PART 1 - GENERAL

1.01 Manufactured pultruded fiberglass framed window systems inclusive of factory-formed windows and frames, closure members, reinforcement, shims, accessories, anchorage devices and miscellaneous fasteners, concealed and non-concealed, and flashing and trim for weather-tight system.

A. Do not use windows with nailing fins.

B. Design compliance:
   1. Infiltration: Maximum 0.03 cfm/foot.
   2. Maximum U value at center of glass of .25 BTU/hr-ft²-F
   3. No condensation on the interior windows or frames at the expected interior temperature and humidity and the outside air temperature at -55 degrees F.

C. Include insect screens

1.02 Quality assurance:

A. Manufacturer's qualifications: Minimum of 5 years experience in manufacturing plastic windows and frames.

1.03 Warranty: Manufacturer's standard ten (10) year warranty against material defects in manufacture including hardware failure of any kind: screws stripping, frames and sashes failing during normal use.

A. Windows: Guaranteed to operate under any normal temperature and humidity condition for Fairbanks, Alaska.

B. Insulated glass: Guaranteed against seal failures causing clouding or fogging of any kind between glass for ten (10) years.

PART 2 - PRODUCTS

A. Frames shall be a minimum of 2-3/8 inches deep, and in compliance with:
   1. AAMA 101/1.S.2, Rating C60

B. Nominal wall thickness: minimum 0.090 inches

C. Minimum glass content: 60 percent.

D. Frame and sash corners chemically bonded or are connected with molded reinforced polymen sheaf blocks and mechanically secured. Joints are factory sealed and neatly fitted together.
E. Finish:

1. All exposed surfaces:
   a. Coating: Gurable, Isocyanate-free, 2-part Polymer enamel.
   b. Thickness: Minimum dry film thickness of 1 mil.

2. Finish shall not blister, crack, or peel under normal atmospheric conditions.

3. Color: Custom color as selected.

F. Hardware:

1. Sash locks and handles to provide security and permit easy operation of units.

2. Color: Color as selected from full range of manufacturer’s standard colors.

3. Hardware shall be screw attached with tamperproof screws.

4. Locks: provide operation sash with spring loaded locking device: provide automatic locking in closed position, cam-locks.

5. Single operating handle options and universal interlocked components with lock spacing adaptable to sash size.

G. Weatherstripping at operable sash:

1. Neoprene, thermoplastic rubber, or EPDM.

2. Flexible at minimum design temperature.

H. Insect Screens: Provide insect screens on operable units.

PART 3 EXECUTION (NOT USED)

END OF SECTION