

TECHNICAL SPECIFICATIONS

VINYLOCK® DOUBLE HUNG REPLACEMENT WINDOW

GENERAL

Windows shall be Vinylock® double hung as manufactured by Lockheed Window Corp., Route 100, Pascoag, Rhode Island. Windows shall meet or exceed AAMA/WDMA/CSA 101/LS.2/A440-05 H-LC-40, as required.

MATERIAL

Main frame and sash members shall be of impact modified, UV stabilized, heavy wall, multi-chambered, tubular Poly Vinyl Chloride (PVC) extrusions. All fasteners shall be hardened stainless steel in accordance with American Architectural Manufacturers Association (AAMA) specifications. Ancillary components shall be of materials consistent with application and compatible with PVC.

MASTER FRAME

All master frames shall have .062" walls and shall be constructed of telescoped butt joint multi-chambered vinyl tubular extrusions firmly joined with twelve (12) hex head stainless steel screws per frame, three (3) per corner into integral screw ports. Master frame corners shall be gasket waterproofed during assembly to provide permanent water tightness.

The master frame shall be supplied with a vinyl "U" channel header expander and aluminum sill angle to provide for "custom sizing" the window height within the opening. Master frame head and sill shall have fin seal weather-stripping. Master frame sill shall be of stepped design and shall have four (4) independent sill seals when the lower sash is in a closed and locked position. One (1) "wafer head" screw type jamb adjuster shall be located at the mid point of each master frame jamb which is designed to provide uniform pressure on the rough opening to compensate for "squaring" of the master frame within the rough opening.

The connection between the four (4) block and tackle balances shall be designed so that both sash tilt in and can be readily removed from the window if required.

The upper half of both master frame jambs shall contain "snap in" balance covers. This cover provides protection to the balance tube as well as providing a neat finished appearance.

SASH

All sash profiles shall have .062" walls and shall be constructed of telescoped butt joint multi-chambered vinyl tubular extrusion firmly joined with four (4) hex head stainless steel screws per insert one (1) per corner into integral screw ports to allow for easy disassembly when necessary. The lock sash members shall have 6063-T5 alloy "U" shaped aluminum extrusion inserted into their main hollow areas.

Glass inserts shall have Dual Durometer wrap around frame cushioned in hard and soft (flexible one piece) vinyl glazing channel to provide a watertight seal around the entire glass perimeter. Glass shall be "set" with neoprene glazing blocks to maintain uniformity around entire glass perimeter. Each insert shall ride in its own track, and all vertical members shall be double weather-stripped. At the horizontal meeting rail, an integral mechanical interlock will be provided in addition to fin seal weather-stripping.

The top horizontal of the top insert and bottom horizontal of the bottom insert shall have integrally extruded pull and lift handles to provide easy sash operation.

The bottom horizontal (keeper rail) of the top insert shall contain two (2) (one on either side) "one piece" zinc die cast "T" bar, tilt stud, and tilt stud corner housing. The "T" bar shall ride in each track of the master frame jambs to insure proper jamb and sash alignment.

The bottom horizontal of the bottom insert shall contain two (2) (one on either side) “one piece” zinc die cast tilt stud and tilt stud corner housing.

Each insert shall have two (2) recessed spring loaded nylon tilt sash locks which when engaged will travel in their respective master frame jamb track.

HARDWARE

The bottom sash horizontal meeting rail shall have a special high quality zinc die cast cam sweep lock which shall engage in a corresponding zinc die cast keeper on the upper sash horizontal meeting rail. White windows shall be furnished with white lock(s) and keeper(s), and territone windows with territone lock(s) and keeper(s). Each sash shall be furnished with two block and tackle balances designed to provide perfectly balanced sash. Each vertical upper sash stile will be furnished with color matched nylon ventilation locks which when engaged will limit the travel of the bottom sash to approximately 2”.

FINISH

All vinyl profiles are to be white throughout.

GLAZING

Both sash shall be Dual Durometer glazed and “set” with neoprene glazing blocks.

Standard glazing shall be nominal 13/16” thick sealed insulating glass consisting of two (2) pieces of clear SSB float glass (doubled glazed) or nominal 13/16" thick sealed insulating (double glazed) glass consisting of one (1) lite of SSB Higher Energy Low “E” Glass and one (1) lite of clear float glass. Optional argon gas filled sealed insulating glass units are also available. All insulating glass units come standard with Technoform TGI® warm edge IG spacer.

SCREENS

All double hung windows shall be furnished with one (1) half height insect screen which shall be of hollow aluminum extrusions color matched to window. Screen cloth shall be black fiberglass 18 x 16 mesh wire. Screens shall ride in a separate extruded vinyl channel integral within the master frame profile. Each screen insert shall have two (2) color matched injection molded nylon spring-loaded locks, one on each side of the lower horizontal hand rail. Screen extrusion corners shall be mitered and contain one (1) zinc die cast corner key per corner that shall be mechanically staked to securely hold screen frame together. Top and bottom horizontal rails shall have single row high density pile weather-stripping bug stop. Optional full height insect screens with center horizontal stabilizer bar and same features described above are also available.

INSTALLATION BY OTHERS

Window frames shall be installed straight, plumb, level, square, and securely anchored in accordance with manufacturer’s recommendations and details – see instructions on each window.

WARRANTIES

See manufacturer’s separate warranty.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE