

Figure 5-397.627(A)

Waterproof Expansion Device (With Type F Barrier)

Approved and signed, August 24, 2016. Last date revised: January 5, 2017

Revised 01-05-2017

At SECTION B-B:

- Added Designer note: “On joint replacement projects omit elevations”
- Changed all the X’s to underbars for the elevation and abutment “fill in” locations.

Approved 08-24-2016

GENERAL - Throughout the Standard:

- Sheet number changed from 5-397.627 to 5-397.627(A) to accommodate the addition of a Type S Barrier (Fig. 5-397.627(B)).
- Removed the bituminous felt from the underside of the barrier plate and the accompanying note.

At SECTION THROUGH BARRIER:

- Labeled top of extrusion and added note ⑦.
- Added "*" and clarifying note "* Top of Block Out".

At BARRIER ELEVATION:

- Removed bituminous felt.
- Added note ⑧ (2 locations).

At GENERAL NOTES:

- Updated all notes to use active voice.
- Added note "Payment length is based on the horizontal distance between the outside edges of the deck measured along the centerline of joint."
- Updated "Designer Note" to include both notes ② and ③.
- Removed note ⑦.
- Added new note ⑦, ⑧, and ⑨.

At PLAN VIEW @ EXPANSION DEVICE:

- Added note ⑩.

At SECTION B-B:

- Added note ⑦ (at 2 locations).

Revised 09-11-2014

Under GENERAL NOTES:

- Changed the 5th note *From:* ¾" DIA. X ½" flathead cap screw.... *To:* ¾" DIA. X 1½" flathead cap screw....
- Changed the 6th note *From:* Length of payment for device is from out to out of extrusion along centerline of joint. *To:* Length of payment for device is from outer end to outer end of extrusion along centerline of joint. Refer to special provisions for more specific payment information.

Revised 11-06-2013

Under GENERAL NOTES:

- Changed numbered note ② to read: __At 45°F; __AT 90°F. 2" At All Temps.
- Added a designer note in front of numbered note ② for the designer to “Choose One Joint Opening Note And Delete Other”.
- At numbered note ⑤: Removed the sheet “1” reference and left the sheet no. “blank” to be filled in.

Revised 05-24-2012

Changed all instances of Railing *to* Barrier.

At BARRIER ELEVATION:

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REVISION LOG for Figure 5-397.627(A)

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- Changed note to read: 1" Dia. X 6" Long Slotted Hole For ¾ " Dia. X 1 ½ " Flathead Cap Screw With ½ " Square Or Hex Socket. Apply Bridge Bearing Lubricant Per MnDot Approved Products List To Screw Threads.
- Changed note to read: ¾ " Dia. X 1 ½ " Flathead Cap Screw With ½ " Square Or Hex Socket. Apply Bridge Bearing Lubricant Per MnDot Approved Products List To Screw Threads.
- Added note: 2" Long Hex Coupling Nut And ¾ " Dia. X 4" Bolt. Do Not Tighten Down Cap Screw. See Detail "A".

At DETAIL "A":

- Removed following note from detail: "After Assembly, Field Weld Lugs....."
- Changed the look of the cap screw from a slotted type to a hex head type.
- Added note: ¾ " Dia. X 1 ½ " Flathead Cap Screw With ½ " Square Or Hex Socket. Apply Bridge Bearing Lubricant Per MnDot Approved Products List To Screw Threads.

Under GENERAL NOTES:

- Changed all instances of Mn/Dot Spec. to Spec.
- Added note: ¾ " Dia. X ½ " Flathead Cap Screw With ½ " Square Or Hex Socket Per Spec 3391. Cap Screws Shall Be Countersunk 1/16" Below Top Of Plate. Apply Bridge Bearing Lubricant Per MnDot Approved Products List To Screw Threads

Revised 02-23-2011

Under GENERAL NOTES:

- Added - Ⓣ Use The Largest Single Piece Possible. Use Of Small Pieces Or Scraps Secured Together Is Prohibited.

At RAILING ELEVATION:

- Added numbered note Ⓣ to the note ½" Bit. Felt Or Equal

At Detail "A":

- Added numbered note Ⓣ to the note ½" Bit. Felt Or Equal

Approved, and signed, November 6, 1995.