SECTION 08 51 13 - ALUMINUM WINDOWS

PART 1 - GENERAL

1.1 SYSTEM REQUIREMENTS

A. Design Requirements:
1. Provide aluminum metal windows; wood and steel windows not permitted.
2. Operable windows are prohibited.
3. Provide aluminum windows capable of being re-glazed from either inside or outside.

B. Performance Requirements:
   a. Minimum Performance Class: AW.
   b. Minimum Performance Grade: 100.
2. Air Infiltration: 0.1 cfm/sq. ft. when tested according to ASTM E 283 at a minimum static-air-pressure difference of 6.24 lbf/sq. ft.
3. Water Penetration under Static Pressure: No water penetration when tested according to ASTM E 331 at a minimum static-air-pressure difference of 15 lbf/sq. ft.
4. Thermal Transmittance: 0.58 Btu/sq. ft. x h x deg F maximum based on use of 1 inch clear insulating glass.
5. Condensation Resistance: No condensation shall form on interior surfaces of aluminum glazing at exterior and interior winter design temperature and relative humidity.

PART 2 - PRODUCTS

2.1 ALUMINUM WINDOWS

A. Basis-of-Design Product: Subject to compliance with requirements, provide Kawneer Isolock Window Model 8225TL or comparable product from one of the following:
1. EFCO Corporation.
2. Wausau Window and Wall Systems.

B. Frames and Sashes: Thermally improved aluminum extrusions.


PART 3 - EXECUTION (Not Applicable)

END OF SECTION 08 51 13