



SECTION 08 14 00  
PREHUNG WOOD DOORS

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PART 1 GENERAL

1.1 SECTION INCLUDES

- A. French Doors.
- B. Slimline Doors.
- C. Pivot Doors.
- D. Glazing and Accessories

1.2 RELATED SECTIONS

- A. Section 04 22 00.16 - Surface-Bonded Concrete Unit Masonry.
- B. Section 05 40 00 - Cold-Formed Metal Framing.
- C. Section 06 10 00 - Rough Carpentry.
- D. Section 06 20 00 - Finish Carpentry.
- E. Section 07 21 26 - Blown Insulation.
- F. Section 07 46 33 - Plastic Siding.
- G. Section 07 62 00 - Sheet Metal Flashing and Trim.
- H. Section 07 90 00 - Joint Protection.
- I. Section 08 11 13.16 - Custom Hollow Metal Doors and Frames.
- J. Section \_\_\_\_\_ - Special Doors.

1.3 REFERENCES

- A. AAMA/NWWDA 101/I.S.2-97 - Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors; 1997.
- B. AAMA CW-1 0 - Care and Handling of Architectural Aluminum from Shop to Site.
- C. AAMA 611-98 - Voluntary Specification for Anodized Architectural Aluminum.
- D. AAMA 2604 - Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels; 1998.

- E. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels; 1998.
- F. ANSI Z97.1 - Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test.
- G. FSC - Forest Stewardship Council Chain of Custody Certification.

#### 1.4 PERFORMANCE REQUIREMENTS

- A. System Design: Design and size components to withstand dead and live loads caused by pressure and suction of wind acting normal to plane of folding glass wall as calculated in accordance with applicable code.
- B. All products are FSC Chain of Custody Certified.

#### 1.5 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
- C. Shop Drawings: Detailed drawings prepared specifically for the project by manufacturer. Show opening dimensions, framed opening tolerances, profiles, product components, anchorages, and accessories.
  - 1. Indicate material thickness, fastener locations, glazing and hardware arrangements.
  - 2. Include schedule identifying each unit, with marks or numbers referencing drawings.
- D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- E. Verification Samples:
  - 1. Aluminum Finish: Two samples, minimum size 2 by 3 inches (50 by 75 mm), representing actual product and color.
  - 2. Glass: Two samples, minimum size 12 inches (300 mm) square, of specified glass, including coatings or frit pattern.
  - 3. Assembly Sample: 24 by 36 inch (600 by 900 mm) assembly complete with glazing, gaskets, fasteners, anchors, and finish; do not proceed with fabrication until workmanship and color are approved by Architect.
- F. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- G. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic checking and adjustment and periodic cleaning and maintenance of all components.

#### 1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this Section with minimum 5 years experience in fabrication and erection of glazed window wall systems for projects of similar scope.
- B. Installer Qualifications: Experienced in performing work of this section that has specialized in installation of work similar to that required for this project.

- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
  - 1. Finish areas designated by Architect.
  - 2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
  - 3. Refinish mock-up area as required to produce acceptable work.

#### 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Provide care and handling conforming to AAMA CW-1 0, "Care and Handling of Architectural Aluminum from Shop to Site".
- C. Store products out of contact with the ground, under a weather tight covering, so as to prevent bending, warping, or other damage. Do not cover with unventilated tarps, polyethylene film, or similar coverings.
- D. Protect factory finishes from damage, precipitation and construction materials until ready for installation.

