

Figure 8-85. PCCV Liner Model, Liner Seam Rat-Hole Study Case 6c, Stress Contour, Vertical and Horizontal Back-Up Bars, No Horizontal Gap, Similar to Case 4b, No Thinning in Gap Region

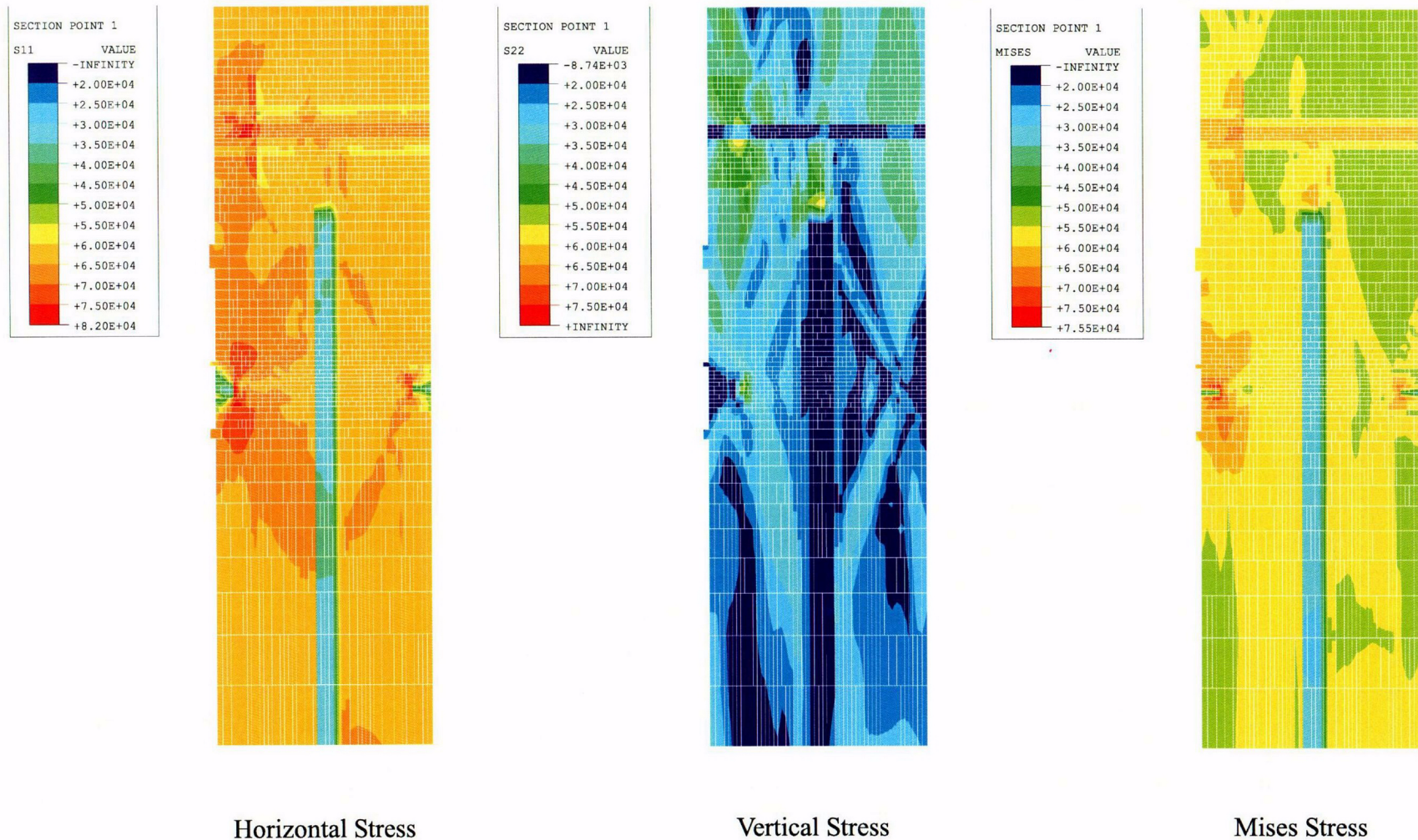


Figure 8-86. PCCV Liner Model, Liner Seam Rat-Hole Study Case 7c, Stress Contour, Vertical and Horizontal Back-Up Bars, No Horizontal Gap, Similar to Case 4b, Thinning in Gap Region (Stresses in psi; Multiply by 0.00690 for MPa)

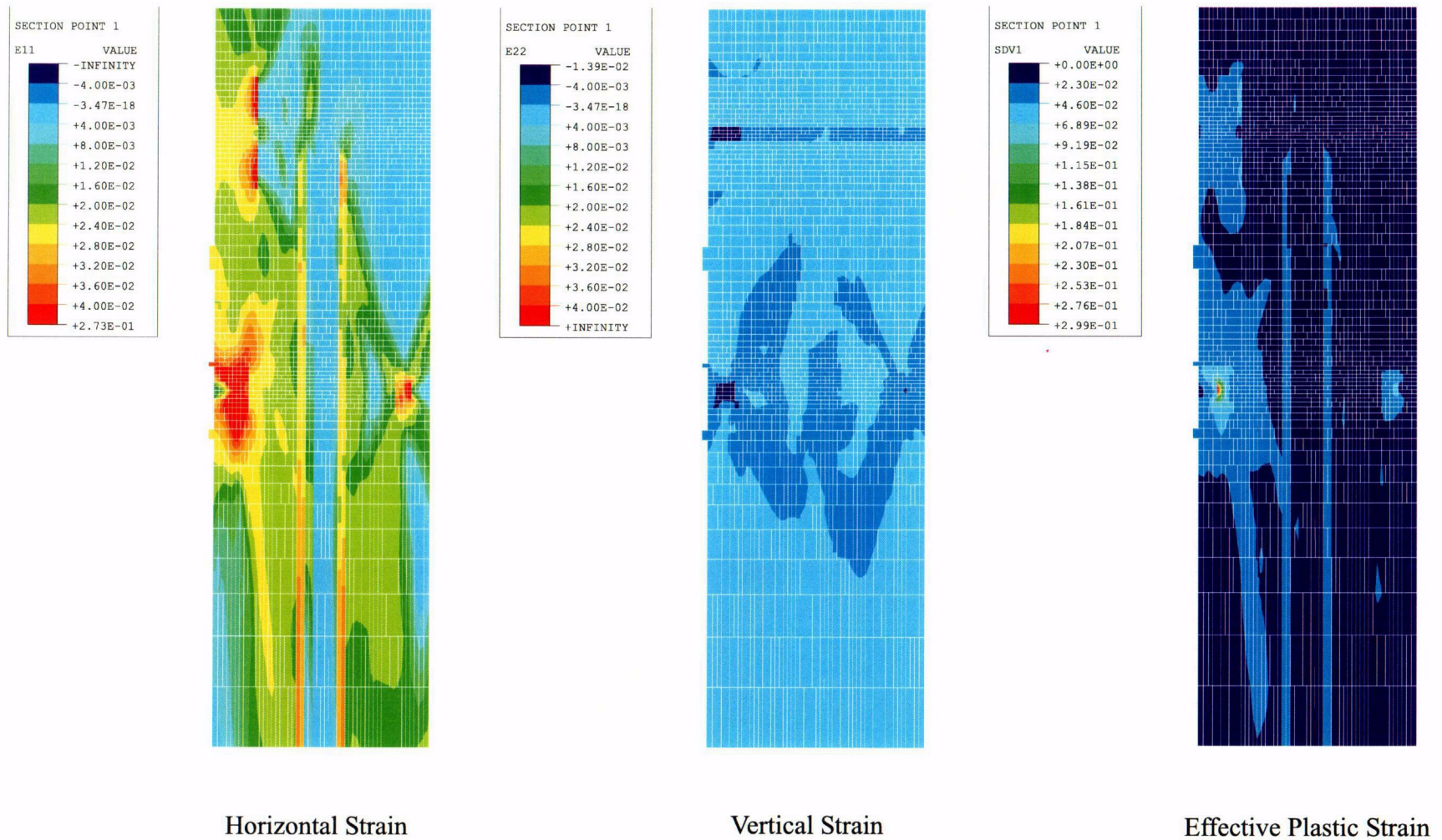


Figure 8-87. PCCV Liner Model, Liner Seam Rat-Hole Study Case 7c, Stress Contour, Vertical and Horizontal Back-Up Bars, No Horizontal Gap, Similar to Case 4b, Thinning in Gap Region

