



SECTION 06655

ENGINEERED EXTERIOR TRIM AND ACCESSORIES

PART 1 GENERAL

1.00 RELATED DOCUMENTS

- A. The BIDDING REQUIREMENTS, CONTRACTING REQUIREMENTS, and applicable parts of DIVISION 1 - GENERAL REQUIREMENTS, as listed in the Table of Contents, shall be included in and made a part of this Section.

1.01 WORK INCLUDED

- A. Scope: Provide engineered exterior trim products and custom accessories fabricated by Advanced TrimWright, Inc. (ATW), as indicated on the Drawings and as specified herein.
- B. General: Products offered by ATW are fabricated from white solid cellular polyvinyl chloride (PVC) manufactured to ATW stringent specifications and engineered and machined to a superior fit and finish which provides a high quality exterior trim.
- C. Standard Products: Standard exterior trim and accessories products include the following:
 - 1. Corner board trim: Advanced TrimWright, Inc. ATW CornerTRIM™.
 - 2. Tongue and groove bead board panels: Advanced TrimWright, Inc. ATW TrimBEAD™.
 - 3. Rake board trim: Advanced TrimWright, Inc. ATW RakeTRIM™.
 - 4. Gutter: Advanced TrimWright, Inc. ATW GutterTRIM™.
 - 5. Trimboards, lumber-sized: Advanced TrimWright, Inc. ATW TrimBOARD™.
 - 6. Column trim including caps and bases: Advanced TrimWright, Inc. ATW, Inc. ColumnWRAP™.
 - 7. Window trim and casing: Advanced TrimWright, Inc. ATW. WindowTRIM™.
 - 8. Entry trim and entry door trim/casing: Advanced TrimWright, Inc. ATW. EntryTRIM™ and ATW DoorTRIM™.
 - 9. Exterior Mouldings: Advanced TrimWright, Inc. ATW. GreatMOULDINGS™.
 - 10. Deck railing system: Advanced TrimWright, Inc. ATW TrimRAIL™.



- D. Custom Work: Custom work is available from Advanced TrimWright, Inc. (ATW) as Special Order; contact ATW with your requirements. This custom work includes the following products:
 - 1. Advanced TrimWright, Inc. Custom ATW Pergola.
 - 2. Advanced TrimWright, Inc. Custom ATW TrimFENCE™
 - 3. Advanced TrimWright, Inc. Custom ATW Window and Door Trim Packages.
 - 4. Advanced TrimWright, Inc ATW Lawn and Garden Products.

- E. Specialty Installation Materials: ATW also provides specialty installation products for installation and finishing of ATW Products, including:
 - 1. Advanced TrimWright, Inc. ATW Bond&Fill™ Structural adhesive and filler.
 - 2. Advanced TrimWright, Inc. ATW Bond&Fill™ Flex™ flexible adhesive sealant.
 - 3. Advanced TrimWright, Inc. ATW Bond&Fill™ For Painters™ nail hole and gap filler.
 - 4. Advanced TrimWright, Inc. ATW #20 Plastic Biscuits for butt joining of components.

1.02 RELATED WORK

- A. Examine Contract Documents for requirements that affect work of this Section. Other Specification Sections that directly relate to work of this Section include, but are not limited to:
 - 1. Section 06100, ROUGH CARPENTRY: Wood framing and plywood sheathing.
 - 2. Section 04200, UNIT MASONRY: Exterior masonry.
 - 3. Section 04400, STONWORK; Exterior stonework.
 - 4. Section 07210, BUILDING INSULATION: Building insulation.
 - 5. Section 07265, AIR BARRIER: Air barrier.
 - 6. Section 07460, EXTERIOR SIDING: Exterior siding.
 - 7. Section 08610, WOOD WINDOWS AND DOORS: Exterior windows and doors.
 - 8. Section 08615, EXTERIOR CLAD WOOD WINDOWS AND DOORS: Exterior clad windows and doors.
 - 9. Section 09900, PAINTING: Field painting of exterior trim and accessories.

1.03 SUBMITTALS

- A. Product Data: Submit manufacturer's printed product data, specifications, standard details, installation instructions, use limitations and recommendations for each exterior trim and accessory material used. Provide certifications that exterior trim and accessory materials and systems comply with specified requirements.



