Product Name
Entry Doors
Associated Specification Section
MasterFormat 08 17 23 – Wood Door
Manufacturer's Name
All Weather at Home

PRODUCT DESCRIPTION

___

PRODUCT FEATURES

- DESCRIPTION

  - Exterior metal-clad wood doors, factory fabricated, vision glass, related flashings, anchorage and attachment devices.

- BASIC USES / RELATED USES

  - Entry, Garden, or balcony doors for residential and light commercial applications.

- PRODUCT ATTRIBUTES AND CHARACTERISTICS

  - Aluminum-clad wood profile frames

  - Pre-finished steel or Fibreglass door slab panels.

  - Easy installations with or without integral pre-punched nailing flange.

  - Removable insect screen with aluminum frame and glass fibre mesh.

  - Weatherstripping of exterior foam tape and pile at sash perimeter.

- SELECTION CRITERIA

  - Available as side-hinged inswing or outswing entry doors.

  - Available with various glazing options. Refer to manufacturer's website or printed literature.

  - Doors are available in many sizes and combinations. Refer to manufacturer's website or printed literature.

  - Online brochure available at: allweatherathome.ca

- SUSTAINABILITY CRITERIA

  - Manufactured in Canadian facilities.

  - Manufacturer has established recycling program in place for waste plastic, aluminum and glass.

- APPLICABLE STANDARDS, RELATED REFERENCES

  - AAMA/WDMA/CSA 101/I.S.2/A440-[11][17] - NAFS - North American Fenestration Standard / Specification for Windows, Doors, and Skylights; including A440S1-[17][19] - Canadian Supplement.

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PRODUCT DESCRIPTION

- ○ AAMA 2400-10 - Standard Practice for Installation of Windows with a Mounting Flange in Stud Frame Construction.

- ○ AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels.

- ○ Designation System for Aluminum Finishes (2000).

- ○ ASTM A123/A123M-12 - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

- ○ ASTM A653/A653M-11 - Specification for Sheet Steel, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process.

- ○ ASTM B209/B209M-10 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.

- ○ ASTM E283-04(2012) - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.

- ○ ASTM E330-02(2010) - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.

- ○ ASTM E547-00(2009) - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference.

- ○ ASTM E783-02(2010) - Standard Test Method for Field Measurement of Air Leakage Through Installed Exterior Windows and Doors

- ○ ASTM E1105-00(2008) - Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors and Curtain Walls by Uniform or Cyclic Static Air Pressure Difference

- ○ ASTM E1300 - 12ae1 - Standard Practice for Determining Load Resistance of Glass in Buildings.

- ○ CAN/CGSB-12.1-M90 - Tempered or Laminated Safety Glass.

- ○ CAN/CGSB-12.2-M91 - Flat, Clear Sheet Glass.

- ○ CAN/CGSB-12.3-M91 - Flat, Clear Float Glass.

- ○ CAN/CGSB-12.8-M90 - Insulating Glass Units.

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PRODUCT DESCRIPTION

- - CAN/CSA-A440.2-09 - Fenestration Energy Performance.

  - CAN/CSA-A440.4-07(R2012) - Window, Door, and Skylight Installation.

  - CAN/CSA-G164-M92 (R2003) - Hot Dip Galvanizing of Irregularly Shaped Articles.

  - IGMAC Certification Program for manufacturers of insulating glass units.

  - ANSI/NFRC 100 - Procedure for Determining Fenestration Product U-Factors.

- PERFORMANCE CRITERIA
  - Entry Doors:
    .
    - Product designation and performance in compliance with AAMA/WDMA/CSA 101/I.S.2/A440 and A440S1-17:
      - Performance Grade: R-PG30 (Size tested 955 x 2073)
      - Air Leakage Performance to ASTM E283: A3
      - Water Penetration Resistance to ASTM E 547: 290 Pa.
  - Glazing:
    - Refer to AWW Glazing Performance Chart

- QUALITY STATEMENT, TESTS, CERTIFICATIONS, AND APPROVALS

  - CSA Certified manufacturing facility in conformance to CAN/CSA-A440.

  - Products comply with ENERGY STAR performance certification and labeling guidelines.

  - Products labelled in accordance with CSA Marking Requirements.

  - Products labelled in accordance with NAFS Marking Requirements

- WARRANTY

  - Manufacturer's Limited Warranty: Five (5) years.

  - Insulated Glass Units: Manufacturer's limited warranty, pro-rated over twenty (20) years from date of manufacture such that air seal of insulated glass units will not fail due to defects in material and workmanship.

- AVAILABILITY

  - Directly from manufacturer.

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PRODUCT DESCRIPTION

- COST
  - Consult manufacturer national or regional offices for specific product costs or relative costs.

PRODUCT PROPERTIES

- SHAPE, MASS, AND DIMENSIONS
  - Frames: Nominal 166 mm (6-9/16 inch) deep profile.