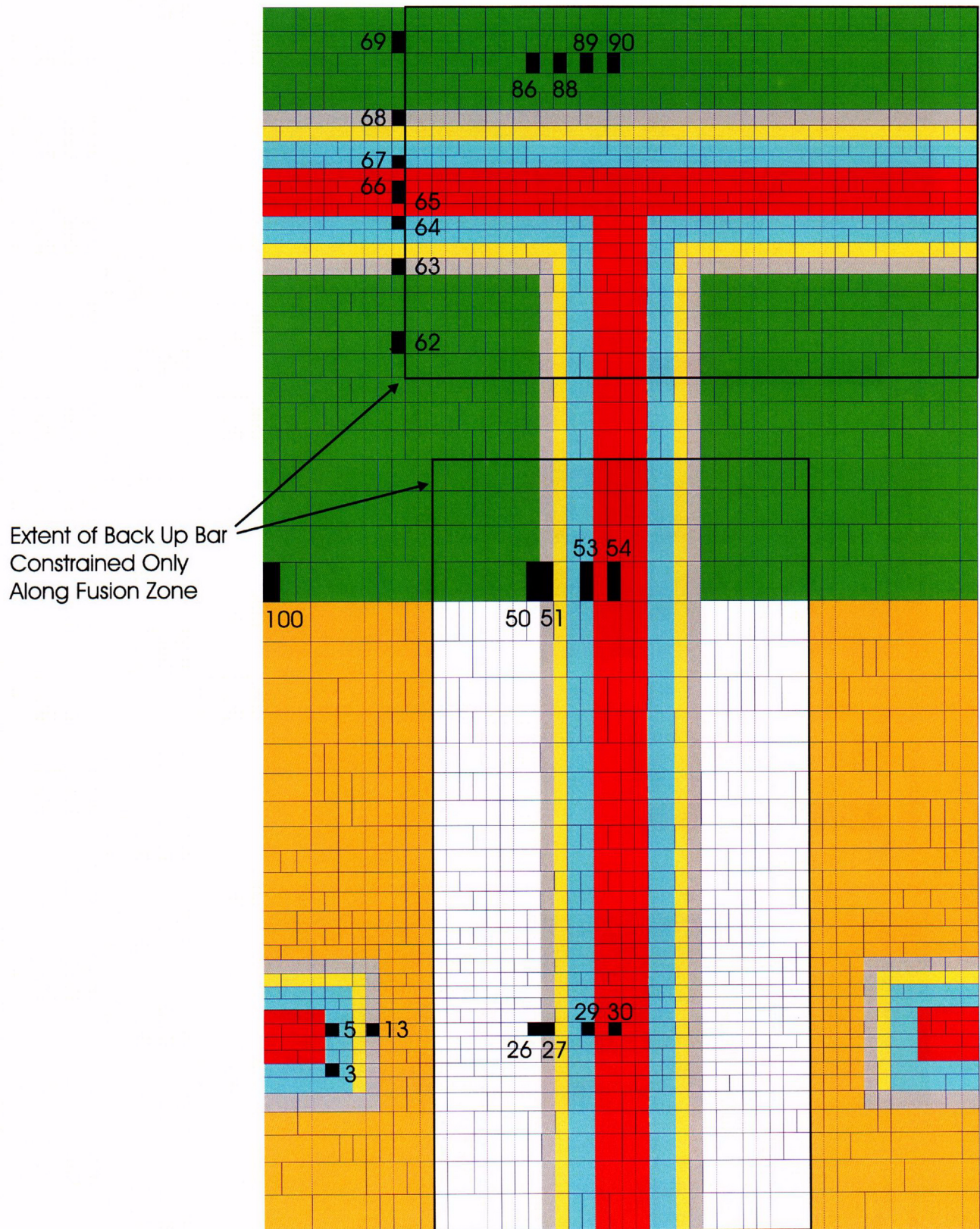


Figure 8-88. PCCV Liner Weld/Rat-Hole Study; Locations of Strain Profile Comparisons

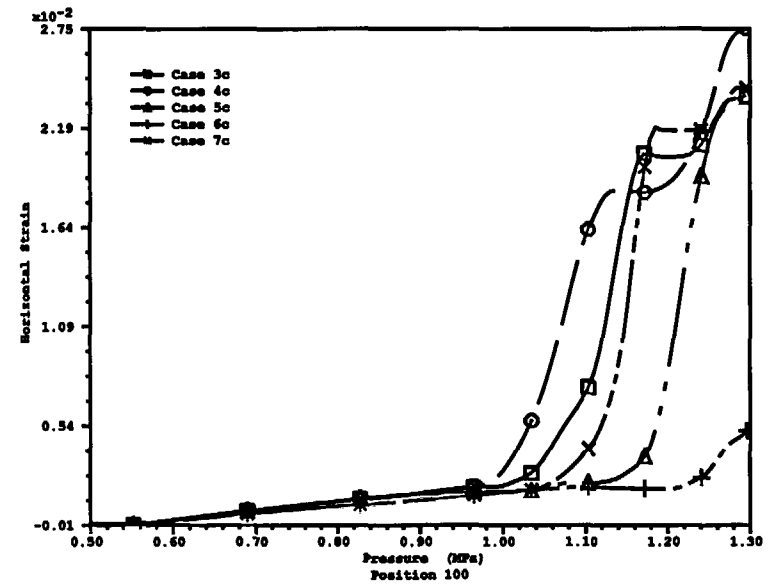
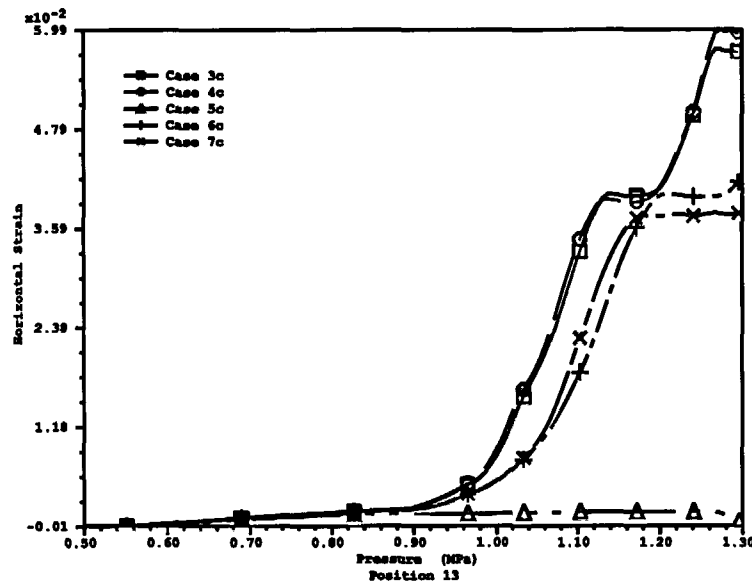
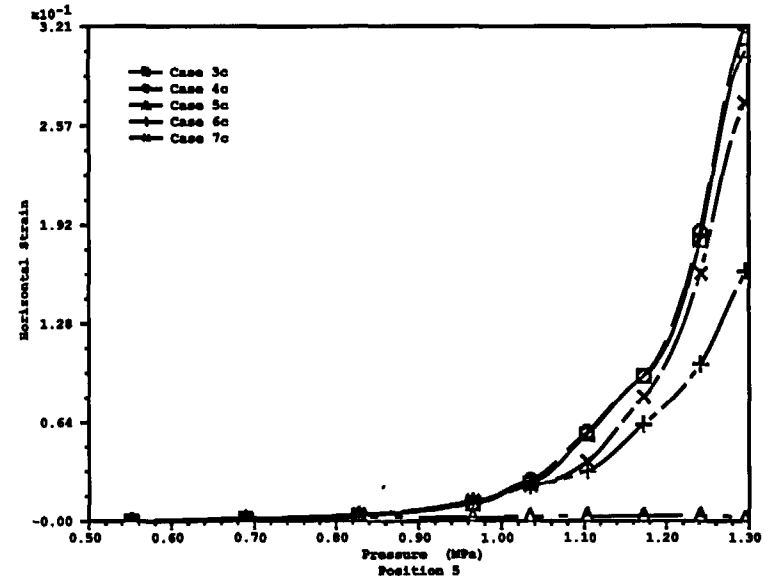
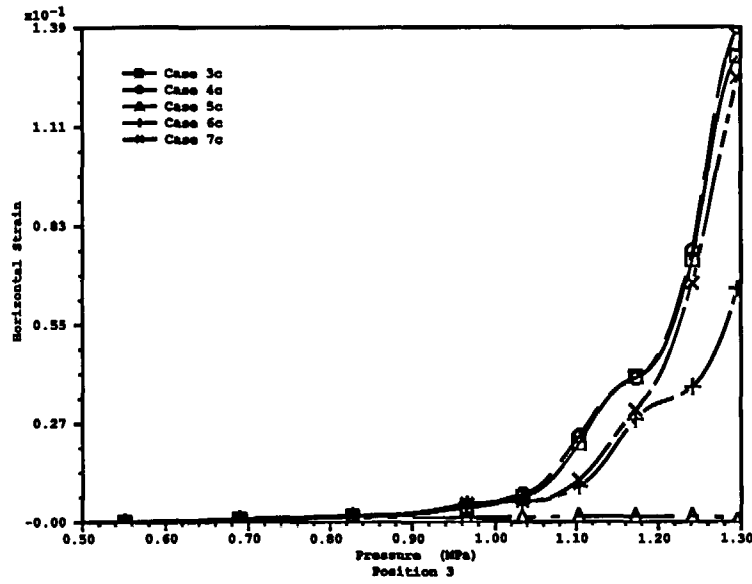