- B. Initial Selection Samples: Submit samples showing complete range of colors, textures, and finishes available for each exterior trim and accessory material used.
 - C. Verification Samples: Submit representative samples of each exterior trim and accessory material that is to be exposed in the completed work. Show full color ranges and finish variations expected. Provide samples having minimum size of 144 sq. in.
 - 1. Trim and Accessories: Submit two (2) samples of each type of exterior trim and accessory. Each sample shall be minimum 6 inch length.
 - 2. Installation Components: Submit representative components for each installation component.
 - D. Test Reports: Provide certified reports for all specified tests for exterior trim and accessories.
 - E. Material Safety Data Sheets: Provide manufacturer's Material Safety Data Sheets (MSDS) for each product.
- 1.04 QUALITY ASSURANCE
- A. Source: For each exterior trim and accessory material type required for the work of this section, provide primary materials which are the product of one manufacturer. Provide secondary or accessory materials which are acceptable to the manufacturers of the primary materials.
 - B. Mock-Ups: Prior to commencing the primary work of this section, provide mock-ups at locations acceptable to Architect. Obtain Architect's acceptance of visual qualities. Protect and maintain accepted mock-ups throughout the remainder of the work of this section to serve as criteria for acceptance of the work. Approved mock-ups may be incorporated into the finished work.
 - C. Installation Guidelines: Except as otherwise indicated, installation of products shall comply with the following Installation Guidelines available from ATW:
 - 1. Advanced TrimWright, Inc. 'ATW TrimBOARD™ and General PVC Installation Guidelines'.
 - 2. Advanced TrimWright, Inc. 'ATW WindowTRIM™ Installation Instructions'.
 - 3. Advanced TrimWright, Inc. 'ATW DoorTRIM™ Installation Instructions'.
 - 4. Advanced TrimWright, Inc. 'ATW GutterTRIM™ Installation Instructions'.



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5. Advanced TrimWright, Inc. 'ATW CornerTRIM™ Installation Instructions'.
 6. Advanced TrimWright, Inc. 'ATW RakeTRIM™ Installation Instructions'.
 7. Advanced TrimWright, Inc. 'ATW ColumnWRAP™ Installation Instructions'.
- D. Material Safety Data Sheets: Material Safety Data Sheets (MSDS) for each product and each installation material are available from Advanced TrimWright, Inc. (ATW) upon request.
- 1.05 DELIVERY, STORAGE, AND HANDLING
- A. Deliver exterior trim and accessory materials in manufacturer's wrapped and protected packaging to prevent damage to material during transit and handling.
 - B. Exterior trim and accessory materials should be stored on a flat and level surface on a full shipping pallet. Handle materials to prevent damage to product edges and corners. Store materials under protective covering to prevent jobsite dirt and residue from collecting on the material.
- 1.06 JOB CONDITIONS
- A. Substrate: Proceed with exterior trim and accessory work only after substrate construction and penetrating work have been completed.
 - B. Weather Conditions: Proceed with exterior trim and accessory work only when weather conditions are consistent with manufacturer's recommendations and when substrate is completely dry.
 - C. Do not install exterior trim and accessory work on wet surfaces.
 - D. Installers: Installation shall be by qualified subcontractor with sufficient installation experience with projects of similar size and construction.
- 1.07 COORDINATION
- A. Conference: Convene a pre-installation conference to establish procedures to maintain optimum working conditions and to coordinate this work with related and adjacent work.
 - B. Coordination: Perform work of this Section in coordination with other trades to provide the highest quality work.



1.08 WARRANTY

- A. Material Warranty: The cellular PVC materials used in the manufacture or fabrication of Advanced TrimWright, Inc. ATW products are warranted to be free from rot, corrosion, delamination, or excessive swelling from moisture for a period of twenty-five (25) years from date of purchase.
- B. Limited Warranty for Workmanship: Advanced TrimWright, Inc. (ATW) warrants that its products are free of defects in manufacturing and workmanship for a period of one (1) year from date of purchase.

PART 2 PRODUCTS

2.01 MANUFACTURER/FABRICATOR AND DEALERS

- A. Manufacturer/Fabricator: Advanced TrimWright, Inc. TM
250 Cape Highway, Route 44
East Taunton, Massachusetts 02718
Telephone: 508-822-7745; Fax: 508-822-7734
Website: www.advancedtrimwright.com
- B. Dealers: Products are available from your local lumberyard or dealer and through the Brockway Smith (BROSCO) distribution network www.brosco.com. For a complete listing refer to manufacturer's website: www.advancedtrimwright.com or contact the manufacturer at 508-822-7745.

