

WINDOW SPECIFICATIONS

BUTLER WINDOW SPECIFICATIONS

Butlerib® II / Shadowall / StylWall® / Butler Thermawall

1. General

- 1.1 Windows shall be aluminum fixed, project-in, or horizontal slide.
- 1.2 Window shall meet requirements of the Architectural Aluminum Manufacturers Association Specification 101-85. Fixed F-HC50, Project-in P-C50, and Horizontal Slide HS-C35.

2. Size and Type

- 2.1 Windows are available in the following sizes and types; for **Butlerib®II** and **Shadowall** wall systems
Fixed 2' x 6', 3' x 3', 4' x 4'- 6", 6' x 3', 3 x 1'- 6"
Project-In 2' x 6', 4' x 4'- 6"
Horizontal Slide 3' x 3', 6' x 3', 3' x 1'- 6"
- 2.2 Windows are available in the following sizes and types: for **StylWall®**
Fixed 2'- 8" x 6', 4' x 3', 4' x 4'- 6", 5'-4" x 3'
Project-In 2'-8" x 6' & 4' x 4'- 6"
Horizontal Slide 4' x 3', 5'-4" x 3'
- 2.3 Windows are available in the following sizes and types; for **Butler Thermawall** wall systems
Fixed 2' x 6', 3' x 3', 4' x 4'- 6", 6' x 3'
Project-In 2' x 6', 4' x 4'- 6"
Horizontal Slide 3' x 3', 6' x 3', 4' x 4'- 6"

3. Materials

- 3.1 Aluminum shall be commercial quality and of proper alloy for window construction, free from defects impairing strength and/or durability. Where aluminum extrusions are used for the main frame, they shall have a guaranteed minimum ultimate tensile strength of 22,000 psi and a yield of 16,000 psi.
- 3.2 Main frame and sash members shall have a nominal wall thickness of not less than 0.062".

- 3.3 Screws, nuts, washers, bolts, rivets and other miscellaneous fastening devices incorporated in the windows shall be of aluminum, stainless steel or other noncorrosive materials compatible with aluminum, and shall be of sufficient strength to perform the functions for which they are used.

- 3.4 Hardware having component parts which are exposed shall be of aluminum, nonmagnetic stainless steel or other noncorrosive materials compatible with aluminum, and shall be of sufficient strength to perform the functions for which it is used. The windows shall be equipped with locks and pulls of suitable materials and shall provide reasonable security against forced entry.
- 3.5 Weather-strip shall be of materials compatible with aluminum which will not promote corrosion and shall be resistant to deterioration by all forms of weathering.
- 3.6 All window components shall have a polyurethane thermal break to help reduce thermal transfer through the frame.

4. Construction

- 4.1 The windows shall be assembled in a secure and workman-like manner to perform as specified and to assure neat and weathertight construction. A permanent watertight joint shall be made at the junction of the sill and side frame members.
- 4.2 Frames shall be constructed to permit movement of operating sash. Meeting stiles shall contact tightly with each other or with weatherstripping. Sash shall not be removable from the outside when locked.
- 4.3 The hardware shall be securely Attached to the window.
- 4.4 All references herein to dimensions for wall thickness of window members are nominal dimensions to which the standard wall thickness tolerances published by The Aluminum Association shall apply. The overall size tolerance shall be within plus or minus 1/16".

5. Finish

- 5.1 All surfaces of the aluminum members or assemblies shall be thoroughly cleaned of all surface contamination.
- 5.2 Exposed surfaces shall be painted with Kynar baked enamel, dark bronze color per AAMA specifications 2604.

6. Glazing

- 6.1 The glazing material must be particularly adapted for use with aluminum windows. Glazing shall be accomplished by back bedding materials using metal or vinyl interior or exterior face stops. Factory glazing methods and materials shall be warranted against leakage due to glazing by the window manufacturer for a period of one year.
- 6.2 Windows shall be completely assembled and either factory glazed or open for field glazing. Factory glass shall be DSB clear annealed w/ 5/8" insulated glass in the sliders and 1" in the fixed lites.
- 6.3 Tempered glass, when specified, shall be in compliance with "Safety Standard for Architectural Glazing Materials 16 CFR 1201".

7. Screens

- 7.1 Screens shall be fabricated from standard roll formed frames, with fiberglass screen mesh.
- 7.2 Frame shall be of sufficient rigidity to lie flat against window and prevent excessive bow in frame members and sag in screening.
- 7.3 Screens shall be provided with approved fastening devices, and of aluminum or a material compatible with aluminum .