Part 1 – General

1.01 Summary
A. Section includes:
1. Glazed Aluminum Curtain Wall
B. Related Sections:

1.02 References
A. American Architectural Manufacturers Association (AAMA)
B. American Society for Testing and Materials (ASTM)
C. Aluminum Association (AA)

1.03 System Description
A. General: In addition to requirements shown or specified, comply with:
1. Applicable provisions of AAMA Metal Curtain Wall Manual for design, materials, fabrication and installation of component parts.
B. Design Requirements: Arcadia T500 Series is a self-supporting curtain wall, with pressure plate and covers attached to the tongue of back member. Provides for two color capability.
C. Performance Requirements:
1. Uniform Load Structural牞 The system shall not deflect more than 1/8” at the center point, or 1/16” at the center point of a horizontal member, when tested in accordance with ASTM E330.
2. Uniform Load Deflection牞 The system shall not deflect more than L/175 of the clear span or 3/4”, when tested in accordance with AAMA 501.1-94 with a dynamic test pressure of 15PSF.
3. Dynamic Water Resistance: The system shall not leak water when measured in accordance with AAMA 501.2-
4. Condensation Resistance Factor (CRF) in accordance with AAMA 1503.1-88 shall not be less than 55.
5. Sound transmission in accordance with ASTM E90.
6. Seismic testing shall conform to AAMA recommended seismic test method.
7. System shall provide for two-piece horizontal framing so that members will be concealed.

1.04 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. Acceptable Products:

2.02 Framing Materials and Accessories
A. Acceptable Coatings Manufacturers:
(a) Extrusion: Minimum 0.20 mil.
(b) Color Coat: 70% PVDF, dry film thickness.
(c) Primer: Manufacturer’s standard resin base compatible coating. Dry film thickness.
1. Fluorocarbon Coating: AAMA 2605.2.
2. Polyester Coating: AAMA 501.3.
4. polyester Coating: AAMA 501.5.
5. Color Coat: 70% PVDF, dry film thickness.
1. An Architectural Class II or I color anodic coating conforming with AA-M12C22A34/AA-M12C22A44.
2. Anodize finish color shall be Colorodic ______ (AB1 Light Champagne, AB2 Champagne, AB3 Light Bronze, AB4 Medium Bronze, AB5 Standard Medium Bronze, AB6 Dark Bronze, AB7 Standard Dark Bronze, AB8 Black.)

2.03 Finish
A. Finish all exposed areas of aluminum and components as indicated.
1. An Architectural Class II or I color anodic coating conforming with AA-M12C22A34/AA-M12C22A44.
2. Anodize finish color shall be Colorodic ______.

2.04 System Fabrication
A. Provisions shall be made at all sealed horizontals to keep moisture accumulation to the exterior.
B. System shall provide for two-piece horizontal framing so that all fasteners at intersection of horizontal and vertical members will be concealed.
C. There shall be no exposed fasteners at perimeter sections.

Part 2 – Products

2.01 Manufacturers
A. Acceptable Manufacturers:
B. Acceptable Products:

2.02 Framing Materials and Accessories
A. Acceptable Manufacturers:
1. BASF
2. Valspar Corporation
3. PPG Industries, Inc.

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. Test the curtain wall for water leaks in accordance with AAMA 501.2. Conduct test in the presence of the Architect. Correct deficiencies observed as a result of this test.

END OF SECTION