2.02 MATERIAL PROPERTIES AND FABRICATION

- A. Provide exterior trim and accessories fabricated of extruded solid cellular polyvinyl chloride (PVC) that will not rot, will not shrink, has a high UV resistance, is insect-proof, and can be sanded and painted.
 - 1. Material shall be an extruded rigid homogenous polyvinyl chloride material free of voids, holes, cracks, and foreign inclusions and other defects.
- B. Material shall have the following properties:
 - 1. Physical:
 - a. Water Absorption (ASTM D 570): 0.30 percent.
 - b. Hardness, Shore D (ASTM D 2240): 70.
 - c. Specific Gravity (ASTM D 792): 0.55 g/cm³.



2. Mechanical:
 - a. Tensile Strength at Yield (ASTM D 638): 2,000 psi.
 - b. Elongation at Break (ASTM D 638): 40 percent.
 - c. Flexural Modulus (ASTM D 790): 130,000 psi.
 - d. Compression Strength (ASTM D 695): 2,018 psi.
 - e. Impact Strength, Charpy Unnotched (ASTM D 256): 5 ft.-lb. / in².
 - f. Dielectric Strength (ASTM D 149): 12 kv/mm.
 3. Thermal:
 - a. Heat Distortion Temperature (under load at 264 psi) (ASTM D 648): 130 degrees F.
 - b. Coefficient of Linear Expansion (ASTM D 696): 35 x 10⁻⁶ in. / in. degrees F.
 - c. Thermal Conductivity (ASTM C 177): 0.50 BTU in./hr. ft.² degree F.
 4. Flammability Standards:
 - a. UL 94 Standard; VO - Passed.
 - b. UL 94 Standard; 5V - Passed.
 - c. UL 48 - Passed.
- C. Material exhibits the following properties:
1. Will not absorb water.
 2. Resists rot.
 3. Insect-proof.
 4. Withstands direct contact with moisture.
 5. Required distance above grade - 0 inch.
 6. Can be in direct contact with masonry or concrete.
 7. Required distance from edge for face nailing - 1/4 inch.
 8. Does not require predrilling.
 9. Paint Requirement: One (1) coat.
- D. Fabrication:
1. Edges must be square; top and bottom surfaces shall be flat with no convex or concave deviation.
 2. Material shall have a uniform surface free from cupping, warping, and twisting.



E. Tolerances: Tolerances of trim shall conform to the following:

1. Variation in length: -0.00 / +1.00 inch
2. Variation in width: +/- 1/16 inch.
3. Variation in thickness: +/- 1/16 inch.
4. Variation in edge cut: +/- 2 degrees.
5. Variation in density: +/- 0.02 grams per cubic centimeter.

2.03 CORNER BOARD TRIM

A. Provide exterior corner board trim fabricated of cellular PVC equal to Advanced TrimWright, Inc. ATW CornerTRIM™.

1. Assembly: One-piece assembled corner board trim unit.
2. Profile: Smooth Flat Trim or Fluted Trim as selected.
3. Edge: Available as Square Edge or with J-Channel Edge.
3. Attachment: Available with CornerCLIPS™ or without CornerCLIPS™.
 - a. Fully adjustable concealed attachment using Advanced TrimWright, Inc. patented CornerCLIPS™ attachment system. Clips are available as 4 inch or 6 inch.
4. Available Sizes: refer to manufacturer's website: www.advancedtrimwright.com.
 - a. Flat 1 in.: 1 in. x 4 in. nominal; 1 in. x 5 in. nominal; 1 in. x 6 in. nominal.
 - b. Flat 5/4 in.: 5/4 in. x 4 in. nominal; 5/4 in. x 5 in. nominal; 5/4 in. x 6 in. nominal; 5/4 in. x 8 in. nominal.
 - c. Fluted 1 in.: 1 in. x 8 in. nominal.
 - d. Fluted 5/4 in.: 5/4 in. x 8 in. nominal.
5. Available Lengths: refer to manufacturer's website: www.advancedtrimwright.com.
 - a. Standard Length: 10 foot.
 - b. Special Order Lengths: 20 foot.

