# **Part 1**: **General**

# Section Includes

## Series 3000 Aluminum Clad FoldUp™, Double Hung, and Fixed windows complete with hardware, glazing, insect screen, simulated divided lite, and jamb extensions

# References

## American Society for Testing Materials (ASTM):

### E283: Standard Test method for Rate of Air Leakage through Exterior Windows, Curtain Walls and Doors

### E330: Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls and Door by Uniform Static Air Pressure Difference

### E547: Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls and Doors by Cyclic Static Air Pressure Differential

### E2190: Specification for Sealed Insulated Glass Units

### C1036: Standard Specification for Flat Glass

### E2068: Standard Test Method for Determination of Operating Force of Sliding Windows and Doors

## American Architectural Manufacturer’s Association/Window and Door Manufacturer’s Association (AAMA/WDMA/CSA):

### AAMA/WDMA/CSA 101/I.S.2/A440-08, Standard/Specification for windows, doors and skylights

### AAMA/WDMA/CSA 101/I.S.2/A440-11, Standard/Specification for windows, doors and skylights

## WDMA I.S.4: Industry Standard for Water Repellant Preservative Treatment for Millwork

## Sealed Insulating Glass Manufacturer’s Association/Insulating Glass Certification Council (SIGMA/IGCC)

## National Fenestration Rating Council (NFRC):

### 101: Procedure for Determining Fenestration Product thermal Properties

### 200: Procedure for Determining Solar Heat Gain Coefficients at Normal Incidence

# Submittals

## Shop Drawings: Submit shop drawings as required by architect

## Samples: Submit samples if required by architect or owner

## Quality Control Submittals: Submit manufacturer’s certification indicating compliance with specified performance and design requirements

# Delivery

## Deliver in original packaging and protect from weather

# Storage and Handling

## Prime and seal wood surfaces, including to be concealed by wall construction, if more than thirty (30) days will expire between delivery and installation

## Store window units in an upright position in a clean and dry storage area above ground to protect from weather

# Warranty

## **Complete and current warranty information is available from manufacturer and is subject to the terms, condition, limitations and exclusions set forth in the Rochester Colonial’s Windows and Door Limited Warranty.**

# **Part 2: Products**

# Manufactured Units

## Description: Aluminum Clad FoldUp – Series 3000 FoldUp+In DH as manufactured by Rochester Colonial Mfg.Corp., Rochester, NY

## Description: Aluminum Clad Double Hung – Series 3000 Double Hung as manufactured by Rochester Colonial Mfg.Corp., Rochester, NY

## Description: Aluminum Clad Fixed – Series 3000 Fixed In-Sash as manufactured by Rochester Colonial Mfg.Corp., Rochester, NY

# Frame Description

## Interior: Non Finger-Jointed Pine

### Kiln-dried to moisture content no greater than 12 percent at the time of fabrication

### Water repellant, preservative treated in accordance with ANSI/WDMA I.S.4.

## Frame exterior aluminum clad with 0.050” thick extruded aluminum

## Frame depth: 4 9/16” jamb depth from the nailing fin plane to the interior face of the frame for new construction.

## Aluminum sill

# Sash Description

## Interior: Non Finger-Jointed Pine

### Kiln-dried to moisture content no greater than 12 percent at the time of fabrication

### Water repellant preservative treated with accordance with WDMA I.S.4.

## Sash exterior aluminum clad with 0.019” roll formed aluminum

## Sash thickness: 1 3/4”, corner slot and tenoned.

## Exterior Cope Profile: Putty

## Interior Sash Sticking: Ogee

# Glazing

## Select quality complying with ASTM C1036. Insulating glass SIGMA/IGCC certified to performance level CBA when tested in accordance with ASTM E2190.

## Glazing method: Insulating glass

## Glazing seal: Silicone bedding on interior and exterior

## Glass Type: Tempered in both upper and lower sash, Clear/Low E on surface 2 with minimum 90% Argon gas fill

# Finish

## Exterior: Aluminum clad. Fluoropolymer modified acrylic topcoat applied over primer. Sash clad meets AAMA 2605 requirements, frame clad meets AAMA 2603 requirements

### Aluminum clad color options: Black, White, Beige, Bronze Green, or Earthtone

### Custom colors: Contact your FoldUp™ representative

## Interior Finish options:

### Prime: Factory-applied enamel primer.

### Painted Interior Finish, waterborn acrylic enamel by Sherwin Williams applied two coats with light sanding between coats

### Factory-applied water-borne acrylic enamel clear coat applied in two separate coats, with light sanding between coats

# Hardware

## Two opposing sash locks with actuator that activates locking pins into each jamb in (white, beige, ORB, brushed nickel) finish

## Interior and Exterior Hinges – powder coated extruded aircraft-grade aluminum with stainless steel pins

## Balance System - Proprietary constant force balance system with stainless steel springs, HDPE case, and Acetal shoe connected to stainless steel pivot pin

# Jamb Extension

## Jamb extensions are available for various wall thickness factory-applied up to a 10” wide

## Finish: Match interior frame finish

# Insect Screen

## Factory-installed full screen

### Screen Mesh: Charcoal Fiberglass in standard or BetterVue mesh

## Aluminum frame finish:

### Color: Matches exterior aluminum clad color

# Simulated Divided Lites (SDL)

## 5/8” or 7/8” wide

## Exterior muntins: 0.050” (1.3mm) thick extruded aluminum

## Interior muntins: Pine

## Muntins adhere to glass with closed-cell copolymer acrylic foam tape

## Exterior sticking: Putty

## Interior Sticking: Ogee

## Patterns: Various rectangular patterns

## Finish – exterior matches exterior aluminum clad colors, interior matches interior wood species and color

# **Part 3: Execution**

# Examination

## Verification of Condition: Before installation, verify openings are plumb, square and of proper dimensions. Report frame defects or unsuitable conditions to the General contractor before proceeding.

## Acceptance of Condition: Beginning on installation confirms acceptance of existing conditions.

# Installation

## Assemble and install window/door unit(s) according to manufacturer’s instruction and reviewed shop drawing. Shim window so that sashes move freely up and down.

## Install sealant and related backing materials at perimeter of unit..

## Use finish nails to apply wood trim and mouldings.

# Cleaning

## Remove visible labels and adhesive residue according to manufacturer’s instruction.

## Leave windows and glass in a clean condition.

# Protecting Installed Construction

## Protect windows from damage by chemicals, solvents, paint or other construction operations that may cause damage.

End of Section