

**Plumbing Board**  
**c/o Department of Labor and Industry**  
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**NOTICE OF FINAL INTERPRETATION**

On October 15, 2024, the Minnesota Plumbing Board issued a Final Interpretation, which is printed below, pursuant to Minnesota Statutes §§ 326B.435, subd. 2(a)(4), and 326B.127, subd. 5.

Any person aggrieved by this Final Interpretation may appeal it within 30 days of its issuance in accordance with Minnesota Statutes chapter 14.

Questions may be directed to Adam Case, telephone number: 651-284-5202, email: [adam.case@state.mn.us](mailto:adam.case@state.mn.us).

**FINAL INTERPRETATION**

Inquiry:	PB0183
Subject:	Equivalent sweep
Code Reference:	Minnesota Plumbing Code: §§ 706.3, 706.4
Submitted by:	Jim Peterson Minnesota Plumbing Heating Cooling Contractors Association 1144 Waldon Place, Arden Hills MN, 55112
Approved by:	Minnesota Plumbing Board, by Kent Erickson, Vice Chair
Date Received:	October 4, 2024
Issue Date:	October 15, 2024

**Question:** For both horizontal to horizontal, and vertical to horizontal runs when long pattern plastic or long sweep for cast iron systems are not made, are short sweep 1/4 bends for cast iron systems, and plastic 1/4 bends considered to be fittings of equivalent sweep?

**Answer:** In drainage systems with piping over 6 inches, a quarter bend long sweep, short sweep, or any fitting listed by the manufacturer as a long pattern or long sweep fitting can be used in horizontal to horizontal or vertical to horizontal installations. Equivalent sweep includes any combination of 45-degree 1/8 bends or 22-degree 1/16th bends.

**Analysis:** Any combination of fittings would include street fittings. In most cases, the call is to require the use of two, 45-degree elbows for a 90-degree change of direction, thinking that the chapter requires a combination Wye and 1/8 bend (or two 45-degree changes) some will also allow the use of "Long sweep or long pattern ¼ bends," but when the manufacturer does not list a product as a long pattern or long sweep fittings over 6 inches, one must revert to the two, 45 interpretation.

**Commentary:** This request for interpretation was received on or about October 4, 2024. It was considered by the Minnesota Plumbing Board on October 15, 2024. All parties had an opportunity to be heard. As required by Minnesota Statutes, section 326B.127, subd. 5, the Minnesota Plumbing Board will consider this final interpretation for adoption as part of the Minnesota Plumbing Code.

Date: October 15, 2024



Kent Erickson, Vice Chair  
Minnesota Plumbing Board