

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 fails 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.
3. "L" - Line.
4. "E" - End.

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