AWS D1.1 Interpretation

Subject: Ultrasonic Inspection
Code Edition: D1.1-92
Code Provision: Subsections 6.13.1, 6.13.4, 6.15.6, 6.15.7.2, 6.21.2.4, 8.15.4
AWS Log: 5.7

Inquiry:
1) Why is there no screen height setting for reference line height indication when angle beam testing? Refer to 6.21.2.2 of D1.1.
2) Does subsection 8.15.4 cover welds, base metals, or both?
3) Is it acceptable to use smaller diameter transducers on thin material? Refer to 6.15.6.
4) Is it acceptable to use smaller transducers (or circumferential transducers) when joint configuration does not permit 0.62 x 0.62 in. transducers? Refer to 6.15.7.2

Response:
1) The reference line is relative and can be set at any convenient level the technician wants to work with.
2) Weld and HAZ only. See 6.13.1 and 6.13.4.
3) No.
4) No.