

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:
 - 1. Product Standard: AAMA/WDMA/CSA 101/I.S.2/A440.
 - 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.

- C. Aluminum Finish: High-performance organic coating.

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 08 51 13