#### 1.8 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

#### 1.9 WARRANTY

- A. Wood Components: Five years limited warranty on products with aluminum exteriors or exterior aluminum cladding.
- B. Exterior Wood Product: Three years limited warranty on exterior wood products.
- C. Kynar Aluminum Finish: Ten year limited warranty.
- D. Insulated Glass: Twenty year limited warranty for up to 60 square feet with mill-finish stainless steel spacer or mill or bronze-finish aluminum spacer. Custom glass or glass over 60 square feet will carry whatever warranty period is provided by the manufacturer.
- E. Hardware: Standard hardware 10 year limited warranty against material defects in materials and workmanship. Includes Lift and Slide hardware, M-Series window locks and window hinges, Slide & Seal hardware, and R-Series window hardware and 3-point locks. Other hardware or custom hardware will be cove

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Reveal Windows & Doors by Pacific Architectural Millwork, which is located at: 1435 W. Pioneer St.; Brea, CA 92821; Tel: 562-905-3200; Fax: 562-694-6794; Email:[request info \(info@revealwd.com\)](mailto:info@revealwd.com); Web:[www.pacmillwork.com](http://www.pacmillwork.com)|[www.revealwd.com](http://www.revealwd.com)
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

## 2.2 WOOD DOORS - GENERAL

- A. Windows: Comply with AAMA/NWWDA 101/I.S.2-97; factory assembled and glazed, complete with weatherstripping, operating hardware and specified accessories.

## 2.3 FRENCH DOORS

- A. Traditional French Doors: Hinged Door WA6400 Wood with Exterior Aluminum Cladding. Provide complete with head, sill and jambs, weatherstripping, operating hardware and specified accessories:

1. Configuration: Provide to fit the openings and configurations indicated on the Drawings.
2. Product Parameters: Hinged Inswing Door WA6400.
  - a. Minimum Frame Height: 66 inches
  - b. Maximum Frame Height: 120 inches
  - c. Minimum Frame Width: 20 inches
  - d. Maximum Frame Width: 44-1/4 inches
  - e. Panel Thickness: 2-1/2 inches
  - f. Stile Width: 5-1/2 inches
  - g. Standard Jamb Depth: 4-9/16 inches
  - h. Edge Detail
    - 1) Exterior: Contemporary
    - 2) Interior: Traditional.
    - 3) Interior: Contemporary.
3. Product Parameters: Hinged Outswing Door WA6400.
  - a. Minimum Frame Height: 66 inches
  - b. Maximum Frame Height: 120 inches
  - c. Minimum Frame Width: 20 inches
  - d. Maximum Frame Width: 44-1/4 inches
  - e. Panel Thickness: 2-1/2 inches
  - f. Stile Width: 5-1/2 inches
  - g. Minimum Jamb Depth: 4-9/16 inches
  - h. Edge Detail
    - 1) Exterior: Contemporary
    - 2) Interior: Traditional.
    - 3) Interior: Contemporary.
4. Exterior: Wood with extruded aluminum cladding.
5. Wood Species: FSC Certified products.
  - a. Pine.
  - b. Vertical Grain Douglas Fir.
  - c. African Mahogany.
  - d. Custom.
6. Glazing:
  - a. 3/4 inch overall thickness clear Low-E insulated glass.
  - b. 3/4 inch overall thickness tempered Solarban Low-E insulated glass.
  - c. Custom.
7. Options
  - a. Raised wood panels.
  - b. Specialty carved panels.
  - c. Custom grilles.
8. Hardware:
  - a. Hinges:
    - 1) Oil-Rubbed Bronze
    - 2) Satin Nickel
  - b. London Handle
    - 1) Silver