Figure 8-89. PCCV Liner Weld/Rat-Hole Study; Horizontal Strain Comparisons

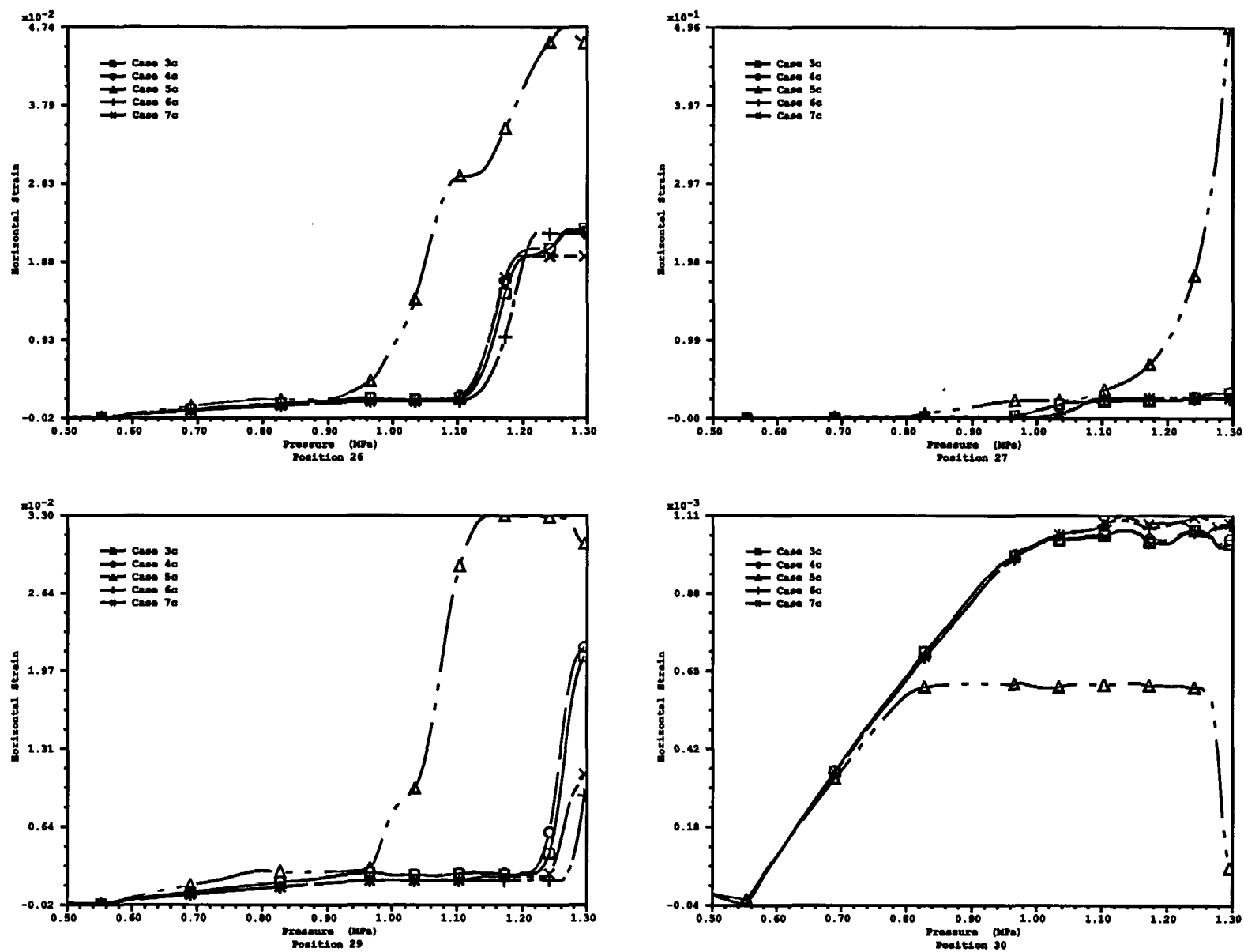


Figure 8-90. PCCV Liner Weld/Rat-Hole Study; Horizontal Strain Comparisons

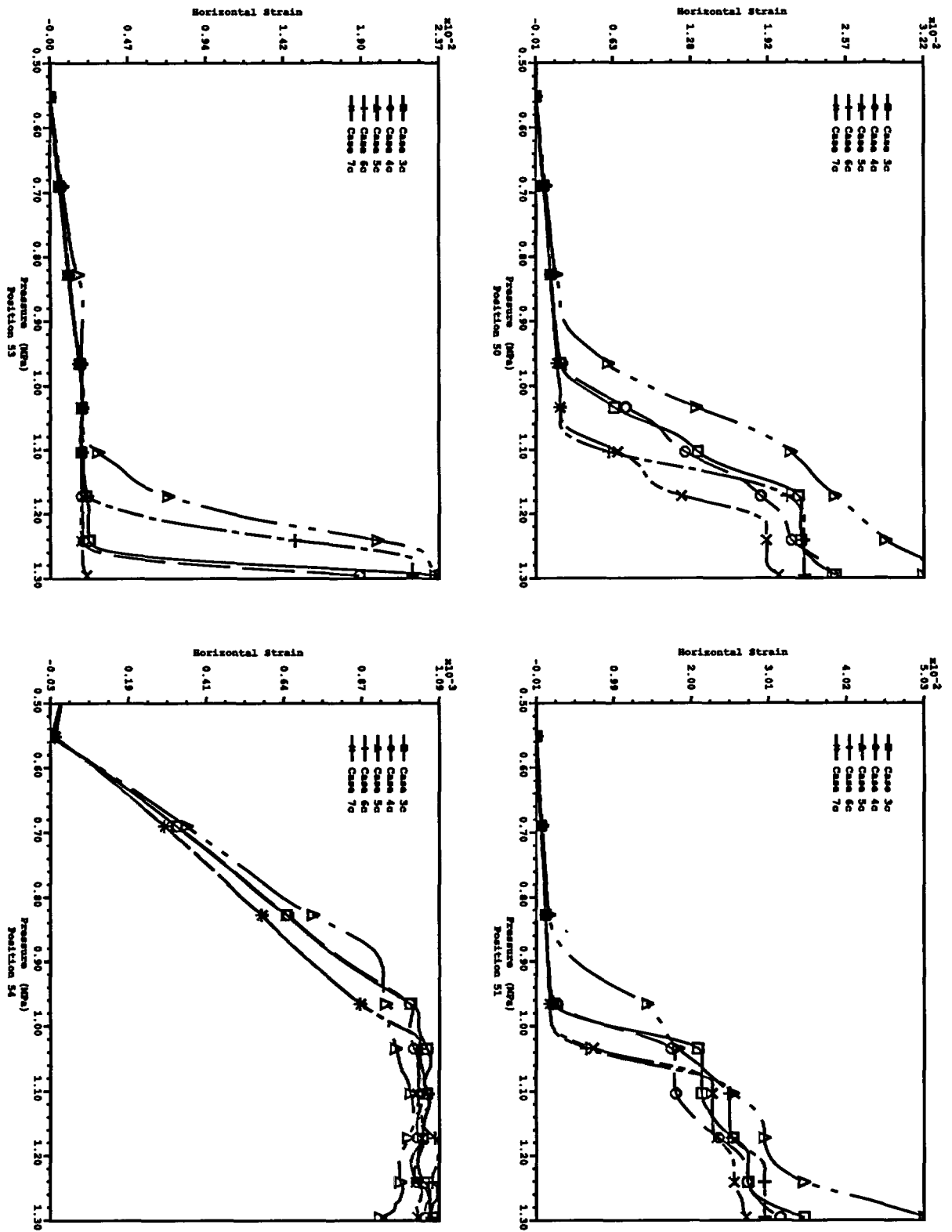


Figure 8-91. PCCV Liner Weld/Rat-Hole Study; Horizontal Strain Comparisons

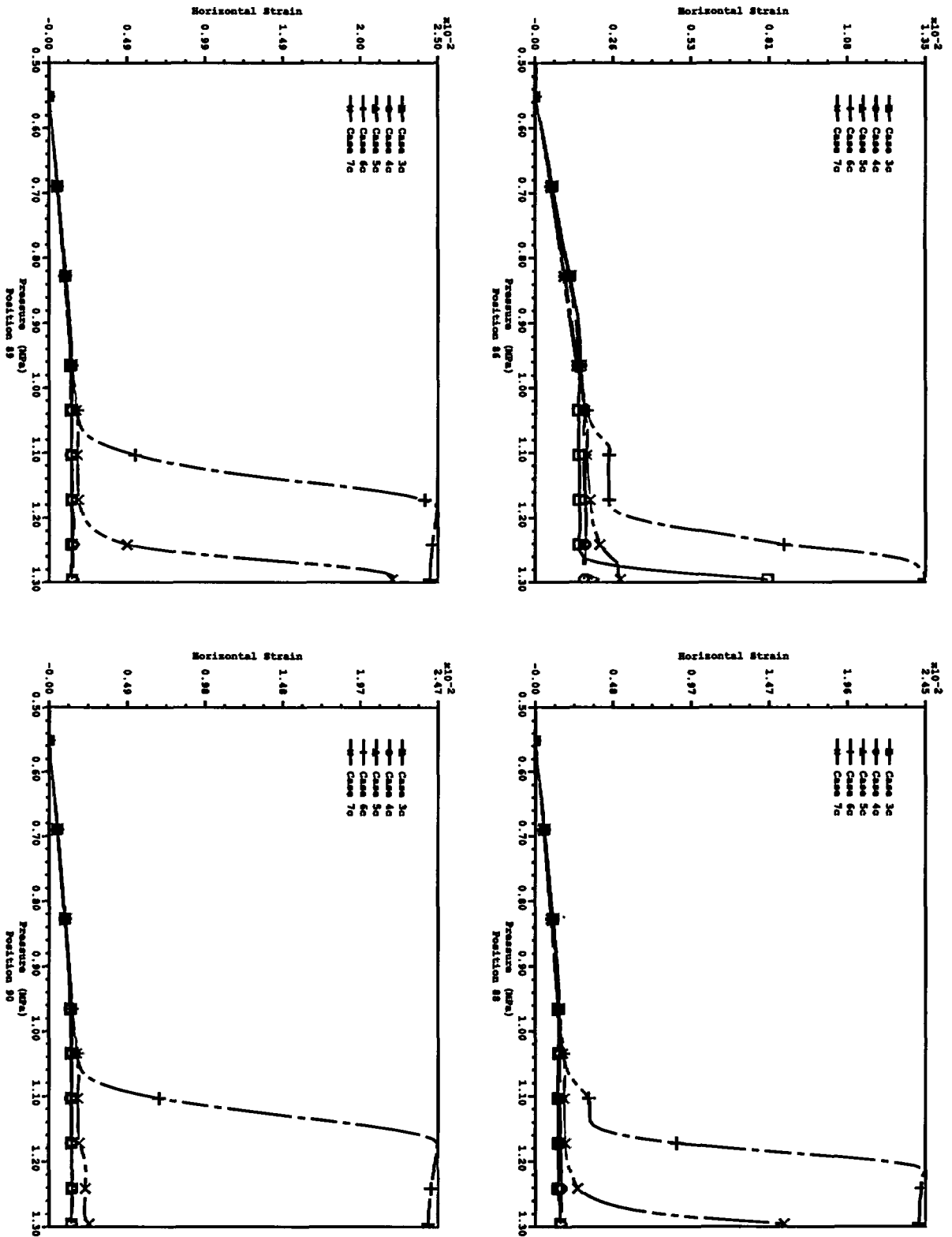


Figure 8-92. PCCV Liner Weld/Rat-Hole Study; Horizontal Strain Comparisons

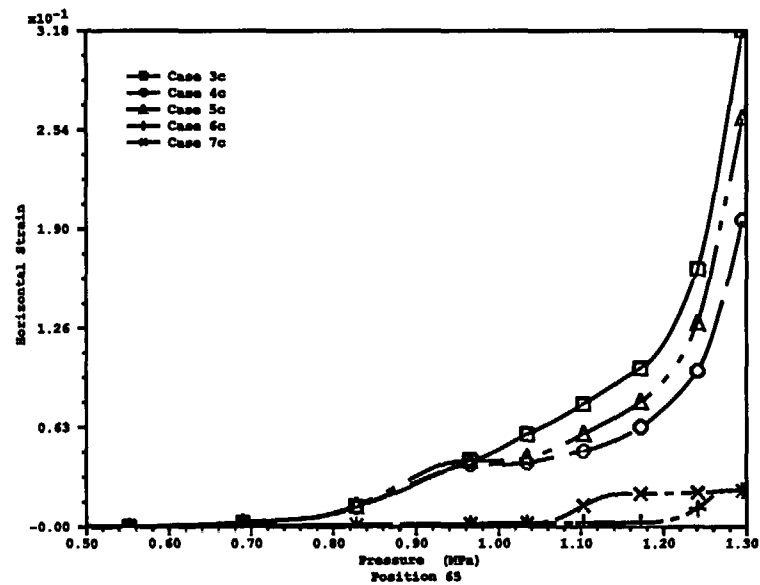
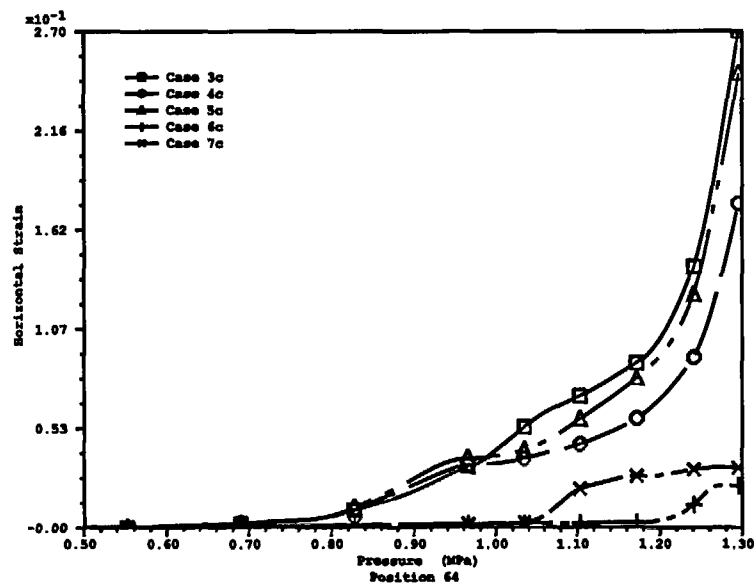