2.04 BEAD BOARD PROFILE PANELS AND TRIM

A. Provide exterior edge and center bead profile panels with tongue and groove edge, fabricated of cellular PVC equal to Advanced TrimWright, Inc. ATW TrimBEAD™.

1. Profile: Beadboard.
2. Thickness: 1/2 inch.
3. Available Sizes: refer to manufacturer's website: www.advancedtrimwright.com.
 - a. Beadboard Sheet: 4 ft. x 8 ft.
 - b. Beadboard Trim Boards: 4 in. x 18 foot (actual dimensions), 6 in. x 18 ft. (actual dimension), or 8 in. x 18 ft. (actual dimensions).\
 - c. Custom Sizes: Available upon request.



2.05 RAKE BOARD TRIM

- A. Provide exterior rake board trim fabricated of cellular PVC equal to Advanced TrimWright, Inc. ATW RakeTRIM™.
 - 1. Assembly: One piece assembled rake board.
 - 2. Profile: Smooth Flat Trim with Shadow Trim.
 - 3. Available Sizes: refer to manufacturer's website: www.advancedtrimwright.com.
 - a. Flat 1 in. x 6 in. nominal with 1 in. x 2 in. shadow board trim.
 - b. Flat 1 in. x 8 in. nominal with 1 in. x 3 in. shadow board trim.
 - c. Flat 1 in. x 10 in. nominal with 1 in. x 4 in. shadow board trim.
 - 4. Available Lengths: refer to manufacturer's website: www.advancedtrimwright.com.
 - a. Standard Length: 18 foot.
 - 5. Custom Sizes: Available upon request.

2.06 GUTTER

- A. Provide exterior gutter units fabricated of cellular PVC equal to Advanced TrimWright, Inc. ATW GutterTRIM™.
 - 1. Available Profiles:
 - a. 4 in. x 6 in. 'Boston' gutter profile with heat-absorbing insert.
 - b. 4 in. x 5 in. gutter profile (no insert available).
 - 2. Sizes:
 - a. 4 in. x 6 in. 'Boston' profile available in 10 foot and 20 foot lengths.
 - b. 4 in. x 5 in. profile available in 10 foot lengths.
 - 3. Accessories
 - a. Gutter Drops: 2 in. PVC.
 - b. End Caps: Left and right end caps available.
 - c. Gutter Lining Insert: Heat absorbing type available for 4 in. x 6 in. 'Boston' profile gutter only.
 - d. Installation Materials: ATW Bond&Fill™ Gutter Kit and ATW Bond&Fill™ FLEX™.

2.07 TRIM BOARDS (LUMBER-SIZE)

- A. Provide exterior trimboards (lumber size) fabricated of cellular PVC equal to Advanced TrimWright, Inc. ATW TrimBOARD™.

1. Board Stock: Sizes:
 - a. 1 in. nominal (3/4 in. actual thickness) x ___ Board Stock: Sizes:
 - 1). 1 in. x 4 in. nominal available in 8 ft., 10 ft., 12 ft. and 18 ft. lengths.
 - 2). 1 in. x 5 in. nominal available in 8 ft., 10 ft., 12 ft. and 18 ft. lengths.
 - 3). 1 in. x 6 in. nominal available in 8 ft., 10 ft., 12 ft. and 18 ft. lengths.
 - 4). 1 in. x 8 in. nominal available in 8 ft., 10 ft., 12 ft. and 18 ft. lengths.
 - 5). 1 in. x 10 in. nominal available in 8 ft., 10 ft., 12 ft. and 18 ft. lengths.
 - 6). 1 in. x 12 in. nominal available in 8 ft., 10 ft., 12 ft. and 18 ft. lengths.
 - b. 5/4 in. nominal (1 in. actual thickness) x ___ Board Stock: Sizes:
 - 1). 5/4 in. x 4 in. nominal available in 8 ft., 10 ft., 12 ft., 18 ft., and 20 ft. lengths.
 - 2). 5/4 in. x 5 in. nominal available in 8 ft., 10 ft., 12 ft., 18 ft., and 20 ft. lengths.
 - 3). 5/4 in. x 6 in. nominal available in 8 ft., 10 ft., 12 ft., 18 ft., and 20 ft. lengths.
 - 4). 5/4 in. x 8 in. nominal available in 8 ft., 10 ft., 12 ft., 18 ft., and 20 ft. lengths.
 - 5). 5/4 in. x 10 in. nominal available in 8 ft., 10 ft., 12 ft., 18 ft., and 20 ft. lengths.
 - 6). 5/4 in. x 12 in. nominal available in 8 ft., 10 ft., 12 ft., 18 ft., and 20 ft. lengths.
2. Sheet Stock Sizes:
 - a. 1/2 in. nominal thick sheet material available in the following sheet sizes: 4 ft. x 8 ft., 4 ft. x 10 ft., 4 ft. x 12 ft., and 4 ft. x 18 ft. sheet sizes.
 - b. 1 in. nominal (actual 3/4 in. thick) sheet material available in the following sheet sizes: 4 ft. x 8 ft., 4 ft. x 10 ft., 4 ft. x 12 ft., and 4 ft. x 18 ft. sheet sizes.
 - c. 5/4 in. nominal (actual 1 in. thick) sheet material available in the following sheet sizes: 4 ft. x 8 ft., 4 ft. x 10 ft., 4 ft. x 12 ft., 4 ft. x 18 ft. and 4 ft. x 20 ft. sheet sizes.

