

SECTION 08520
ALUMINUM WINDOWS

PART 1 - GENERAL

1.1 SUMMARY:

A. Section Includes:

1. Operable and fixed aluminum windows.

B. Related Sections:

1. Section 07900 - Joint Sealers
2. Section 08410 - Aluminum Entrances and Storefronts: Storefront used for window framing
3. Section 08800 - Glazing

1.2 SUBMITTALS:

- A. Submit two samples 12" long of specified finish on window frame sections showing range of color variation.
- B. Submit certified test reports indicating windows conform to specified performance requirements.
- C. Submit manufacturer's certified thermal performance test results (ANSI/AAMA 1502.6) showing a condensation resistance factor (CRF) of at least 45.

1.3 QUALITY ASSURANCE:

- A. Manufacturers Qualifications: Not less than five years experience in the manufacture of aluminum windows of type specified for the project.
- B. Erector Qualifications: Not less than five years experience in the installation of aluminum windows.
- C. Standards of Performance and Workmanship: ANSI/AAMA 101, and the applicable general recommendations published by AAMA and AA.
- D. Design Criteria:
 1. Specific type and model aluminum window by a single manufacturer. Equivalent windows may be provided if deviations in dimensions and profiles are minor and do not materially detract from the design concept as judged solely by the Architect.
 2. Design wind velocity at the site is 100 mph.

- E. Performance and Testing: Comply with the air infiltration tests, water resistance tests and applicable load tests specified in ANSI/AAMA 101 for the type and classification of window unit required.

PART 2- PRODUCTS

2.1 MANUFACTURERS:

- A. Kawneer
- B. EFCO Corp.
- C. Milco Div., Wausau Metals Corp.
- D. Peerless Products
- E. Approved substitute

2.2 MATERIALS:

A. Window Units:

1. ANSI/AAMA Specification P-HC-40 operable and HC-50 fixed.
2. Include mullions, covers, trim, accessories, and operating hardware.
3. Screens (to be provided at all operable windows): Coated aluminum wire complying with FS RR-W-365.
4. Weatherstripping: Required at all windows.

OBTAIN APPROVAL FROM UCB STAFF BEFORE USING CASEMENTS, AWNINGS, HOPPERS, OR SLIDING WINDOW UNITS. AWNING AND CASEMENT WINDOWS ARE PREFERRED IN THAT ORDER.

B. Thermal-Barrier Construction:

1. Integrally concealed thermal barrier, located between extrusions which eliminates direct metal-to-metal contact between exterior and interior.

C. Glazing Compounds: Containing no asbestos.

PART 3 - EXECUTION

Not Used

END OF SECTION 08520