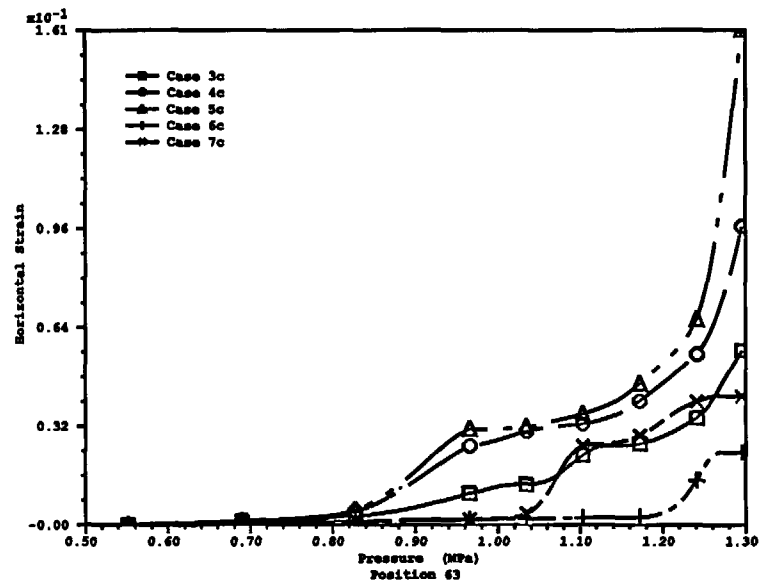
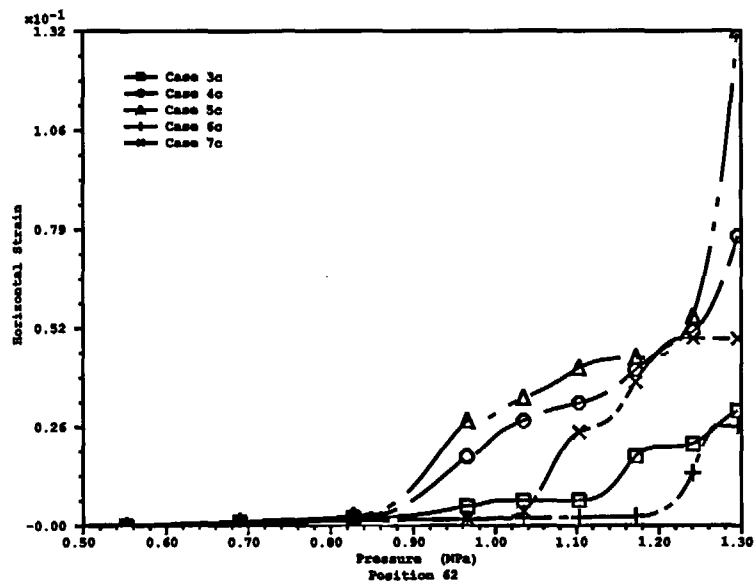


Figure 8-93. PCCV Liner Weld/Rat-Hole Study; Horizontal Strain Comparisons

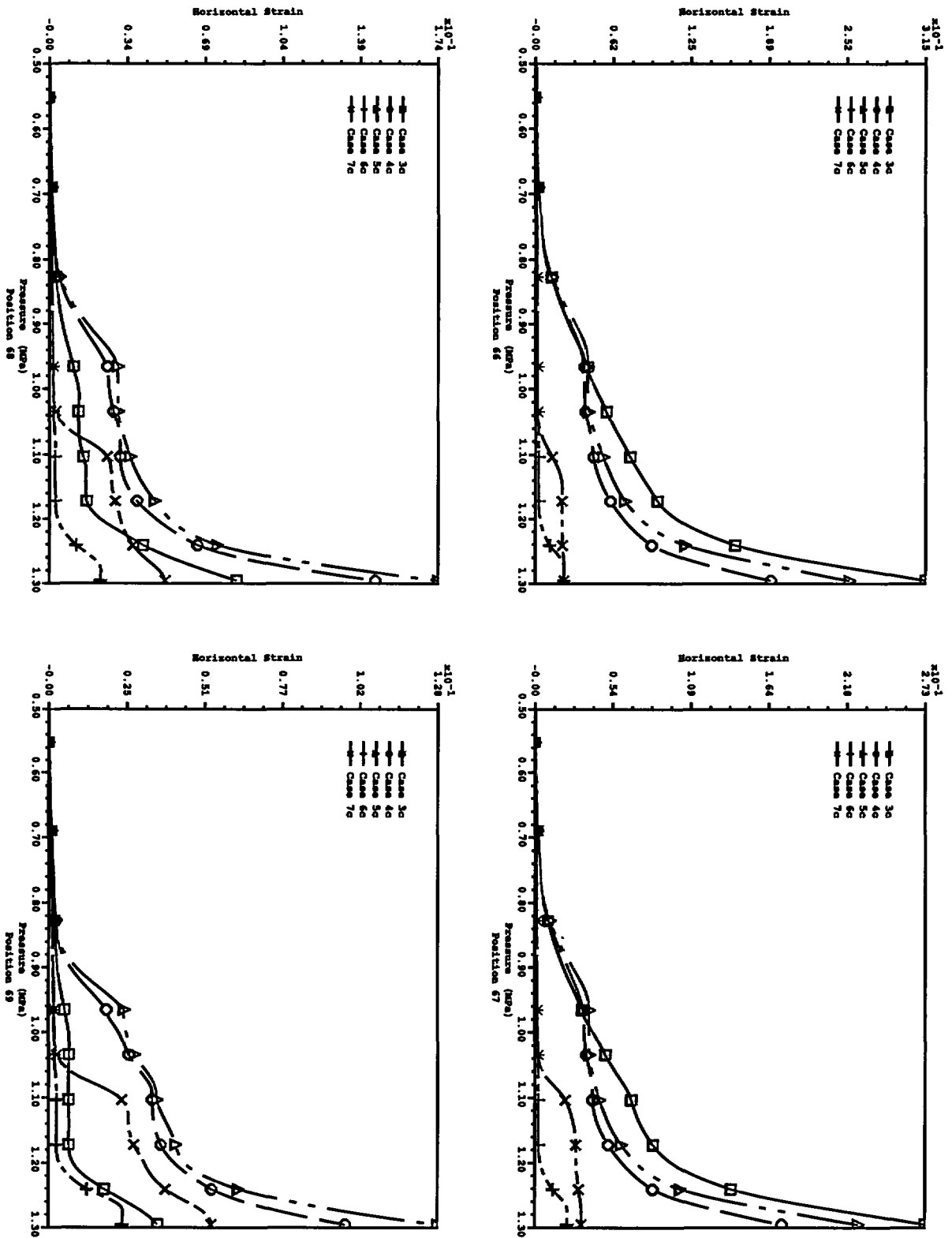


Figure 8-94. PCCV Liner Weld/Rat-Hole Study; Horizontal Strain Comparisons

**Additional Strain Gages
Near Buttress**

	Gage ID	Azimuth (°)	Elevation (m)
①	LSI-C-J5-05	271.9	4.750
②	LSI-C-J5-06	271.9	4.700
③	LSI-C-J5-07	274	4.750
④	LSI-C-J5-08	276	4.750
⑤	LSI-C-J5-09	278	4.750
⑥	LSI-C-J5-10	280	4.750

