

TUBOS® Vent Pipe Extensions

TUBOS are pre-fabricated plumbing vent pipe extensions. TUBOS provides the fastest, strongest, and most cost-effective method for extending plumbing vent pipes during reroofing operations. User-friendly Tubos plumbing vent pipe extensions can be installed at any location where the plumbing vent pipe height above the existing level of the finished roof system surface does not comply with applicable building code minimum requirements.

TUBOS feature:

Ease of Installation: No special tools are required to size and install TUBOS securely into openings of existing plumbing vent pipes. Standard hand tools (tape measure, manual or portable battery powered saw, caulk gun) are all that is needed for installation.

Design Simplicity: TUBOS are manufactured for use with standard diameter vent pipes. TUBOS are prefabricated with integral six-inch long pipe joint splice sleeve inserts at each end of every unit.

Economical: Each TUBOS can be used for two installations. After one end of the TUBOS is cut and installed, the opposite end can be retained for future installation at another pipe of the same diameter. No fabrication time and minimal installation labor lets you quickly get on with your project.

Average time to install...3 minutes.

Average material savings...35 dollars per vent pipe.

Contact Tubos, Inc., Clearwater FL; Phone: (727) 504-0633 info@tubos.biz, or visit the Tubos web site www.Tubos.biz.

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SECTION 22 13 19

SANITARY WASTE AND VENT SPECIALTIES (Vent Pipe Extensions)

PART 1 - GENERAL

1.1 SECTION INCLUDES

1. Plumbing vent pipe extension fittings.

1.2 RELATED SECTIONS

1. Division 07 Section "Preparation for Re-Roofing" for general requirements for preparation for building re-roofing including coordination of related plumbing and mechanical work.
2. Division 22 Section "Sanitary Waste and Vent Piping" for general requirements for waste and vent piping.

1.3 REFERENCES

A. ASTM International (ASTM):

1. ASTM C 920 - Specification for Elastomeric Joint Sealants.
2. ASTM D 2564 – Standard Specification for Solvent Cements for Poly(Vinyl Chloride) (PVC) Plastic Piping Systems.
3. ASTM D 2665 – Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings.
4. ASTM F 656 – Standard Specification for Primers for Use in Solvent Cement Joints of Poly(Vinyl Chloride) (PVC) Plastic Pipe and Fittings.

B. International Association of Plumbing and Mechanical Officials (IAPMO):

1. Universal Plumbing Code (cUPC US and Canada) approvals.

C. National Roofing Contractors Association (NRCA):

1. NRCA Roofing Manual, Latest Edition.

D. NSF International (NSF):

1. NSF/ANSI 14 - Plastics Piping Systems Components and Related Materials.

1.4 ACTION SUBMITTALS

- ###### A. Product Data:
- For plumbing vent pipe extensions, indicating mounting and securing requirements and extended heights required.

- ###### B. Shop Drawings:
- Submit annotated copy of roof plan indicating locations of plumbing vents requiring pipe extensions, based upon Contractor's field verification of existing conditions and requirements of applicable plumbing code.

1. Indicate details of completed roofing flashing configuration for all locations. Include reference to applicable NRCA plate number.

1.5 INFORMATION SUBMITTALS

- A. Manufacturer's Certificate: On roofing membrane manufacturer's letterhead, accepting use of proposed sealant in contact with roofing membrane.

1.6 QUALITY ASSURANCE

- A. Comply with NSF/ANSI 14, "Plastics Piping Systems Components and Related Materials," for plastic piping components.
- B. Comply with flashing requirements shown in NRCA Roofing Manual.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide sanitary vent pipe extensions manufactured by Tubos, Inc., Clearwater FL; Phone: (727) 504-0633 info@tubos.biz.

2.2 MATERIALS

- A. Solid-Wall PVC Pipe: ASTM D 2665, drain, waste, and vent.
- B. Sealant: Single-Component, Nonsag, Urethane Joint Sealant: ASTM C 920, Type S, Grade NS, Class 25, for Use NT, and acceptable to roofing membrane manufacturer.

2.3 PLUMBING VENT PIPE EXTENSION

- A. Roof Vent Pipe Extension: Solid-wall PVC fitting consisting of pipe and splice sleeve inserts, configured for insertion and sealing to existing plumbing vent piping, sized to fit inside diameter of plumbing vent piping, enabling extension of piping to field-determined height.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine each plumbing vent piping location to determine required plumbing vent pipe extensions based upon minimum finished height requirements and measured existing conditions. Indicate plumbing vent pipe extensions on shop drawings.
 1. Examine existing plumbing vent piping conditions and determine whether flashing reuse is acceptable or whether replacement of flashing is required. Indicate flashing replacement locations on shop drawings.

3.2 PREPARATION

- A. Remove existing flashing from plumbing vent piping to extent required to enable installation of new plumbing vent pipe extensions and completion of flashings.
- B. Clean plumbing vent piping to ensure that joint surfaces are clean, dry, and free from contamination including dirt, oils, grease, tar, wax, rust, and other substances that may inhibit adhesive or sealant performance.

3.3 INSTALLATION OF PLUMBING VENT PIPE EXTENSIONS

- A. Insert end of plumbing vent pipe extension into existing plumbing vent piping.
 - 1. Verify circumference of existing plumbing vent piping and plumbing vent pipe extension are appropriate to achieve secure, rigid installation.
 - 2. Mark plumbing vent pipe extension at required height above finished roof surface level, and cut to required length.
 - 3. Apply adhesive or sealant to plumbing vent piping as appropriate to existing pipe material and plumbing vent pipe extension, and mate plumbing vent pipe extension to existing piping. Apply adequate adhesive or sealant to achieve secure, rigid installation.
- B. Flashing: Comply with primary roofing material manufacturer's published recommendations for installation of approved pipe flashings. Match existing flashing materials unless otherwise directed.

3.4 CLEANING AND PROTECTION

- A. Repair or replace defective work, including loose plumbing vent extensions, or unsecured flashings or flashings that are not weathertight.

END OF SECTION