- 2) Grey Brown
      - 3) Traffic White
    - c. Verona Handle
      - 1) Resista Brass
      - 2) Oil-Rubbed Brass
      - 3) Satin Nickel
    - d. Multipoint locks.
    - e. Custom.
  - 9. Exterior aluminum finish:
    - a. Fluoropolymer-modified acrylic topcoat over fluoropolymer primer meets AAMA 2605 requirements.
    - b. Colors:
      - 1) Standard color as selected by the Architect.
      - 2) Custom color as selected by the Architect.
    - c. Anodized Clad Exterior anodized aluminum finish: Electrolytic two-step coloring method meets or exceeds AAMA 611 Class I requirements. Finishes:
      - 1) Light bronze.
      - 2) Medium bronze.
      - 3) Dark bronze.
      - 4) Extra dark bronze.
      - 5) Black.
  - 10. Interior finish:
    - a. Clear treated wood, no prime.
    - b. Primed.
    - c. Prefinished with low gloss, two-component acrylic polyurethane:
      - 1) Standard color as selected by the Architect.
      - 2) Custom color as selected by the Architect.
- B. Traditional French Doors: Hinged Door W5700 All Wood. Provide complete with head, sill and jambs, weatherstripping, operating hardware and specified accessories:
1. Configuration: Provide to fit the openings and configurations indicated on the Drawings.
  2. Product Parameters: Hinged Inswing Door W5700.
    - a. Minimum Frame Height: 66 inches
    - b. Maximum Frame Height: 120 inches
    - c. Minimum Frame Width: 49-7/8 inches
    - d. Maximum Frame Width: 88-7/8 inches
    - e. Panel Thickness: 2-1/4 inches
    - f. Stile Width: 5-1/2 inches
    - g. Standard Jamb Depth: 4-9/16 inches
    - h. Edge Detail
      - 1) Exterior: Contemporary
      - 2) Interior: Traditional.
      - 3) Interior: Contemporary.
  3. Product Parameters: Hinged Outswing Door W5700.
    - a. Minimum Frame Height: 66 inches
    - b. Maximum Frame Height: 120 inches
    - c. Minimum Frame Width: 49-7/8 inches
    - d. Maximum Frame Width: 88-7/8 inches
    - e. Panel Thickness: 2-1/4 inches
    - f. Stile Width: 5-1/2 inches
    - g. Standard Jamb Depth: 4-9/16 inches
    - h. Edge Detail
      - 1) Exterior: Contemporary
      - 2) Interior: Traditional.
      - 3) Interior: Contemporary.

4. Wood Species: FSC Certified products.
  - a. Pine.
  - b. Vertical Grain Douglas Fir.
  - c. African Mahogany.
  - d. Custom.
5. Glazing:
  - a. 3/4 inch overall thickness clear Low-E insulated glass.
  - b. 3/4 inch overall thickness tempered Solarban Low-E insulated glass.
  - c. Custom.
6. Options
  - a. Raised wood panels.
  - b. Specialty carved panels.
  - c. Custom grilles.
7. Hardware:
  - a. Hinges:
    - 1) Oil-Rubbed Bronze
    - 2) Satin Nickel
  - b. London Handle
    - 1) Silver
    - 2) Grey Brown
    - 3) Traffic White
  - c. Verona Handle
    - 1) Resista Brass
    - 2) Oil-Rubbed Brass
    - 3) Satin Nickel
  - d. Multipoint locks.
  - e. Custom.
8. Exterior finish:
  - a. Clear treated wood, no prime.
  - b. Primed.
  - c. Prefinished with low gloss, two-component acrylic polyurethane:
    - 1) Standard color as selected by the Architect.
    - 2) Custom color as selected by the Architect.
9. Interior finish:
  - a. Clear treated wood, no prime.
  - b. Primed.
  - c. Prefinished with low gloss, two-component acrylic polyurethane:
    - 1) Standard color as selected by the Architect.
    - 2) Custom color as selected by the Architect.

## 2.4 SLIMLINE DOORS

- A. Slimline Standard Inswing Door W8400 All Wood Hinged Door. Provide complete with head, sill and jambs, weatherstripping, operating hardware and specified accessories:
  1. Configuration: Provide to fit the openings and configurations indicated on the Drawings.
  2. Product Parameters: Hinged Inswing Door W8400.
    - a. Minimum Frame Height: 66 inches
    - b. Maximum Frame Height: 120 inches
    - c. Minimum Frame Width: 20 inches
    - d. Maximum Frame Width: 43-3/4 inches
    - e. Panel Thickness: 3-5/16 inches
    - f. Stile Width: 3 inches
    - g. Minimum Jamb Depth: 4-9/16 inches behind nail fin
    - h. Edge Detail
      - 1) Exterior: Contemporary

