AWS D1.1 Interpretation

Subject: Notches and Gouges on Oxygen Cut Surfaces
Code Edition: D1.1-84
Code Provision: Subsection 3.2.2
AWS Log: D1-85-025

Inquiry:
(1) Does 3.2.2 mean just oxygen cut areas adjacent to welds, or areas to be welded?
(2) What is meant by “occasional notches or gouges”; and how close or far away is “occasional”?
(3) Is repair required for notches and gouges up to 3/16 in., or is repair required for notches and gouges 3/16 in. and larger?
(4) What are the requirements pertaining to other conditions such as ends of girder flanges, ends of beams, cope and notches in beams, base plate and gusset plates?

Response:
(1) Applies to all oxygen cut areas.
(2) [The meaning of “occasional” is] as defined in Webster’s New Collegiate Dictionary (i.e., “infrequent occurrence”) and as explained in the Commentary 3.2.2. [Spacing is] determined by the fabricator, together with the Inspector or Engineer, or both. (Also see Commentary 3.2.2.)
(3) For notches and gouges up to and including 3/16 in., repair is to be made by fairing, grinding or gouges over 3/16 in. are repaired by welding only with approval of the Engineer.
(4) All oxygen cut edges must meet the requirements of 3.2.2.