**Ultra W-TT**

**Part 1 – General**

1. Summary
   1. Section includes:
      1. Casement / Tilt Turn Windows
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-TT is a single source package of Window, Window Frame and hardware that is engineered for moderate traffic.
4. Performance Requirements: Each assembly shall be tested by a recognized testing laboratory or agency in accordance with specified test methods.
   * 1. Conformance to C-AW-45 specifications in AAMA/NWWDA 101/I.S. 2/A440.
5. Air Infiltration: Accordance with ASTM E 283 at a static air pressure difference of 6.24 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 12 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. Products warranted against failure and/or deterioration of metals due to manufacturing process for a period of two (2) years.

**Part 2 – Products**

1. Product
   1. Acceptable Products:
      1. Ultra W-TT
      2. Major portions of the window stiles a nominal .051 inches.
2. Materials and Accessories
   1. Window members: Extruded 6063 or 6060 T5 or T6 aluminum alloy (ASTM B221-Alloy G.S. 10a T6).
   2. Screws, fastening devices, and internal components: Aluminum, stainless steel, or zinc plated steel in accordance with ASTM A-164. Shall be aluminum or steel, providing the steel is properly isolated from aluminum.
   3. Glazing Gasket (compression-type design).
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

**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. Make all necessary final adjustments to attain normal operation of each door and its mechanical hardware.

**END OF SECTION**