AWS D1.5 Interpretation

Subject: Radiographic Discontinuity Evaluation Criteria

Code Edition: D1.5-96

Code Provision: Sections 9.21 and 9.21.2.1, and Figure 9.4

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Inquiry: Please indicate what the correct interpretation is when considering the correct application of the “B” dimension referenced in paragraph 9.21.2.1 and illustrated in Figure 9.4 when multiple discontinuities are evaluated as one single discontinuity.

Response: If two indications are noted to be in closer proximity than the minimum spacing, “C”, measured along the longitudinal axis of the weld, the two indications are evaluated and measured as a single discontinuity, equal to the sum of their total individual lengths, plus the spacing between them. This single discontinuity is then measured at its greatest overall dimension without regard to the orientation of the longitudinal axis or discontinuity location within the weld. The diagram below gives a visual reference to the aforementioned interpretation. The groove weld size is assumed to be 32 mm and all sketch dimensions are in millimeters.