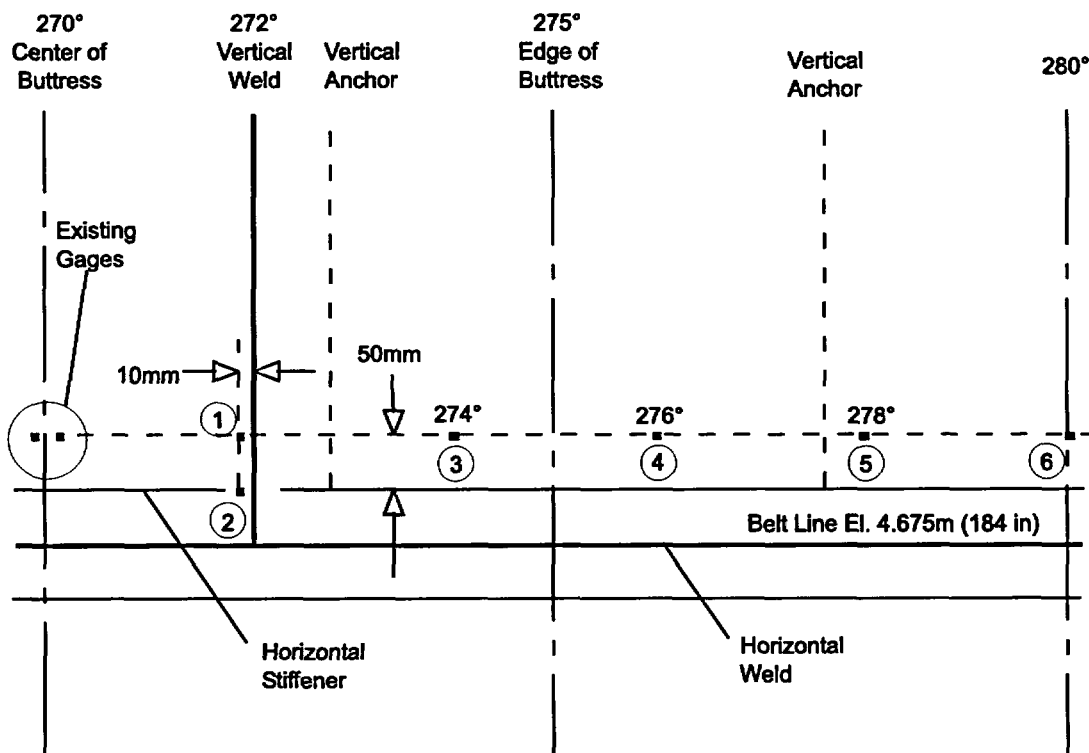


Figure 8-95. Locations of Liner Strain Gages at "J5"

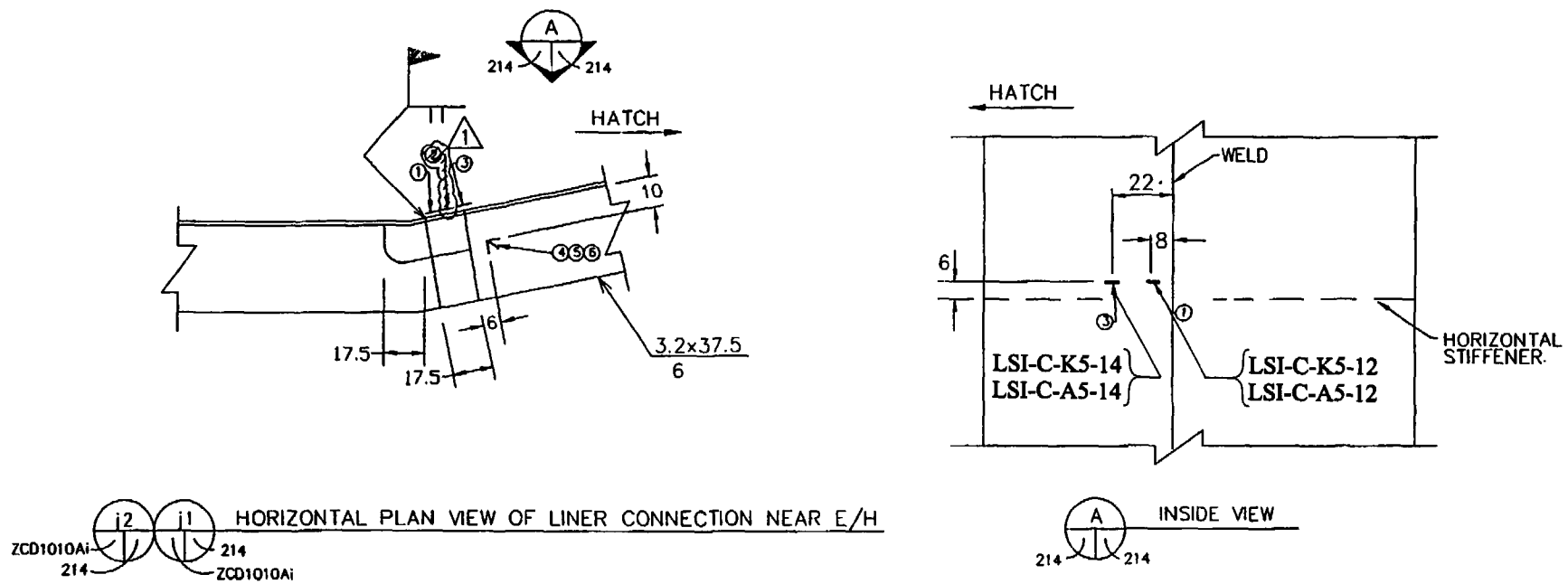


Figure 8-96. Locations of Liner Strain Gages at "KS" and "AS"
(Dimensions in mm)

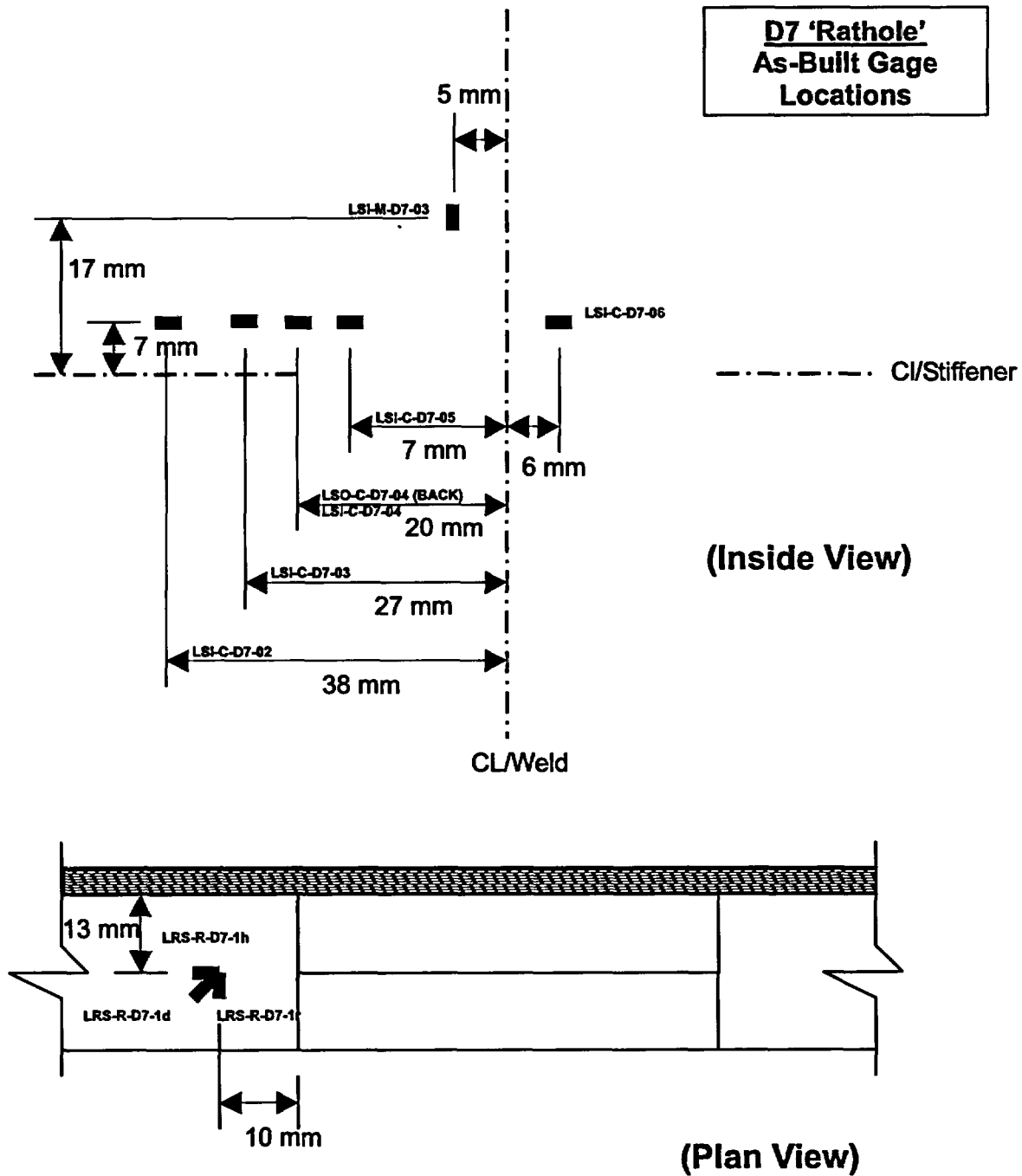


Figure 8-97. Locations of Liner Strain Gages at "D7"