- 2) Interior: Contemporary.
  3. Wood Species: FSC Certified products.
    - a. Pine.
    - b. Vertical Grain Douglas Fir.
    - c. African Mahogany.
    - d. Custom.
  4. Glazing:
    - a. 1-1/8 inch overall thickness clear Low-E insulated glass.
    - b. 1-1/8 inch overall thickness tempered Solarban Low-E insulated glass.
    - c. Custom.
  5. Options
  6. Hardware:
    - a. Hinges:
      - 1) Oil-Rubbed Bronze
      - 2) Satin Nickel
    - b. London Handle
      - 1) Silver
      - 2) Grey Brown
      - 3) Traffic White
    - c. Verona Handle
      - 1) Resista Brass
      - 2) Oil-Rubbed Brass
      - 3) Satin Nickel
    - d. Multipoint locks.
    - e. Custom.
  7. Exterior finish:
    - a. Clear treated wood, no prime.
    - b. Primed.
    - c. Prefinished with low gloss, two-component acrylic polyurethane:
      - 1) Standard color as selected by the Architect.
      - 2) Custom color as selected by the Architect.
  8. Interior finish:
    - a. Clear treated wood, no prime.
    - b. Primed.
    - c. Prefinished with low gloss, two-component acrylic polyurethane:
      - 1) Standard color as selected by the Architect.
      - 2) Custom color as selected by the Architect.
- B. Slimline Outswing Door W8400 All Wood Hinged Door. Provide complete with head, sill and jambs, weatherstripping, operating hardware and specified accessories:
1. Configuration: Provide to fit the openings and configurations indicated on the Drawings.
  2. Product Parameters: Hinged Outswing Door W8400.
    - a. Minimum Frame Height: 66 inches
    - b. Maximum Frame Height: 120 inches
    - c. Minimum Frame Width: 20 inches
    - d. Maximum Frame Width: 43-3/4 inches
    - e. Panel Thickness: 3-5/16 inches
    - f. Stile Width: 3 inches
    - g. Standard Jamb Depth: 4-9/16 inches
    - h. Edge Detail
      - 1) Exterior: Contemporary
      - 2) Interior: Contemporary.
  3. Wood Species: FSC Certified products.
    - a. Pine.
    - b. Vertical Grain Douglas Fir.

- c. African Mahogany.
    - d. Custom.
  - 4. Glazing:
    - a. 1-1/8 inch overall thickness clear Low-E insulated glass.
    - b. 1-1/8 inch overall thickness tempered Solarban Low-E insulated glass.
    - c. Custom.
  - 5. Options
    - a. .
  - 6. Hardware:
    - a. Hinges:
      - 1) Oil-Rubbed Bronze
      - 2) Satin Nickel
    - b. London Handle
      - 1) Silver
      - 2) Grey Brown
      - 3) Traffic White
    - c. Verona Handle
      - 1) Resista Brass
      - 2) Oil-Rubbed Brass
      - 3) Satin Nickel
    - d. Multipoint locks.
    - e. Custom.
  - 7. Exterior finish:
    - a. Clear treated wood, no prime.
    - b. Primed.
    - c. Prefinished with low gloss, two-component acrylic polyurethane:
      - 1) Standard color as selected by the Architect.
      - 2) Custom color as selected by the Architect.
  - 8. Interior finish:
    - a. Clear treated wood, no prime.
    - b. Primed.
    - c. Prefinished with low gloss, two-component acrylic polyurethane:
      - 1) Standard color as selected by the Architect.
      - 2) Custom color as selected by the Architect.
- C. Slimline Euro Inswing Door WA8400 All Wood Hinged Door. Provide complete with head, sill and jambs, weatherstripping, operating hardware and specified accessories:
  - 1. Configuration: Provide to fit the openings and configurations indicated on the Drawings.
  - 2. Product Parameters: Hinged Inswing Door W8400.
    - a. Minimum Frame Height: 66 inches
    - b. Maximum Frame Height: 120 inches
    - c. Minimum Frame Width: 20 inches
    - d. Maximum Frame Width: 43-3/4 inches
    - e. Panel Thickness: 3-5/16 inches
    - f. Stile Width: 5-1/2 inches
    - g. Stile/Rail Width: 3-15/16 inches
    - h. Minimum Jamb Depth: 2-5/8 inches behind nail fin
    - i. Edge Detail
      - 1) Exterior: Contemporary
      - 2) Interior: Contemporary.
  - 3. Wood Species: FSC Certified products.
    - a. Pine.
    - b. Vertical Grain Douglas Fir.
    - c. African Mahogany.
    - d. Custom.



