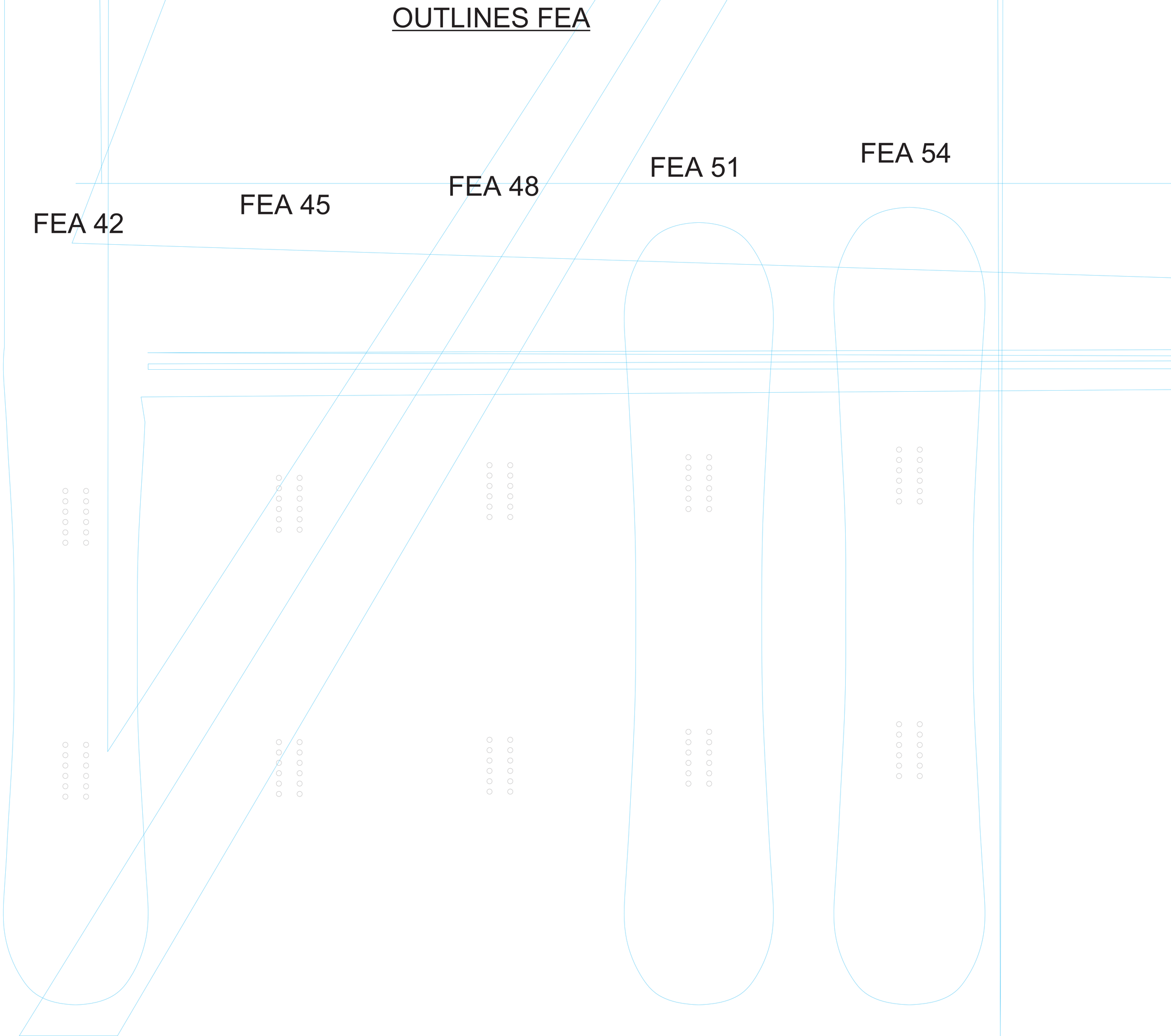OUTLINES FEA