2.08 COLUMN TRIM / COLUMN WRAP

- A. Provide exterior column trim (column wrap) including caps and bases fabricated of cellular PVC equal to Advanced TrimWright, Inc. ATW ColumnWRAP™.
 1. Profile: One piece assembled column wrap.
 2. Configurations and Sizes:
 - a. Square Column Design:
 - 1). Square Column surround (fits nominal 4 in. x 4 in. post): 6 inch O.D. square column.
 - 2). Square Column surround (fits nominal 6 in. x 6 in. post): 8 inch O.D. square column.



- b. Octagon Column Design:
 - 1). Octagonal Column surround (fits nominal 4 in. x 4 in. post): 6-1/2 inch O.D. octagonal column.
 - 2). Octagonal Column surround (fits nominal 6 in. x 6 in. post): 8-1/2 inch O.D. octagonal column.
 - c. Raised Panel Column, Tapered Design:
 - 1). 6 in. O.D. at top; 7 in. O.D. at bottom (fits nominal 6 in. x 6 in. post).
 - d. Raised Panel Column, Design (No Taper):
 - 1). 6 in. O.D. (fits nominal 4 in. x 4 in. post).
 - 2). 8 in. O.D. (fits nominal 6 in. x 6 in. post).
 - e. Fluted Column Design:
 - 1). 6 in. O.D. (fits nominal 4 in. x 4 in. post).
 - 2). 8 in. O.D. (fits nominal 6 in. x 6 in. post).
 - f. Custom Sizes: Available upon request.
3. Lengths: Available in 9 foot lengths.
 4. Base and Cap Trim: Available from ATW.
 5. Installation Materials: ATW Bond&Fill™ STRUCTURAL™ adhesive. Also included are caulking gun adaptor, Velcro straps, disposable mixing nozzles, shims, screws, and installation instructions.

2.09 WINDOW TRIM AND CASING

- A. Provide exterior window trim and casing fabricated of cellular PVC equal to Advanced TrimWright, Inc. ATW WindowTRIM™. ATW WindowTRIM™ is available to fit any window size and style available from window manufacturers.
 1. Assembly: One piece assembled unit.
 2. Face Profile: Smooth Flat Trim available in 1 in. nominal and 5/4 in. nominal profiles; available face widths are 4 in. nominal, 5 in. nominal, and 6 in. nominal.
 3. Back: Mortise on back to accept nailing trim clips and to allow for nailing flange on windows.
 4. Edge:
 - a. Square Edge: 1 in. nominal and 5/4 in. nominal.
 - b. J-Channel Edge: 5/4 in. nominal only.
 5. Attachment Clips and Flashings:
 - a. Nail-free fastening attached using Advanced TrimWright, Inc. patented ATW TrimCLIPST™ attachment system.
 - b. Flashing: ATW FlashCLIP™.



