 2. Offset hinged panel that can swing 180°.



**NOTE:** Items 1 and 2 above are standard. Other locking options below. Edit to suit project requirements.

3. Floor bolt with mortise key/key cylinder on bottom rail.

**NOTE:** 5 and 6 are optional. Edit to suit project requirements.

4. Standard top door closer with hold-open function.
5. ADA compliant (5-1/2 inch (140 mm) high), acrylic chamfer rail adapter 1-3/8 inch (35 mm) high by 7/8 inch (22 mm) thick.
6. Handles:

**NOTE:** Push/pull handles with black bumpers are on each side to minimize impact with glass.

- a. Standard push/pull handles on both sides in brushed stainless steel finish; 13-13/16 inch (350 mm) long.

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

- b. [ Push/pull handles on both sides in brushed stainless steel finish; 19-11/16 inches (500 mm) long. ]
- c. [ Push/pull handles on both sides in brushed stainless steel finish; 29-17/32 inches (750 mm) long. ]
- d. [ Push/pull handles on both sides in brushed stainless steel finish; 39-3/8 inches (1000 mm) long. ]
- e. [ Push/pull handles on both sides in brushed stainless steel finish; 47-1/4 inches (1200 mm) long. ]
- f. [ Push/pull handles on both sides in brushed stainless steel finish; 59-1/6 inches (1500 mm) long. ]
- g. [ Push/pull handles on both sides in brushed stainless steel finish; 70-55/64 inches (1800 mm) long. ]
- h. [ Pull handle with push plate set in brushed stainless steel finish; 13-13/16 inches (350 mm) long. ]
- i. [ Custom push/pull handles (by others). ]

**NOTE:** Provide template for holes and cut outs needed in glass.

- j. [ No handles but with pull knob in brushed stainless steel finish. ]
- k. [ No handles and no knob. ]

- F. Panels with Push/Pull Handles or Knobs: Provide handle height centered at 41-3/8 inch (105 cm) from bottom of the panel or as indicated otherwise.
- G. Mortise Cylinder: 1-1/8 inch mortise lockset, Yale cam clear anodized finish, as a temporary construction core.
  1. Final locking by others: key operation
    - a. Key operation from either side
    - b. Key operation inside or outside only
    - c. Key operation from outside with a thumb turn on the inside, only with Reverse Locking Ladder Pull Handle.
  2. Final locking by others: format
    - a. [ Small Format Interchangeable Core (SFIC).]
    - b. [ Large Format Interchangeable Core (LFIC).]
    - c. [ Furnished by Section 08 71 00 ]

## H. Other Locking:

1. For Between Sliding Panels, provide foot activated locks for floor bolts.
2. For Floor Bolts, provide side adjustable locking points recessed in ADA-compliant low profile saddle sill.

## I. Other Components:

1. Horizontal Seals: At top and bottom rails, provide sealing brush with double fins on the inside and the outside.
2. Transparent Vertical Edge Seals: Between panels, provide UV resistant edge mounted gaskets with Light Transmission (LT) of 75 percent or higher per ASTM D1003.
  - a. H-profile acts as a permanent fastener and capture the edges to prevent differential deflection of two adjacent unsupported All Glass Sliding panels per IBC 2403.4. Applies between sliding only panels and not for single action end panel or end sliding panel. For single action end panel adjacent to a sliding panel, a h-profile is supplied.

**NOTE:** Vertical edge seals help reduce air and water penetration, glass-to-glass contact, and sound transmission.

3. Vertical Side Jamb Seals: Between side jambs and panels, provide double Q-Lon seals.

## 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. **Insect Screen by Others:** Fully retractable non-pleated screen made of ultra-strong, UV resistant fiberglass mesh housed in a single cartridge riding on a single track.
  1. Basis-of-Design Product by Manufacturer: **The Horizon by Wizard Industries, Inc.**

**WIZARD INDUSTRIES, INC.**

4263 Phillips Ave, Burnaby, BC, Canada V5A 2X4

Toll Free: (888) 949-3667

Telephone: (604) 299-8878

Fax: (604) 299-4496

Email: [sales@wizardindustries.com](mailto:sales@wizardindustries.com)

<https://www.wizardscreens.com/>

**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 loads when the panels are stacked open.

**NOTE:** Similar structural support is needed for the parking 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 All Glass Weather Resistant Sliding Wall 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 parking 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.
  4. Sill drainage connection by others.

### 3.03 FIELD QUALITY CONTROL

- A. Field Tests and Inspections per Section 01 40 00 of the following:
  1. Verify the All Glass Weather Resistant Sliding Wall 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 All Glass Weather Resistant Sliding Wall 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 requirements of a specific construction project.

[www.nanawall.com](http://www.nanawall.com)