PART 1   GENERAL

1.1 Design Guidelines

1. Bronze or grey colors are preferred at tinted glazing.
2. Framing Finishes: Anodized or electrostatically painted finishes.
3. Provide expansion joints in system as required.
4. Install system per manufacturer’s recommendations.
5. Consider effect of daylighting and solar orientation on building energy use. See Division 16 for photometric and occupancy sensors.

1.2 Performance Standards

1. Wind Loading: Design system per applicable codes and per ASTM E330. Deflection limit is to be 1/200 or limit of glass, whichever is less.
2. Air infiltration: Limit to 0.06 cfm/min/sq. ft. measured in accordance with AAMA 501.2 and ASTM E283.
3. Water Leakage: None; to be measured in accordance with AAMA 501.2.
4. System Drainage: Provide internal drainage system to weep accumulated moisture to exterior.
5. Condensation Resistance Factor (CRF): CRF value is to be a minimum of 45 in accordance with AAMA 1503.
6. Energy Efficiency Standard: Maximum U value for unit is to be 0.65. Perform a building life cycle analysis to determine if lower values are cost effective.
7. Warrantee: 5 years
8. System to be fabricated and installed by a firm with a minimum 3 years experience with the specified products. Installers are to be approved by the manufacturer.

PART 2   PRODUCTS

2.1 System Description

1. Extruded aluminum, thermally broken curtain wall framing.
2. 1” insulated glazing. See Section 08810. Comply with applicable code requirements for safety glazing.
3. Sealants: Perimeter and glazing sealants; See Section 07900.

4. Specified system shall be provided thru a single source.

2.2 Acceptable Manufacturers

1. Kawneer
2. Efco
3. Amarlite