SECTION 066010

EXTERIOR PVC NEWEL POST WRAPS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS
   A. Drawings and other Contract Documents, listed in the agreement between the Owner and Contractor, apply to this Section.

1.2 SUMMARY
   A. Section Includes:
      1. Exterior PVC newel post wraps.

1.3 SUBMITTALS
   A. Product Data: For each type of product. Indicate materials, dimensions, profiles, and include construction and application details.
   B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
   C. Samples: For each type of product involving selection of thicknesses and profiles.
   D. Evaluation Reports: For the following, from ICC-ES:
      1. Cellular PVC.
   E. Warranty: Submit sample warranty.

1.4 DELIVERY, STORAGE, AND HANDLING
   A. Store materials flat with spacers between bundles to provide air circulation. Protect materials with waterproof covering.
   B. Do not store packaging materials in direct sunlight to prevent heat build up.

1.5 FIELD CONDITIONS
   A. Weather Limitations: Proceed with installation only when existing and forecast weather conditions permit work to be performed.
   B. Do not install PVC materials that are damaged.
1.6 WARRANTY

A. Manufacturer's Warranty: Manufacturer agrees to replace components that fail due to defects in materials or workmanship within specified warranty period.

1. Warranty Period: Limited Lifetime Warranty. Refer to manufacturer’s website for details.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. INTEX Millwork Solutions, LLC; 20 Bogden Blvd., Millville, NJ 08332; Tel: (856) 293-4100, Fax: (856) 293-4102.

2.2 EXTERIOR PVC NEWEL POST WRAPS

A. Cellular PVC: Recommended by manufacturer for exterior use, made from UV- and heat-stabilized, rigid material.

1. Thickness: 5/8 inch thickness available in all panel designs, 3/8 inch thickness available in flat panel design only.

B. Panel Design:

1. Flat Panel.
2. Raised Panel.
3. Recessed Panel.
4. Fluted Panel.

C. Panel Configuration:

Use the following panel configuration with skirted caps.

1. Four sides.

Use the following three panel configurations with non-skirted caps.

2. “C” - Corner.

Select height from two options below:

D. Height: [40] [46] [50] inches.

Select dimensions from four options below:

E. Dimensions: [6 by 6] [8 by 8] [10 by 10] [12 by 12] inches.
2.3 NEWEL CAPS

   A. Design Profile:

   **Select height for skirted caps from three options below:**
   
   1. Triple Tier for [40] [46] [50] inch Newel.
   2. Plain.
   3. Plain with Rake Pyramidal.

   **Select dimensions from four options below:**
   
   B. Dimensions: [6 by 6] [8 by 8] [10 by 10] [12 by 12] inches.

2.4 MISCELLANEOUS MATERIALS

   A. Fasteners for Cellular PVC: Provide manufacturer’s recommended fasteners.
   
   B. Adhesive for Cellular PVC: Product recommended by manufacturer.
   
   C. Sealants: Type as recommended by manufacturer and complying with ASTM C 834 and with applicable requirements in Division 07 Section "Joint Sealants."

PART 3 - EXECUTION

3.1 EXAMINATION

   A. Examine substrates, with installer present, for compliance with requirements for installation tolerances and other conditions affecting performance.
   
   B. Examine PVC materials before installation. Reject materials that are damaged.
   
   C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

   A. Clean substrates of projections and substances detrimental to application.

3.3 INSTALLATION, GENERAL

   A. Do not use materials that are unsound or warped.
   
   B. Install PVC newel post wraps level, plumb, true, and aligned with adjacent materials.
3.4 NEWEL COVER INSTALLATION

A. Install PVC newel post wraps in strict accordance with manufacturer’s written installation instructions, and detailed shop drawings.

B. Structural Post Preparation:
   1. Insure that structural newel post is sound, straight and plumb.

   Note that all Intex Newel Cover sizing is given as outside dimensions.

2. Based upon Newel Cover size, pack out the structural newel as appropriate to support the cover. Insure that adequate blocking is placed at all locations where railing will be attached.

C. Newel Cover Installation:
   1. Slide the Newel Cover down over the structural newel and blocking/packing, and secure with stainless steel finishing nails.

D. Trim Installation:
   1. Bottom wrap with WM164 cap and base trim ships pre-assembled on the Newel Cover, but can be slipped off for trimming. Once bottom wrap/trim is in place, secure with stainless steel finishing nails.
   2. Apply Newel Cap (purchased separately) using exterior caulk. Do not secure Cap until railings are installed.

3.5 CLEANING

A. Clean exposed PVC surfaces.

3.6 PROTECTION

A. Protect installed products from damage during construction.

B. Remove and replace PVC materials that are damaged.

END OF SECTION