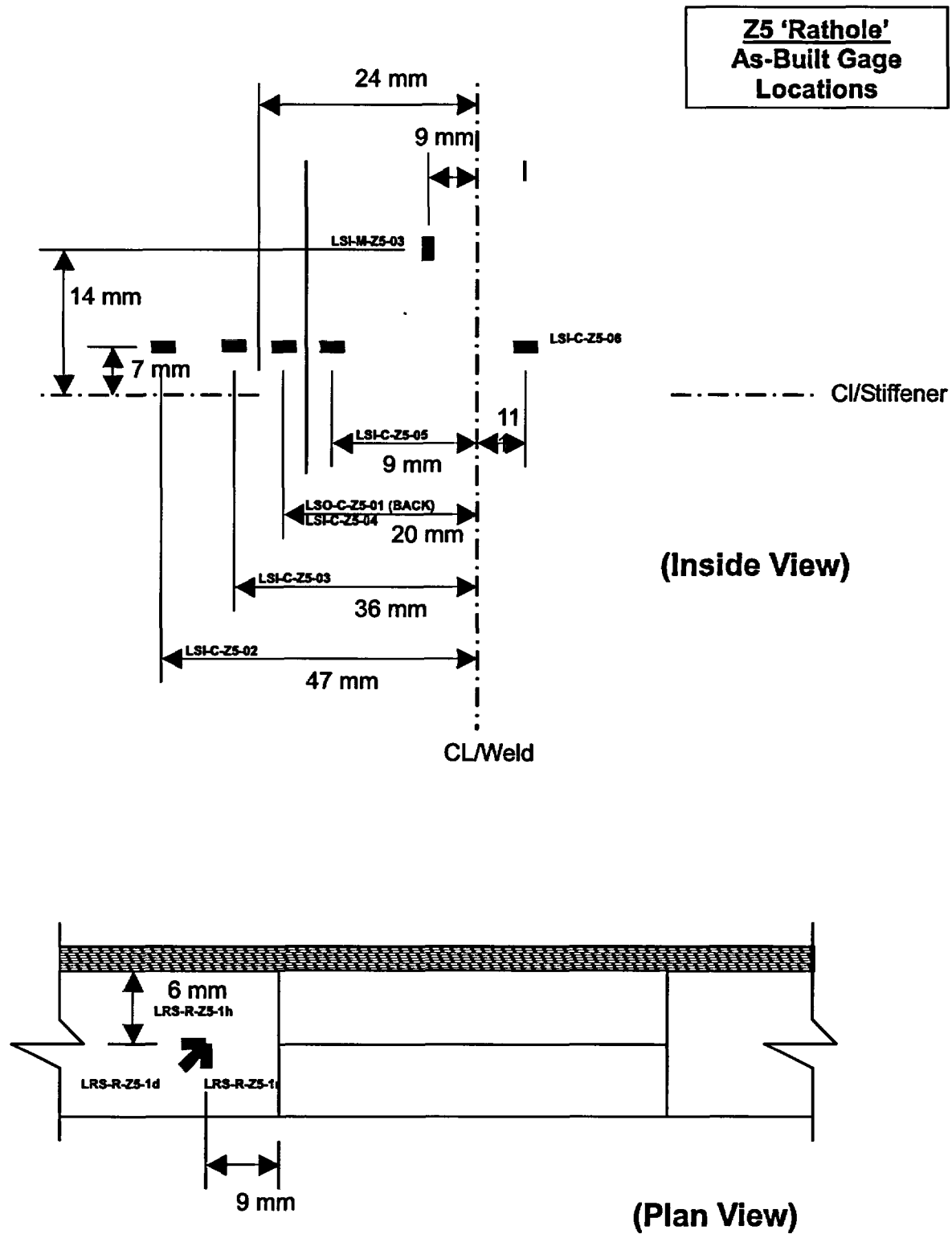


Figure 8-98. Locations of Liner Strain Gages at "Z5"

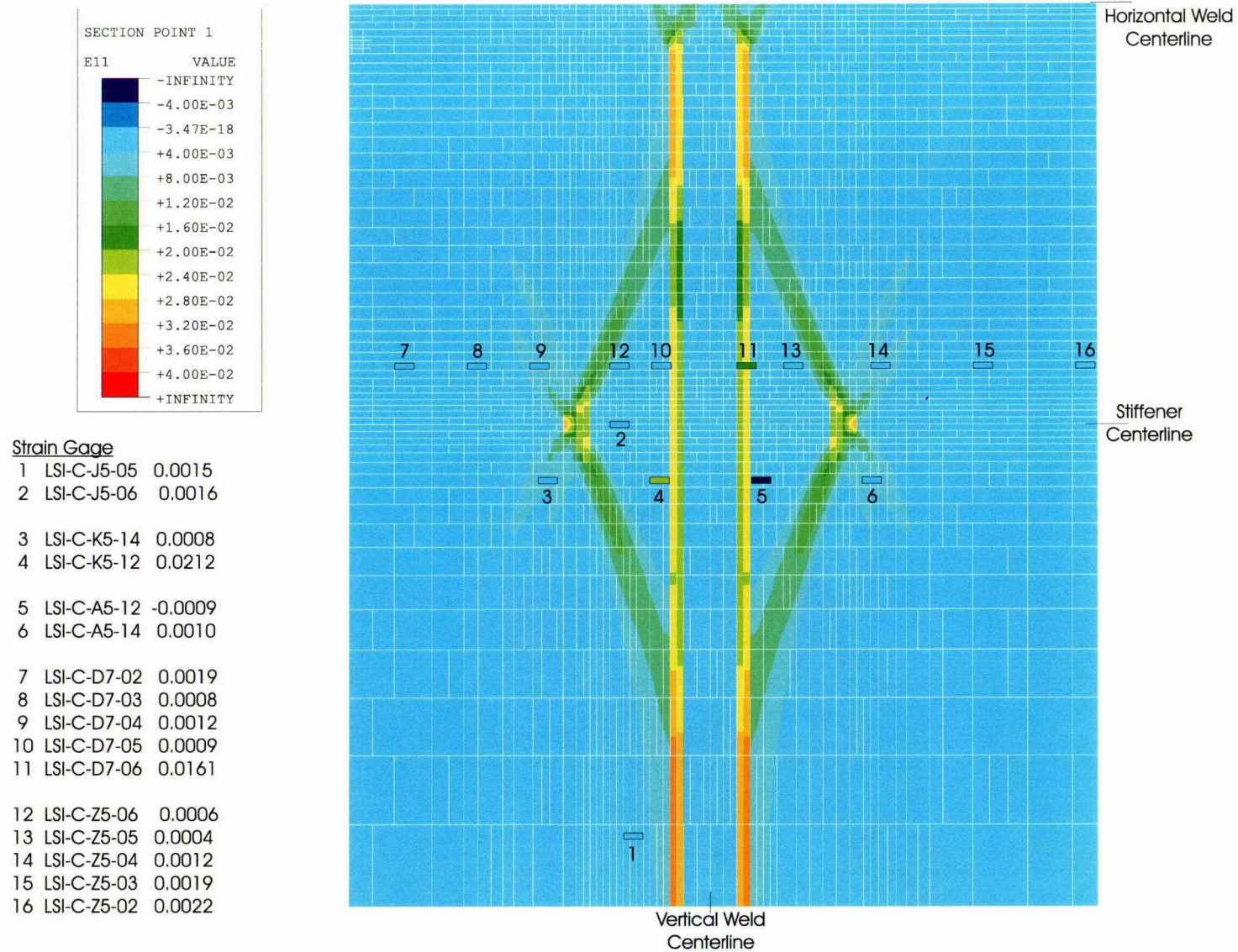


Figure 8-99. PCCV Liner Seam Rat-Hole Study, Horizontal Strain Contour, Case 4, LST Strain Gage Data Superimposed at 2.8 Pd