6. Sill Design: Available in the following sill profiles:
 - a. Standard Sill Profile: ATW StandardSILL™ – 2 in. profile; 16 ft. lengths.
 - b. Historic Sill Design: ATW HistoricSILL™ – 2-3/4 in. profile; 16 ft. lengths.
7. Pediment Profiles: A full range of available pediments are available including the following:
 - a. ATW Taunton Pediment.
 - b. ATW Standard Pediment Face Mount.
 - c. ATW Taunton Pediment with 3068 Cove/Round Moulding Applied to Head Only.
 - d. ATW 3052 Pediment.
 - e. ATW 3026 Pediment.
 - f. ATW 3027 Pediment.
 - g. ATW 3074 Pediment.
 - h. ATW 3024 Applied to Head and Sides.
 - i. ATW 3041 Pediment.
 - j. ATW 3043 Pediment.
 - k. ATW 3038 Pediment.
 - l. ATW 3024 Applied to Head & Sides with Keyblock.
 - m. ATW Radius Taunton Pediment.
 - n. ATW Picture Framed Casing.
 - o. ATW 3038 Pediment with Dentil.
 - p. ATW 3032 Brickmould.
8. Other Sizes: refer to manufacturer's website: www.advancedtrimwright.com. Custom WindowTRIM is available for all other sizes.
9. Installation Materials: ATW J Channel WindowTRIM™ Kit including FlashCLIP™ TrimSEAL™ and Installation TrimCLIPS™ and installation instructions.
 - a. For Radius ATW WindowTRIM Kits come supplied with Installation CLIPS™ installed by ATW.

2.10 ENTRY TRIM AND DOOR TRIM SYSTEMS

- A. Provide exterior entry (entrance) and door trim systems fabricated of cellular PVC equal to Advanced TrimWright, Inc. ATW EntryTRIM™ and ATW DoorTRIM™.
 1. Assembly: ATW fabricated to include header (pediment head and frieze board head), shelf, pilaster, plinth block, mullion casing, and related items of the designs available from Advanced TrimWright, Inc. (ATW).



2. Header Components: Available header components include the following:
 - a. ATW B-6S Sunburst.
 - b. ATW B-6R Adjustable Ram's Head.
 - c. ATW B-3D 3'-0" Dentil.
 - d. ATW B-6D 6'-4" Dentil.
 - e. ATW B-3F 3'-0" Frieze Board.
 - f. ATW B-6F 6'-4" Frieze Board.
 - g. ATW B-3P 3'-0" Pediment.
 - h. ATW B-6P 6'-4" Pediment.
 - i. ATW 3'-0" Shelf.
 - j. ATW 7'-2-1/2" Shelf.
3. ATW EntryTRIM B-4: 3-1/2 in. Fluted ATW EntryTRIM Kits (for door units up to 7 ft. in height) with 3-1/2 in. Fluted Pilasters and 2-1/4 in. Mullion Casing including the following configurations:
 - a. ATW Basic Trim unit.
 - b. ATW Basic Trim & Pediment Head.
 - c. ATW Basic Trim & Frieze Board Head.
 - d. ATW Basic Trim, Frieze Board & Pediment Head
 - e. ATW Basic Trim & Ram's Head.
4. ATW EntryTRIM B-5: 4-1/2 in. Reeded ATW EntryTRIM Kits (for door units up to 7 ft. in height) with 4-1/2 in. Reeded Pilasters and 2-1/4 in. Mullion Casing including the following configurations:
 - a. ATW Basic Trim unit.
 - b. ATW Basic Trim & Pediment Head.
 - c. ATW Basic Trim & Frieze Board Head.
 - d. ATW Basic Trim, Frieze Board & Pediment Head
 - e. ATW Basic Trim & Ram's Head.
 - f. ATW Basic Trim & Sunburst Head.
5. ATW EntryTRIM B-6: 5-1/2 in. Fluted ATW EntryTRIM Kits (for door units up to 7 ft. in height) with 5-1/2 in. Fluted Pilasters and 2-1/4 in. Mullion Casing including the following configurations:
 - a. ATW Basic Trim unit.
 - b. ATW Basic Trim & Pediment Head.
 - c. ATW Basic Trim & Frieze Board Head.
 - d. ATW Basic Trim, Frieze Board & Pediment Head
 - e. ATW Basic Trim, Frieze Board & Ram's Head.



6. ATW EntryTRIM B-9: 8-1/2 in. Fluted ATW EntryTRIM Kits (for door units up to 7 ft. in height) with 8-1/2 in. Fluted Pilasters and 2-1/4 in. Mullion Casing including the following configurations:
 - a. ATW Basic Trim unit.
 - b. ATW Basic Trim with Dentil Head.
 - c. ATW Basic Trim & Ram's Head.

