

DATE: January 7, 1994
TO: All Bridge Designers

FROM: A. J. Siccardi

SUBJECT: Technical Memorandum #17
Climbable Wall Rustications

It has come to my attention that the horizontal steps and grooves used on some vertical concrete surfaces are sometimes climbed by young children. While it is not possible or desirable to make these surfaces totally unclimbable, it is desirable that they not be attractive for climbing. This policy shall apply to all vertical and nearly vertical concrete surfaces that are accessible to pedestrians.

Also, in order to reduce the construction labor required to make these rustications, they should be made in dimensions to utilize standard lumber sizes with a minimum number of cuts. In all cases, grooves should have at least one beveled edge to facilitate removal of the lumber strips used to form them. This does not apply to standard prefabricated form liners with vertical flute configurations that have proven to be practical from prior use.

See the attached page for examples of poor details and suggested replacements.

This memorandum shall be in effect until modifications to the CDOT Bridge Design Manual are made to incorporate this issue.

Attachment

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