**Ultra W-SL**

**Part 1 – General**

1. Summary
   1. Section includes:
      1. Sliding Window
2. References
   1. National Fenestration Rating Council (NFRC)
   2. American Architectural Manufacturers Association (AAMA)
   3. American Society for Testing and Materials (ASTM)
   4. Aluminum Association (AA)
3. System Description
   1. Design Requirements: Ultra W-SL.
4. 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.
5. 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.
6. Water Resistance: Accordance with ASTM E 331/ASTM E 547 at a static air pressure difference of 9 psf. No water leakage.
7. Uniform Load Structural: Aluminum window systems comply with AAMA/WDMA/CSA 101/I.S.2/A440, Voluntary specifications for aluminum windows.
8. Quality Assurance
   1. Single Source Responsibility:
      1. Obtain entrances, storefronts, ribbon walls, window walls, curtain walls, window systems, and finish through one source from a single manufacturer.
   2. Provide test reports from AAMA accredited laboratories certifying the performances as specified in 1.04.
9. Warranty
   1. Warranted against failure and/or deterioration of metals due to manufacturing process for a period of two (2) years.

**Part 2 – Products**

1. Produc
   1. Acceptable Products:
      1. Ultra W-SL
2. Materials
   1. 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.
   2. Component parts and accessories shall be of aluminum alloy, stainless steel or non-metallic materials which will neither deteriorate nor promote corrosion.
   3. 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.
   4. 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.
3. Finish
   1. Finish all exposed areas of aluminum and components as indicated.
      1. Powder coating
         1. Architectural Class I
            1. Color powder coating confirming with AAMA2603 and 1 year Florida specifications.
            2. Powder Coating finish shall be chosen from finish guide.
            3. Finishes: Gloss / Satin / Matt / Texture
            4. Product application is recommended for use in normal weathering environments or internal applications.
            5. Warranty up to 10 years depending the weather condition and area
         2. Architectural Class II
            1. Color powder coating confirming with AAMA2604 and 3 and 5 years Florida specifications
            2. Powder Coating finish shall be chosen from finish guide.
            3. Recommended for all buildings where optimum architectural, aesthetic, technical and economic performance is required.
            4. Warranty up to 15 years depending the weather condition and area
         3. Architectural Class III
            1. Color powder coating confirming with AAMA2605 and 10 years Florida specifications
            2. Powder Coating finish shall be chosen from finish guide.
            3. Finishes: Matt
            4. Recommended for all prestigious and monumental buildings and in extreme environments.
            5. Warranty up to 20 years depending the weather condition and area
         4. Acceptable Coatings Manufacturers:
            1. Interpon

(or)

**Part 3 – Execution**

1. Examinations
   1. Examine conditions and verify substrate conditions are acceptable for product installation.
2. Installation
   1. Install in accordance with approved shop drawings and manufacturers installation instructions.
3. Field Quality Control
   1. Contractor’s responsibility to make all necessary final adjustments to attain normal operation of each window and its mechanical hardware.

**END OF SECTION**