2.11 MOULDINGS

- A. Provide exterior mouldings fabricated of cellular PVC equal to Advanced TrimWright, Inc. ATW GreatMOULDINGS™ of the following profiles:

1. Band Mouldings:
 - a. 3024: 5/8 in. x 1-3/4 in.
 - b. 3042: 1 in. x 2-1/4 in.
 - c. 3045: 1-3/16 in. x 2-3/4 in.
 - d. 3072: 5/8 in. x 1-1/8 in.
 - e. 3079: 11/16 in. x 2-1/2 in.
 - f. 3080: 7/16 in. x 1-1/8 in.
 - g. 3084: 11/16 in. x 1-1/2 in.
2. Base Moulding:
 - a. 3022: 5/8 in. x 1-3/8 in.
3. Bed Mouldings:
 - a. 3023: 9/16 in. x 1-3/4 in.
 - b. 3038: 3/4 in. x 2-3/4 in.
 - c. 3039: 9/16 in. x 2-3/16 in.
 - d. 3075: 9/16 in. x 2-1/4 in.
4. Cove and Round Mouldings:
 - a. 3030: 5/8 in. x 3/4 in.
 - b. 3051: 1-1/2 in. x 1-1/2 in.
 - c. 3065: 3/4 in. x 3/4 in.
 - d. 3068: 11/16 in. x 7/8 in.
 - e. 3073: 11/16 in. x 7/8 in.
 - f. 3083: 11/16 in. x 1-1/8 in.



5. Crown Mouldings:
 - a. 3026: 5/8 in. x 3-3/4 in.
 - b. 3027: 5/8 in. x 4-5/8 in.
 - c. 3040: 1/2 in. x 4-7/16 in.
 - d. 3041: 1/2 in. x 2-1/2 in.
 - e. 3044: 9/16 in. x 3-3/8 in.
 - f. 3052: 1/2 in. x 3-5/8 in.
 - g. 3053: 1 in. x 6-1/4 in.
 - h. 3074: 9/16 in. x 2-3/4 in.
 - i. 3076: 11/16 in. x 5-1/4 in.
 - j. 3077: 9/16 in. x 2-3/4 in.
 - k. 3078: 5/8 in. x 4-1/4 in.
 - l. 3081: 11/16 in. x 4-5/8 in.
 - m. 3043: 1 in. x 2-1/2 in.
 - n. 3067: 2-1/8 in. x 3-1/2 in.

6. Door Mouldings:
 - a. 3032: 2 in. x 1-1/8 in.
 - b. 3056: 3/8 in. x 1-5/8 in.
 - c. 3057: 11/16 in. x 4-7/16 in.
 - d. 3058: 1 in. x 5-1/2 in.
 - e. 3060: 1 in. x 2-3/8 in.
 - f. 3062: 1-5/8 in. x 2-3/4 in.
 - g. 3066: 1 in. x 1-7/8 in.
 - h. 3069: 1 in. x 3-1/2 in.
 - i. 3070: 1 in. x 4-1/2 in.
 - j. 3082: 1 in. x 2 in.

7. Window Mouldings:
 - a. 3033: 2 in. x 2 in.
 - b. 3035: 2-1/4 in. x 2-3/4 in.
 - c. 3046: 3/4 in. + 5/4 in. casing.
 - d. 3047: 5/4 in. casing.

8. Drip Cap Mouldings:
 - a. 3028: 11/16 in. x 1-3/4 in.
 - b. 3063: 1-1/2 in. x 3-1/4 in.
 - c. 3085: 1-5/16 in. x 4-1/4 in.



- 9. Water Table Drip Cap Mouldings:
 - a. 3029: 3/4 in. x 1-1/2 in.

- 10. Hand Rail:
 - a. 3048: 1/2 in. x 4-1/2 in.
 - b. 3049: 1-1/2 in. x 5-1/4 in.
 - c. 3050: 1-1/2 in. x 3-3/4 in.
 - d. 3086: 1-1/2 in. x 3-1/2 in.

- 11. Fence Cap:
 - a. 3034: 1-1/8 in. x 1-3/4 in.

- 12. Pediment
 - a. Face Mount: 2-11/16 in. x 1-11/16 in.
 - b. Taunton: 2-11/16 in. x 2-1/2 in.