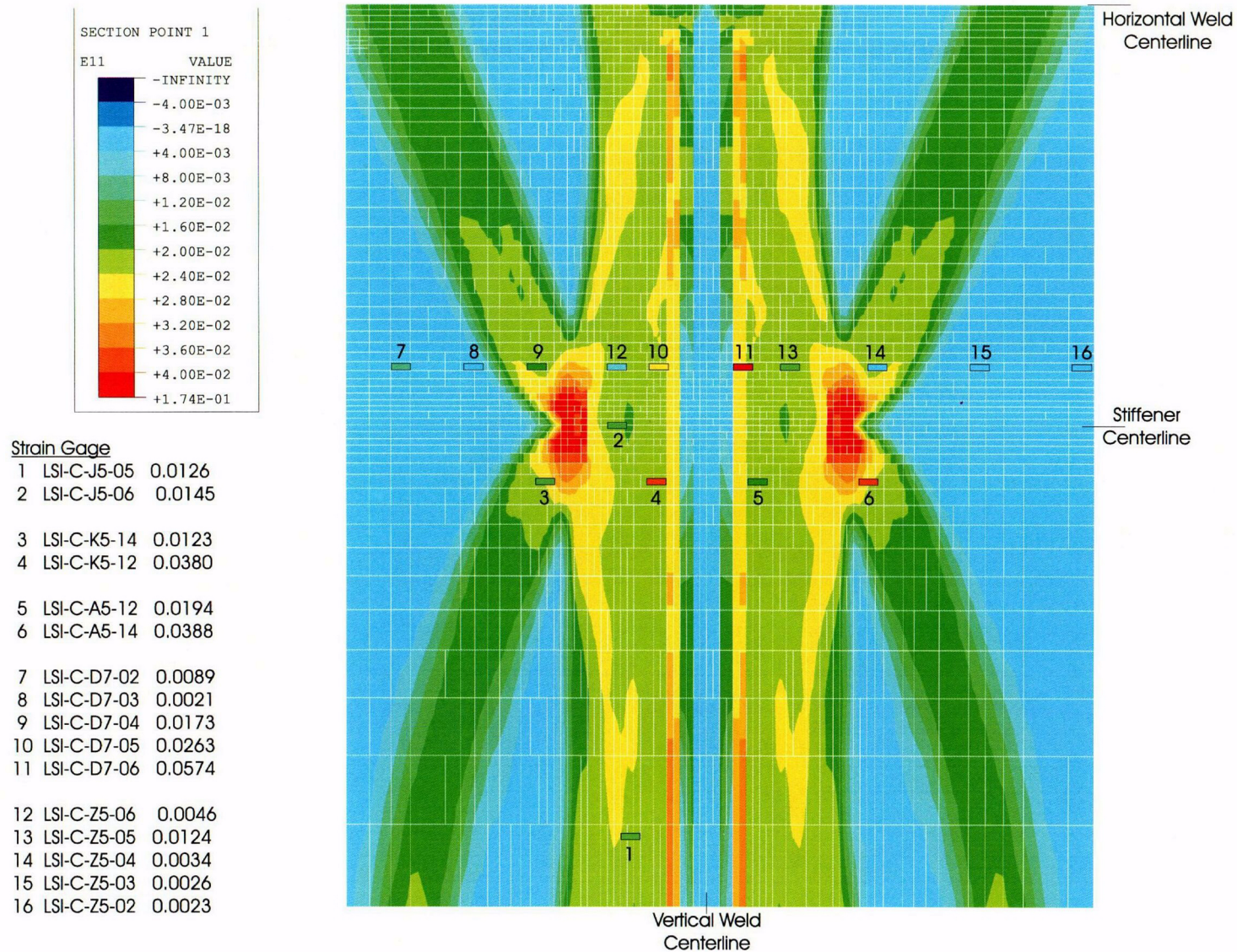


Figure 8-100. PCCV Liner Seam Rat-Hole Study, Horizontal Strain Contour, Case 4, LST Strain Gage Data Superimposed at 3.3 Pd

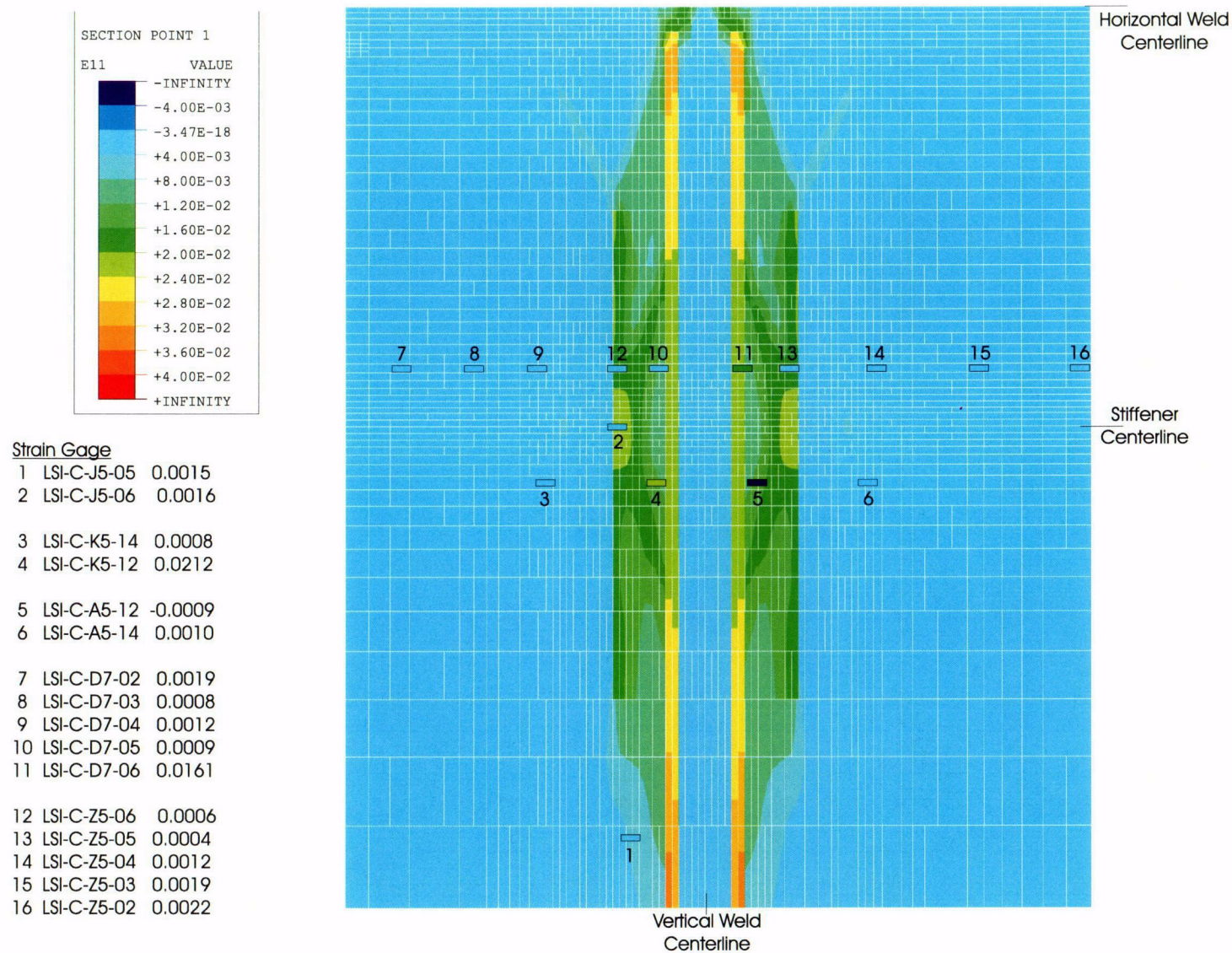
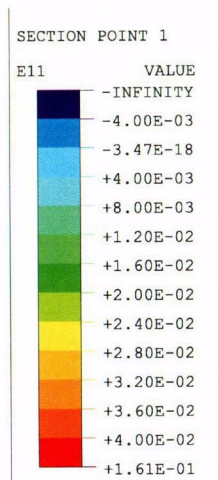


Figure 8-101. PCCV Liner Seam Rat-Hole Study, Horizontal Strain Contour, Case 6,
LST Strain Gage Data Superimposed at 2.8 Pd



Strain Gage

1	LSI-C-J5-05	0.0126
2	LSI-C-J5-06	0.0145
3	LSI-C-K5-14	0.0123
4	LSI-C-K5-12	0.0380
5	LSI-C-A5-12	0.0194
6	LSI-C-A5-14	0.0388
7	LSI-C-D7-02	0.0089
8	LSI-C-D7-03	0.0021
9	LSI-C-D7-04	0.0173
10	LSI-C-D7-05	0.0263
11	LSI-C-D7-06	0.0574
12	LSI-C-Z5-06	0.0046
13	LSI-C-Z5-05	0.0124
14	LSI-C-Z5-04	0.0034
15	LSI-C-Z5-03	0.0026
16	LSI-C-Z5-02	0.0023

