

Figure 5-397.628

Waterproof Expansion Device Snow Plow Protection (Use On Skews Over 15° And Less Than 50°)

Approved, and signed, September 26, 2003. Last date revised: November 06, 2013

Revised 11-06-2013

At WELDING PROCEDURE FOR PLOW FINGERS:

- Changed note I to read: All welding shall be done with 1/8" diameter low hydrogen SMAW electrodes type E7016 or E7018.
- Added a new note II (expanding the range of existing notes from Roman Numerals I to V) new note reads: "Prior to welding, remove the galvanized coating in the weld area by grinding."
- Changed note III to read: Weld pass one in areas A and B first, then area C, follow with passes two and three in same order, as shown in Detail "B".

Revised 05-24-2011

Under GENERAL NOTES:

Removed: Numbered note © "Add backing bar as required: 1/2" min. thickness 1 1/2" deep."

At WELDING PROCEDURE FOR PLOW FINGERS:

- Removed: Lettered note "E." "Repair all galvanizing damaged by removal and welding, in accordance with Mn/DOT spec.2471.3L." Also changed the lettered notes A, B, C, and D to roman numerals I, II, III, and IV.

At PLAN VIEW AT EXPANSION DEVICE:

- Changed the note from: "Railing face and slope break line" to "Barrier face and slope break line"
- Added: L 2 1/2" x 2 1/2" x 1/4" under each snow plow finger plate at the traffic approach side of the expansion device.

At SECTION A-A:

- Changed: The expansion device look (extrusion and gland) to the more commonly used type of device.
- Added: L 2 1/2" x 2 1/2" x 1/4" under the plow finger at the traffic approach side of the expansion device with welding information.
- Changed: The length of the plow finger plate, to extend 1 1/2" onto the L 2 1/2" x 2 1/2" x 1/4 on the traffic approach side of the expansion device.
- Added: 1" dimension from the plow finger plate to the end of the L 2 1/2" x 2 1/2" x 1/4 .
- Removed note: "See detail "C" if top flat portion for return weld is less than 5/8" ©"

At DETAIL "A":

- Removed: The 3/8" dimension showing the end of the plow finger plate to the edge of the extrusion.
- Added: L 2 1/2" x 2 1/2" x 1/4" under the plow finger plate at the traffic approach side of the expansion device with welding information.
- Added: A 1" dimension from the snow plow finger plate to the end of the L 2 1/2" x 2 1/2" x 1/4 .
- Added: A 5" dimension showing the length needed for the L 2 1/2" x 2 1/2" x 1/4 .
- Moved: Section arrows for Section B-B out to give a better view of the plate and angle shape. Also added arrows C-C to show the traffic approach side of the plate and angle shape.

At DETAIL "B":

- Removed: Numbered note © from the detail.
- Added: L 2 1/2" x 2 1/2" x 1/4" under the plow finger plate at the traffic approach side of the expansion device. Also added the 1" dimension from the plow finger plate to the end of the L 2 1/2" x 2 1/2" x 1/4 .

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- Changed: The length of the plow finger plate, to extend 1½” onto the L 2 ½” x 2 ½” x ¼ on the traffic approach side of the expansion device. Also lengthened the Return Weld Length to 2” min. to accommodate the length of the plow finger plate.
- Changed the section arrows from C-C to D-D.

Changed the name “SECTION C-C” to “SECTION D-D”

Changed the name of “SECTION B-B” to “VIEW B-B”

Added “VIEW C-C” to the sheet showing the plow finger plate and the angle shape from the traffic approach side.

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