2.12 DECK RAILING SYSTEM

- A. Provide exterior deck rail and post system fabricated of cellular PVC equal to Advanced TrimWright, Inc. ATW TrimRAIL™
 - 1. Style: Traditional Nantucket.
 - 2. Configurations/Sizes: 36 inch x 4 foot; 36 inch x 6 foot, 36 inch x 8 foot sections complete with top and bottom rails. Additional available items include 42 inch end, center, corner, 45 degree, and stair posts.
 - 3. Assembly: Available assembled or KD (knock-down).
 - 4. Accessories: Bolt and washer assembly, 1/2 inch.

2.13 INSTALLATION PRODUCTS

- A. Provide installation products supplied by Advanced TrimWright, Inc. (ATW) including the following:
 - 1. Adhesive and Filler: Advanced TrimWright, Inc. ATW Bond&Fill™ STRUCTURAL™. Structural adhesive exhibits the following properties:
 - a. Shear Strength, after 24 hour cure: 3,214 psi (substrate fails before bond failure).
 - b. Color: White.
 - c. Paintable.
 - d. Sandable.



- e. Work Life: 5 to 8 minutes.
 - f. Cure Time: 15 minutes minimum.
 - g. Surface Preparation: Wipe clean.
 - h. Clean Up: Acetone.
2. Flexible, Adhesive Sealant: Advanced TrimWright, Inc. ATW Bond&Fill™ FLEX™ flexible adhesive. Flexible adhesive exhibits the following properties:
- a. Tensile Strength: 175 psi.
 - b. Color: White.
 - c. Paintable.
 - d. Sandable.
 - e. Work Life: 30 to 45 minutes.
 - f. Cure Time: 24 hours.
 - g. Surface Preparation: Wipe clean.
 - h. Clean Up: Water.
3. Nail Hole and Gap Filler: Advanced TrimWright, Inc. ATW Bond&Fill™ FOR PAINTERS™ nail hole and gap filler compound. Nail hole and gap filler compound exhibits the following properties:
- a. Tensile Strength: 391 psi.
 - b. Color: White.
 - c. Paintable.
 - d. Work Life: 30 to 45 minutes.
 - e. Cure Time: 24 hours.
 - f. Surface Preparation: Wipe clean.
 - g. Clean Up: Water.
4. Clips and Attachments: Advanced TrimWright, Inc. ATW patented concealed clip system and related items.
- a. Clips and attachments are wrapped and shipped with product.
 - b. Fasteners are aluminum, ring shank design.
5. Plastic Biscuits for Joining of Butt Joints in the Field: Advanced TrimWright, Inc ATW #20 Plastic Biscuits.



PART 3 EXECUTION

3.01 INSPECTION

- A. Installer of exterior trim and accessory work must examine substrate and conditions under which work is to be performed and must notify Contractor in writing of unsatisfactory conditions.
- B. Do not proceed with exterior trim and accessory work and accessories until unsatisfactory conditions have been corrected in manner acceptable to installer.

3.02 PREPARATION OF SUBSTRATE

- A. Coordinate installation of exterior trim and accessory work with flashing, soffits, and other adjoining work to ensure proper sequencing.

3.03 INSTALLATION

- A. General: Comply with instructions and recommendations of exterior trim and accessory manufacturer.
 - 1. Comply with manufacturer's product catalog installation instructions and product technical bulletin instructions.
 - 2. Cut boards using carbide tipped blades.
 - 3. Drilling can be accomplished using twist drills recommended for metals.
 - 4. Milling can be accomplished using standard milling machines of various types. Relief Angle 20° to 30°; Cutting speed to be optimized with the number of knives and feed rate.
 - 5. Routing can be accomplished using standard carbide tipped routers used in woodworking.
 - 6. Edge Finishing: Various sanding, grinding or filing tools. Do not allow excessive frictional heat to build up.
 - 7. Linear Thermal Expansion and Contraction: Allow for 1/8 inch movement for each 18 ft. board.
 - 8. Sealing of Butted Joints: Butted joints shall be glued with Advanced TrimWright, Inc. ATW Bond&Fill™ STRUCTURAL™ Adhesive to eliminate separation of joint. Provide optional #20 Plastic Biscuits at each joint.



3.04 ADJUST AND CLEAN

- A. Replace all damaged exterior trim and accessory work and flashings.
- B. Remove debris and excess materials not part of extra stock from Project site.

END OF SECTION

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