

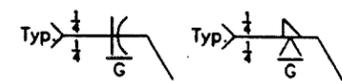
Revision Dates  
(Preliminary Stage Only)

Design  
Designed By: JMD  
Checked By: MAH  
DATE: 10-00

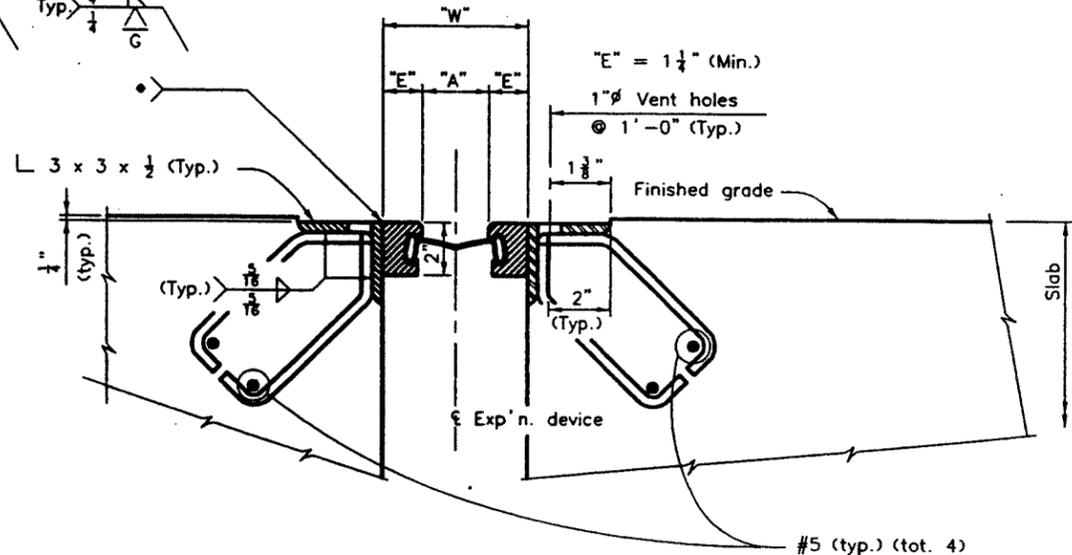
Detail  
Detailed By: RFH  
Checked By: JMD  
DATE: 10-00

Quantities By: JMD  
Checked By: MAH  
DATE: 3-01

• Acceptable welds

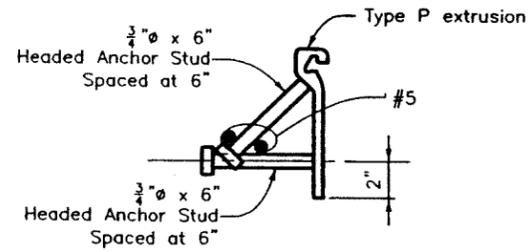


Note:  
L 3 x 3 x 1/2 to extend gutter to gutter only.

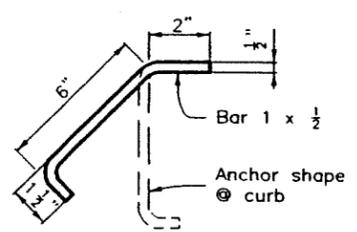


**SECTION THRU STRIP SEAL BRIDGE EXPANSION DEVICE**

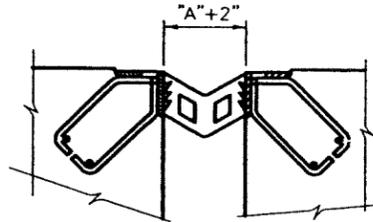
Section taken perpendicular to  $\xi$  exp'n device.  
For reinforcing details see Dwg. No. B\_.



**TYPE P DETAIL**



**TYPICAL ANCHOR DETAIL**



**SECTION THRU HYDROZO EXPANSION DEVICE**

(Similar to Strip Seal except as shown.)  
A + 2 = 4" @ 40°F

**NOTES:**

The expansion device shall be installed on grade, parallel to the slope and grade of the deck.

After the concrete has attained initial set, the attachments used to hold the expansion device assembly in it's proper position shall be removed.

Do not paint steel surfaces in contact with either concrete or seal.

"W" and "E" dimensions are dependent upon the particular expansion device supplied, and shall be shown on the working drawings.

The working drawings shall indicate the "W" and "A" dimensions at a range of temperatures from 30° F to 100° F assuming a midpoint temperature of 40° F.

For joints at the ends of approach slabs:  
For new prestressed and post-tensioned bridges without a joint at the abutments "A"=1". For all other bridges "A"=2".

Opening in the curb to be constructed to the exact width of the existing deck opening.

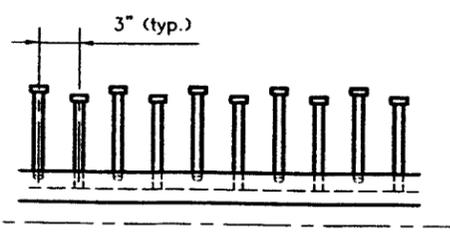
The neoprene extrusion shall be one piece.

Vent holes shall not be used for support bolts.  
See Special Provisions for epoxy grouting of ventholes.

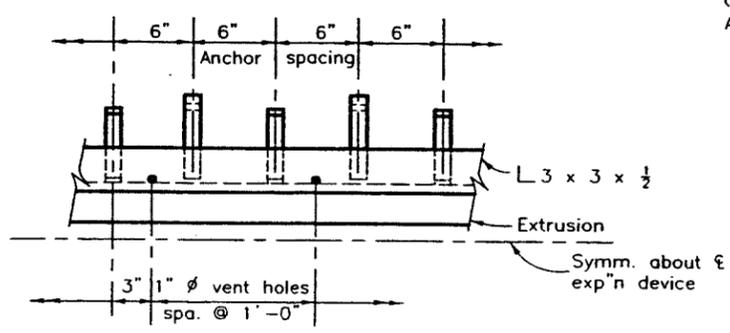
**ACCEPTABLE EXPANSION DEVICE ALTERNATES**

D.S. BROWN A2400-SSA2  
EPOXY IND. S400-A  
HYDROZO/JEENE 4" W  
ONFLEX 40SEQ-AM2  
WABO SE400 Type A  
WABO SE400 Type P

Str. Temp	"A"	"A"
30° F		
40° F		
50° F		
60° F		
70° F		
80° F		
90° F		
100° F		



**PLAN ALTERNATE STEEL EDGE BEAM**



**ANCHOR AND VENT HOLE SPACING**

Computer File Information		Sheet Revisions		Colorado Department of Transportation		As Constructed		BRIDGE EXPANSION DEVICE (0-4 INCH)		Project No./Code	
Creation Date:	10-10-00	Initials:	RFH	4201 East Arkansas Avenue, Room 330 Denver, Colorado 80222-3400 Phone: 303-757-9352 FAX: 303-757-9197		No Revisions: 7/3/2003 Revised: _____ Void: _____		Designer: John Detand Detailer: R. Hooker Sheet Subset: Bridge		Structure: J-18-0 Subsets: B 26 of Sheet Number 56	
Last Modification Date:	03-29-01	Initials:	RFH								
Full Path:	F:\project\00140\BRIDGE\PLANS										
Drawing File Name:	B5181										
Acad Ver.	R14.01	Scale:	Units:	English	Staff Bridge Branch						