4. Glazing:
    - a. 1-1/8 inch overall thickness clear Low-E insulated glass.
    - b. 1-1/8 inch overall thickness tempered Solarban Low-E insulated glass.
    - c. Custom.
  5. Options
  6. Hardware:
    - a. Hinges:
      - 1) Oil-Rubbed Bronze
      - 2) Satin Nickel
    - b. London Handle
      - 1) Silver
      - 2) Grey Brown
      - 3) Traffic White
    - c. Verona Handle
      - 1) Resista Brass
      - 2) Oil-Rubbed Brass
      - 3) Satin Nickel
    - d. Multipoint locks.
    - e. Custom.
  7. Exterior finish:
    - a. Clear treated wood, no prime.
    - b. Primed.
    - c. Prefinished with low gloss, two-component acrylic polyurethane:
      - 1) Standard color as selected by the Architect.
      - 2) Custom color as selected by the Architect.
  8. Interior finish:
    - a. Clear treated wood, no prime.
    - b. Primed.
    - c. Prefinished with low gloss, two-component acrylic polyurethane:
      - 1) Standard color as selected by the Architect.
      - 2) Custom color as selected by the Architect.
- D. Slimline Standard Inswing Door WA8400 Hinged Door Wood with Exterior Aluminum Cladding. Provide complete with head, sill and jambs, weatherstripping, operating hardware and specified accessories:
1. Configuration: Provide to fit the openings and configurations indicated on the Drawings.
  2. Product Parameters: Hinged Inswing Door WA8400.
    - a. Minimum Frame Height: 66 inches
    - b. Maximum Frame Height: 120 inches
    - c. Minimum Frame Width: 20 inches
    - d. Maximum Frame Width: 43-3/4 inches
    - e. Panel Thickness: 3-5/16 inches
    - f. Stile Width: 3 inches
    - g. Standard Jamb Depth: 4-9/16 inches
    - h. Edge Detail
      - 1) Exterior: Contemporary
      - 2) Interior: Contemporary.
  3. Exterior: Wood with extruded aluminum cladding.
  4. Wood Species: FSC Certified products.
    - a. Pine.
    - b. Vertical Grain Douglas Fir.
    - c. African Mahogany.
    - d. Custom.
  5. Glazing:
    - a. 1-1/8 inch overall thickness clear Low-E insulated glass.