- ACCESSORIES
  - Jamb Extension Options:
    - Standard frames available in jamb depths of 116 mm (4-9/16 inch) and 166 mm (6-9/16 inch).
    - Custom jamb extensions available in jamb depths up to 283 mm (11-1/8 inch).
    - Paint grade (primed) wood.
    - Stain grade (unfinished) wood.

  - Weatherstripping:
    - Head, Jamb, and Sill: Open cell compression foam, with polyethylene liner.
  - Interior Grilles:
    - Flat Style: Available in 8 mm (5/16 inch), 16 mm (5/8 inch) and 25mm (1 inch) face width.
    - Georgian Style: Available in 16 mm (5/8 inch) face width.
    - Colour: Gold, White, Patina, Lead.
    - Grille patterns available
      - Rectangular
      - Ladder
      - Double Ladder
      - Triple Ladder
      - Perimeter

  - Garden Door Insect Screen:
    - Rolled aluminum, pre-finished frame, spring loaded.
    - Glass fibre mesh.
  - Hardware:

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PRODUCT DESCRIPTION

- - Hardware prep for lockset and deadbolt.
  - Hinge Type: Regular.

  ○ Glazing options:
    - Standard clear, double and triple insulating glass.
    - Tempered glazing available.
    - Low E double insulating glass with argon gas.
    - SunStop double insulating glass with argon gas.

- SHOP FABRICATION AND ASSEMBLY
  ○ Shop fabricated.

- FINISH, COLORS AND TEXTURES
  ○ Exterior Aluminum Finish Jamb Wrap (Standard):
    - White
    - Wicker
    - Anthracite Grey
    - Black
    - Architectural Brown
    - Chocolate Brown
    - Pebble

PRODUCT PLACEMENT

- PREPARATION
  ○ Confirm window rough opening size by measuring at three (3) locations along the widths (left, center and right) and heights (top, middle, and bottom).
  ○ Confirm rough opening is square by cross-measuring from corner to corner.
  ○ Confirm rough opening is plumb, level, and not distorted.
  ○ Avoid interference with structural members. Site verification required.
  ○ Verify that adjacent air and vapour barrier interfacing materials are in place.

- INSTALLATION
  ○ Install windows in accordance the manufacturer's written instructions and AAMA 2400 or CAN/CSA-A440.4.

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PRODUCT DESCRIPTION

- ○ Place window shims on sill in each corner of rough opening and under each vertical mullion.

- ○ Place additional shims for large windows in accordance with manufacturer's instructions. Recommended dimensions for shims are 75 mm (3 inch) wide by 100 mm (4 inch) long site fabricated using plywood material.

- ○ Lift window into opening from exterior and rest sill of window on shims. Tack in place.

- ○ Confirm window is level, plumb, and square. Use additional shims at sides and top of window to ensure all components are straight and square and tight fitting to substrate.

- ○ Install remaining fasteners through pre-punched holes in the flange, not less than 150 mm (6 inch) from corners and spaced at approximately 300 – 450 mm (12 to 16 inches).

- ○ Confirm correct operation of operators and operating slider sash, seats fully into the frame.

- ○ Install drip flashing at head of window.

- ○ Coordinate attachment and seal of perimeter air and vapour barrier materials.

- ○ Insulate between window unit and framed opening.

- FINISHING

  - ○ Paint or stain and seal unfinished or exposed wood surfaces within thirty (30) days of installation.

  - ○ Paint Grade Wood Extensions:
    - ■ Factory prime paint-grade wood extensions, apply minimum of two (2) coats of high quality paint.
    - ■ Prime half-round and curved jamb extensions prior to painting.

  - ○ Stain Grade Wood Extensions:
    - ■ Apply one (1) or two (2) coats of stain, with top coat of lacquer or varnish.

- WASTE RECYCLING

  - ○ Shipping blocks are corrugated cardboard and are recyclable.

- MAINTENANCE INSTRUCTIONS AND PROCEDURES

  - ○ Hardware:
    - ■ Clean and lubricate hardware components regularly to prevent excessive wear. Use diluted household cleaner and wipe clean all hardware components.

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- ■ Rinse hardware with clean water to remove detergent or cleaner prior to lubricating.
- ■ Lubricate rollers using silicone based lubricants. Avoid using petroleum based lubricants.
  - ○ Insect Screens:
    - ■ Vacuum interior mounted screens with soft brush attachment or wipe with a soap and water solution.
    - ■ To wash, remove screen and lay on flat surface. Apply cleaning solution and let soak for several minutes. Rinse using a low pressure garden hose spray.
  - ○ Glass Surfaces
    - ■ Clean with mild soap or vinegar-based cleaner. Wipe dry with clean, lint-free cloth.
    - ■ Clean grease, oil, tape adhesive, crayons, markers, or paint with mild abrasive, then repeat cleaning steps listed above.

Corporate Identification
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Classification and Filing
MasterFormat 2013:
08 17 23 – Integrated Wood Door Opening Assemblies

END