

Ultra W-SL

Part 1 – General

1.01 Summary

- A. Section includes:
 - 1. Sliding Window

1.02 References

- A. National Fenestration Rating Council (NFRC)
- B. American Architectural Manufacturers Association (AAMA)
- C. American Society for Testing and Materials (ASTM)
- D. Aluminum Association (AA)

1.03 System Description

- A. Design Requirements: Ultra W-SL.

1.04 Performance Requirements: Each assembly shall be tested by a recognized testing laboratory or agency in accordance with specified test methods.

- 1. Conformance to LC-PG 35 specifications in AAMA/WDMA 101/I.S. 2/A440.
 - a) Air Infiltration: Accordance with ASTM E 283 at a static air pressure difference of 1.57 psf. Air infiltration shall not exceed .30 cfm per square foot.
 - b) Water Resistance: Accordance with ASTM E 331/ASTM E 547 at a static air pressure difference of 9 psf. No water leakage.
 - c) Uniform Load Structural: Aluminum window systems comply with AAMA/WDMA/CSA 101/I.S.2/A440, Voluntary specifications for aluminum windows.

1.05 Quality Assurance

- A. Single Source Responsibility:
 - 1. Obtain entrances, storefronts, ribbon walls, window walls, curtain walls, window systems, and finish through one source from a single manufacturer.
- B. Provide test reports from AAMA accredited laboratories certifying the performances as specified in 1.04.

1.06 Warranty

- A. Warranted against failure and/or deterioration of metals due to manufacturing process for a period of two (2) years.

Part 2 – Products

2.01 Product

- A. Acceptable Products:
 - 1. Ultra W-SL

2.02 Materials

- A. All windows shall be fabricated from aluminum extrusions of 6063 or 6060 T5 or T6 alloy and temper with a minimum of 0.047" for all members, including frame, sash and optional sash dividers. The aluminum shall be free of defects which impair strength and appearance.
- B. Component parts and accessories shall be of aluminum alloy, stainless steel or non-metallic materials which will neither deteriorate nor promote corrosion.
- C. Thermal break barrier shall provide a continuous uninterrupted thermal separation around the entire perimeter of the frame and sash and shall not be bridged by any metal conductor at any point.
- D. Sash members shall have a minimum of 3/8" glass penetration into the aluminum to provide extra protection against "blow out" during high wind conditions.

2.03 Finish

- A. Finish all exposed areas of aluminum and components as indicated.
 - 1. Powder coating
 - a. Architectural Class I
 - (a) Color powder coating confirming with AAMA2603 and 1 year Florida specifications.
 - (b) Powder Coating finish shall be chosen from finish guide.
 - (c) Finishes: Gloss / Satin / Matt / Texture
 - (d) Product application is recommended for use in normal weathering environments or internal applications.
 - (e) Warranty up to 10 years depending the weather condition and area
 - b. Architectural Class II
 - (a) Color powder coating confirming with AAMA2604 and 3 and 5 years Florida specifications
 - (b) Powder Coating finish shall be chosen from finish guide.
 - (c) Recommended for all buildings where optimum architectural, aesthetic, technical and economic performance is required.
 - (d) Warranty up to 15 years depending the weather condition and area
 - c. Architectural Class III
 - (a) Color powder coating confirming with AAMA2605 and 10 years Florida specifications
 - (b) Powder Coating finish shall be chosen from finish guide.
 - (c) Finishes: Matt
 - (d) Recommended for all prestigious and monumental buildings and in extreme environments.
 - (e) Warranty up to 20 years depending the weather condition and area
 - d. Acceptable Coatings Manufacturers:
 - (a) Interpon

Part 3 – Execution

3.01 Examinations

- A. Examine conditions and verify substrate conditions are acceptable for product installation.

3.02 Installation

- A. Install in accordance with approved shop drawings and manufacturers installation instructions.

3.03 Field Quality Control

- A. Contractor's responsibility to make all necessary final adjustments to attain normal operation of each window and its mechanical hardware.

END OF SECTION