- b. 1-1/8 inch overall thickness tempered Solarban Low-E insulated glass.
  - c. Custom.
6. Options
7. Hardware:
- a. Hinges:
    - 1) Oil-Rubbed Bronze
    - 2) Satin Nickel
  - b. London Handle
    - 1) Silver
    - 2) Grey Brown
    - 3) Traffic White
  - c. Verona Handle
    - 1) Resista Brass
    - 2) Oil-Rubbed Brass
    - 3) Satin Nickel
  - d. Multipoint locks.
  - e. Custom.
8. Exterior aluminum finish:
- a. Fluoropolymer-modified acrylic topcoat over fluoropolymer primer meets AAMA 2605 requirements.
  - b. Colors:
    - 1) Standard color as selected by the Architect.
    - 2) Custom color as selected by the Architect.
  - c. Anodized Clad Exterior anodized aluminum finish: Electrolytic two-step coloring method meets or exceeds AAMA 611 Class I requirements. Finishes:
    - 1) Light bronze.
    - 2) Medium bronze.
    - 3) Dark bronze.
    - 4) Extra dark bronze.
    - 5) Black.
9. Interior finish:
- a. Clear treated wood, no prime.
  - b. Primed.
  - c. Prefinished with low gloss, two-component acrylic polyurethane:
    - 1) Standard color as selected by the Architect.
    - 2) Custom color as selected by the Architect.
- E. Slimline Euro Inswing Door WA8400 Hinged Door Wood with Exterior Aluminum Cladding. Provide complete with head, sill and jambs, weatherstripping, operating hardware and specified accessories:
- 1. Configuration: Provide to fit the openings and configurations indicated on the Drawings.
  - 2. Product Parameters: Hinged Inswing Door WA8400.
    - a. Minimum Frame Height: 66 inches
    - b. Maximum Frame Height: 120 inches
    - c. Minimum Frame Width: 20 inches
    - d. Maximum Frame Width: 43-3/4 inches
    - e. Panel Thickness: 3-5/16 inches
    - f. Stile Width: 3-15/16 inches
    - g. Minimum Jamb Depth: 2-5/8 inches behind nail fin
    - h. Edge Detail
      - 1) Exterior: Contemporary
      - 2) Interior: Contemporary.
  - 3. Exterior: Wood with extruded aluminum cladding.
  - 4. Wood Species: FSC Certified products.
    - a. Pine.

- b. Vertical Grain Douglas Fir.
  - c. African Mahogany.
  - d. Custom.
5. Glazing:
- a. 1-1/8 inch overall thickness clear Low-E insulated glass.
  - b. 1-1/8 inch overall thickness tempered Solarban Low-E insulated glass.
  - c. Custom.
6. Options
7. Hardware:
- a. Hinges:
    - 1) Oil-Rubbed Bronze
    - 2) Satin Nickel
  - b. London Handle
    - 1) Silver
    - 2) Grey Brown
    - 3) Traffic White
  - c. Verona Handle
    - 1) Resista Brass
    - 2) Oil-Rubbed Brass
    - 3) Satin Nickel
  - d. Multipoint locks.
  - e. Custom.
8. Exterior aluminum finish:
- a. Fluoropolymer-modified acrylic topcoat over fluoropolymer primer meets AAMA 2605 requirements.
  - b. Colors:
    - 1) Standard color as selected by the Architect.
    - 2) Custom color as selected by the Architect.
  - c. Anodized Clad Exterior anodized aluminum finish: Electrolytic two-step coloring method meets or exceeds AAMA 611 Class I requirements. Finishes:
    - 1) Light bronze.
    - 2) Medium bronze.
    - 3) Dark bronze.
    - 4) Extra dark bronze.
    - 5) Black.
9. Interior finish:
- a. Clear treated wood, no prime.
  - b. Primed.
  - c. Prefinished with low gloss, two-component acrylic polyurethane:
    - 1) Standard color as selected by the Architect.
    - 2) Custom color as selected by the Architect.