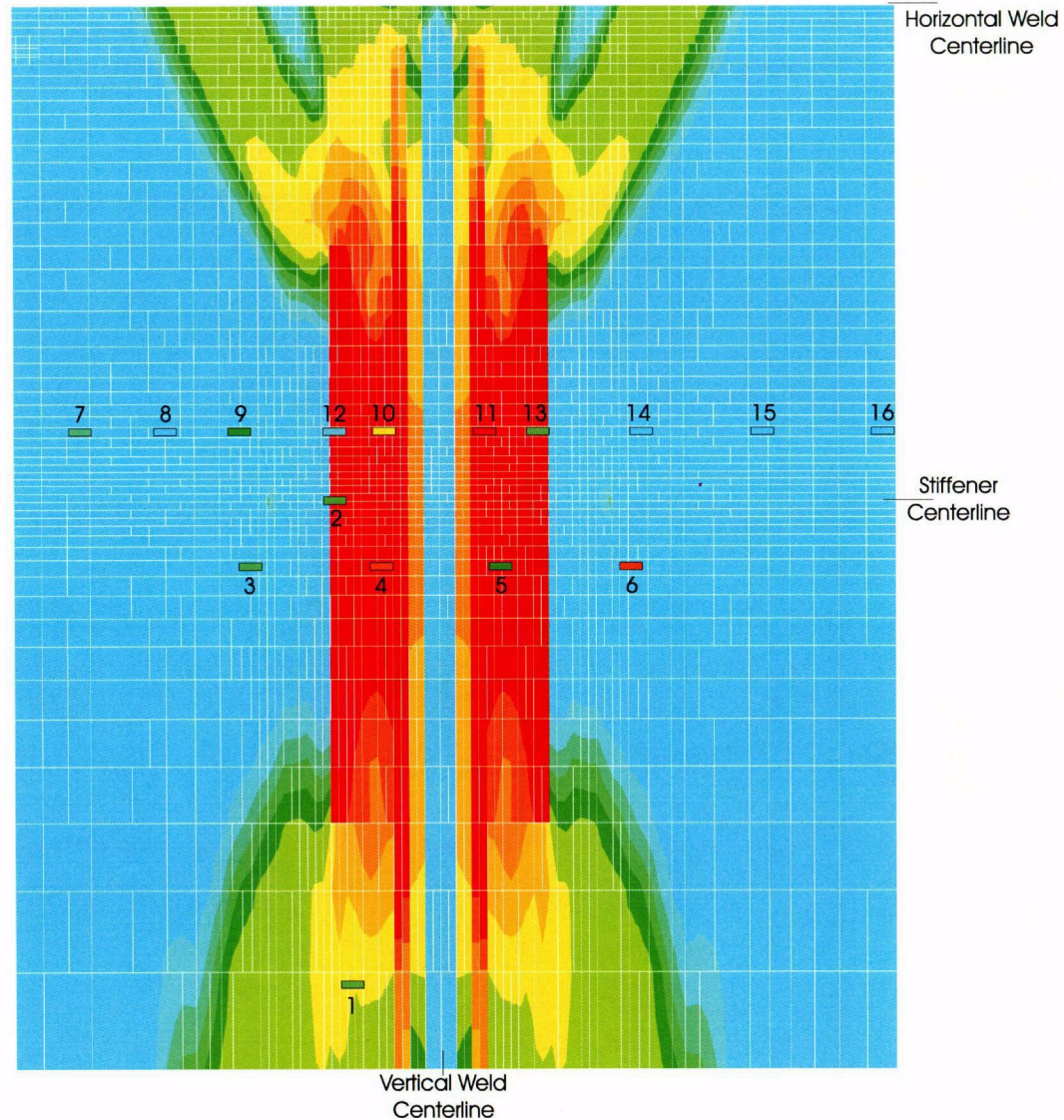


Figure 8-102. PCCV Liner Seam Rat-Hole Study, Horizontal Strain Contour, Case 6, LST Strain Gage Data Superimposed at 3.3 Pd

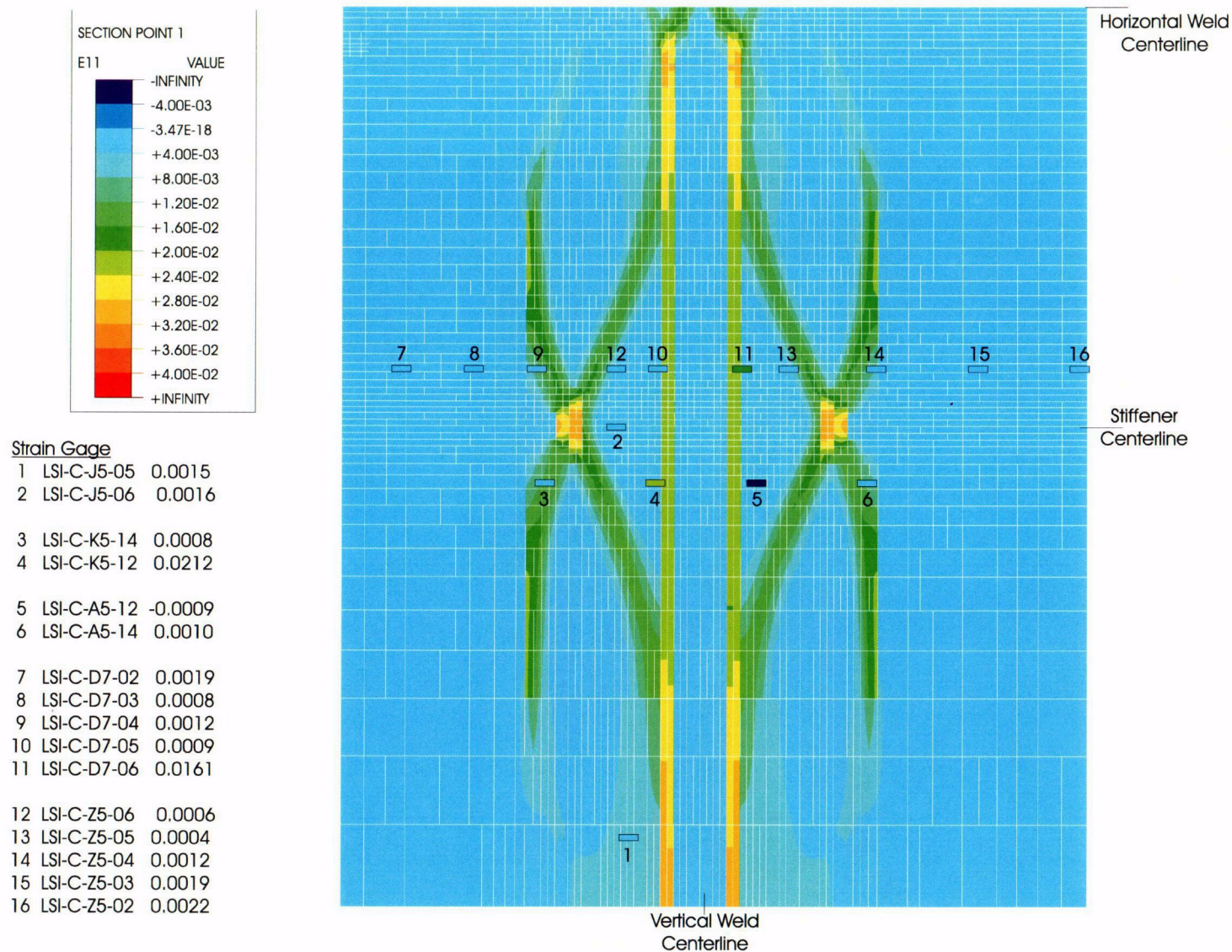


Figure 8-103. PCCV Liner Seam Rat-Hole Study, Horizontal Strain Contour, Case 7,
LST Strain Gage Data Superimposed at 2.8 Pd

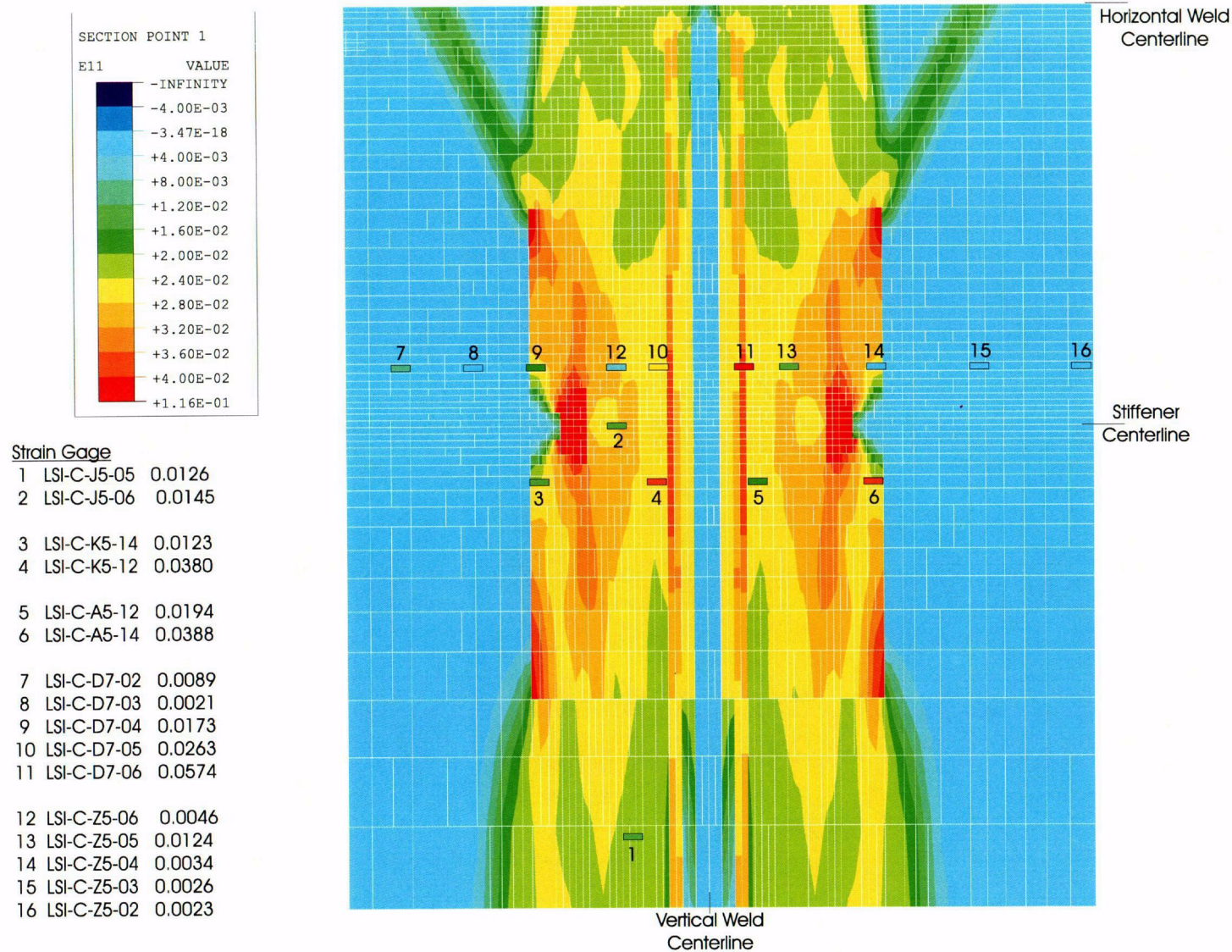


Figure 8-104. PCCV Liner Seam Rat-Hole Study, Horizontal Strain Contour, Case 7, LST Strain Gage Data Superimposed at 3.3 Pd