## 2.5 PIVOT DOORS

- A. Pivot Door: WA6400 Pivot Outswing or Inswing Door, Wood with Exterior Aluminum Cladding. Provide complete with head, sill and jambs, weatherstripping, operating hardware and specified accessories:
- 1. Configuration: Provide to fit the openings and configurations indicated on the Drawings.
  - 2. Product Parameters: Pivot Outswing Door WA6400.
    - a. Minimum Frame Height: 72 inches
    - b. Maximum Frame Height: 120 inches
    - c. Minimum Frame Width: 25-3/4 inches
    - d. Maximum Frame Width: 67-3/4 inches dependent on panel width and pivot placement.
    - e. Panel Thickness: 2-1/4 inches

- f. Minimum Stile Width: 5-1/2 inches
  - g. Minimum Jamb Depth: 4-9/16 inches behind nail fin
  - h. Edge Detail
    - 1) Exterior: Contemporary
    - 2) Interior: Contemporary.
3. Product Parameters: Pivot Inswing Door WA6400.
- a. Minimum Frame Height: 72 inches
  - b. Maximum Frame Height: 120 inches
  - c. Minimum Frame Width: 25-3/4 inches
  - d. Maximum Frame Width: 67-3/4 inches dependent on panel width and pivot placement.
  - e. Panel Thickness: 2-1/4 inches
  - f. Minimum Stile Width: 5-1/2 inches
  - g. Minimum Jamb Depth: 4-9/16 inches behind nail fin
  - h. Edge Detail
    - 1) Exterior: Contemporary
    - 2) Interior: Contemporary.
4. Exterior: Wood with extruded aluminum cladding.
5. Wood Species: FSC Certified products.
- a. Pine.
  - b. Vertical Grain Douglas Fir.
  - c. African Mahogany.
  - d. Custom.
6. Glazing:
- a. 3/4 inch overall thickness clear Low-E insulated glass.
  - b. 3/4 inch overall thickness tempered Solarban Low-E insulated glass.
  - c. Custom.
7. Options
- a. Raised wood panels.
  - b. Custom grilles
8. Hardware:
- a. Pivots: Bottom-mounted Rixson pivot hinges and top guides, or recessed Rixson "buckets" for heavy-duty applications. For edge-mounted applications, additional intermediate hinges are installed as needed
    - 1) .Oil-Rubbed Bronze
    - 2) Satin Nickel
  - b. London Handle
    - 1) Silver
    - 2) Grey Brown
    - 3) Traffic White
  - c. Verona Handle
    - 1) Resista Brass
    - 2) Oil-Rubbed Brass
    - 3) Satin Nickel
  - d. Key locks.
  - e. Custom.
9. Exterior aluminum finish:
- a. Fluoropolymer-modified acrylic topcoat over fluoropolymer primer meets AAMA 2605 requirements.
  - b. Colors:
    - 1) Standard color as selected by the Architect.
    - 2) Custom color as selected by the Architect.
  - c. Anodized Clad Exterior anodized aluminum finish: Electrolytic two-step coloring method meets or exceeds AAMA 611 Class I requirements. Finishes:
    - 1) Light bronze.
    - 2) Medium bronze.

- 3) Dark bronze.
  - 4) Extra dark bronze.
  - 5) Black.
10. Interior finish:
- a. Clear treated wood, no prime.
  - b. Primed.
  - c. Prefinished with low gloss, two-component acrylic polyurethane:
    - 1) Standard color as selected by the Architect.
    - 2) Custom color as selected by the Architect.
- B. Pivot Door: W6400 Pivot Outswing or Inswing Door, All Wood. Provide complete with head, sill and jambs, weatherstripping, operating hardware and specified accessories:
1. Configuration: Provide to fit the openings and configurations indicated on the Drawings.
  2. Product Parameters: Pivot Outswing Door W6400.
    - a. Minimum Frame Height: 72 inches
    - b. Maximum Frame Height: 120 inches
    - c. Minimum Frame Width: 25-3/4 inches
    - d. Maximum Frame Width: 67-3/4 inches dependent on panel width and pivot placement.
    - e. Panel Thickness: 2-1/4 inches
    - f. Minimum Stile Width: 5-1/2 inches
    - g. Minimum Jamb Depth: 4-9/16 inches behind nail fin
    - h. Edge Detail
      - 1) Exterior: Contemporary
      - 2) Interior: Contemporary.
  3. Product Parameters: Pivot Inswing Door W6400.
    - a. Minimum Frame Height: 72 inches
    - b. Maximum Frame Height: 120 inches
    - c. Minimum Frame Width: 25-3/4 inches
    - d. Maximum Frame Width: 67-3/4 inches dependent on panel width and pivot placement.
    - e. Panel Thickness: 2-1/4 inches
    - f. Minimum Stile Width: 5-1/2 inches
    - g. Minimum Jamb Depth: 4-9/16 inches behind nail fin
    - h. Edge Detail
      - 1) Exterior: Contemporary
      - 2) Interior: Contemporary.
  4. Wood Species: FSC Certified products.
    - a. Pine.
    - b. Vertical Grain Douglas Fir.
    - c. African Mahogany.
    - d. Custom.
  5. Glazing:
    - a. 3/4 inch overall thickness clear Low-E insulated glass.
    - b. 3/4 inch overall thickness tempered Solarban Low-E insulated glass.
    - c. Custom.
  6. Options
    - a. Raised wood panels.
    - b. Custom grilles
  7. Hardware:
    - a. Pivots: Bottom-mounted Rixson pivot hinges and top guides, or recessed Rixson "buckets" for heavy-duty applications. For edge-mounted applications, additional intermediate hinges are installed as needed
      - 1) .Oil-Rubbed Bronze
      - 2) Satin Nickel

- b. London Handle
  - 1) Silver
  - 2) Grey Brown
  - 3) Traffic White
- c. Verona Handle
  - 1) Resista Brass
  - 2) Oil-Rubbed Brass
  - 3) Satin Nickel
- d. Key locks.
- e. Custom.
- 8. Exterior finish:
  - a. Clear treated wood, no prime.
  - b. Primed.
  - c. Prefinished with low gloss, two-component acrylic polyurethane:
    - 1) Standard color as selected by the Architect.
    - 2) Custom color as selected by the Architect.
- 9. Interior finish:
  - a. Clear treated wood, no prime.
  - b. Primed.
  - c. Prefinished with low gloss, two-component acrylic polyurethane:
    - 1) Standard color as selected by the Architect.
    - 2) Custom color as selected by the Architect.

## 2.6 FABRICATION

- A. Sizes and Configurations: Fabricate to sizes and configurations indicated on the Drawings. Verify opening sizes by field measurement prior to completing fabrication.
- B. Verify opening direction for opening units.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. Verify openings are ready to receive work and dimensions and clearances are as indicated on the approved shop drawings.
- C. If preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

### 3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install system in accordance with approved shop drawings and manufacturer's instructions.
- C. Install components level, plumb and true to line with uniform joints. Do not use defective parts that are warped, twisted, bowed, dented or abraded.

- D. Separate dissimilar materials using nonconductive tape, paint, or other material not visible in finished work.
- E. Provide attachments and shims to permanently fasten system to building structure.
- F. Maintain dimensional tolerances and alignment with adjacent Work.
- G. Anchor securely in place, allowing for required movement, including expansion and contraction.
- H. Install glazing and sealants in accordance with manufacturer's instructions without exception, including surface preparations.
- I. Set sill members in bed of sealant. Set other members with internal sealants to provide weathertight construction.
- J. Install flashings, closures, corners, and other accessories as required or detailed.
- K. Clean surfaces and install sealant in accordance with sealant manufacturer's instructions and structure manufacturer's guidelines.

#### 3.4 ADJUSTING AND CLEANING

- A. Adjust hinge sets, locksets, and other hardware for proper operation. Lubricate using a suitable lubricant compatible with door and frame coatings.
- B. Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions before owner's acceptance.
- C. Clean and maintain aluminum surfaces in accordance with AAMA 610.1.
- D. Remove from project site and legally dispose of construction debris associated with this work.

#### 3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

#### 3.6 SCHEDULES

- A. :
- B. :

END OF SECTION