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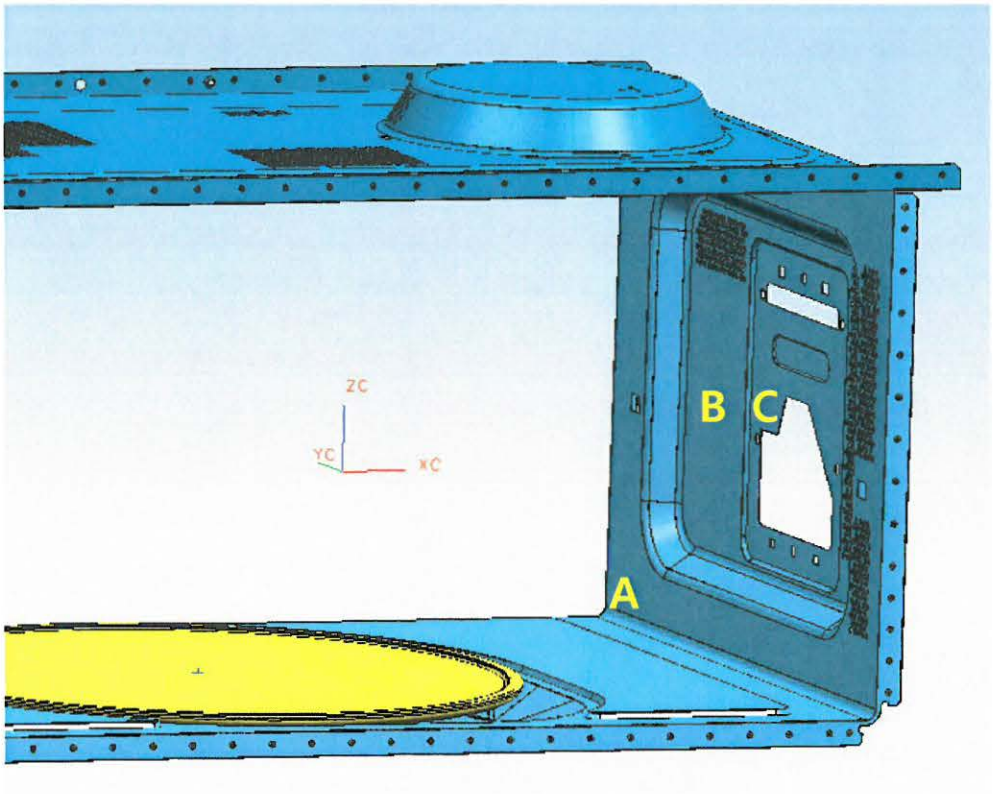
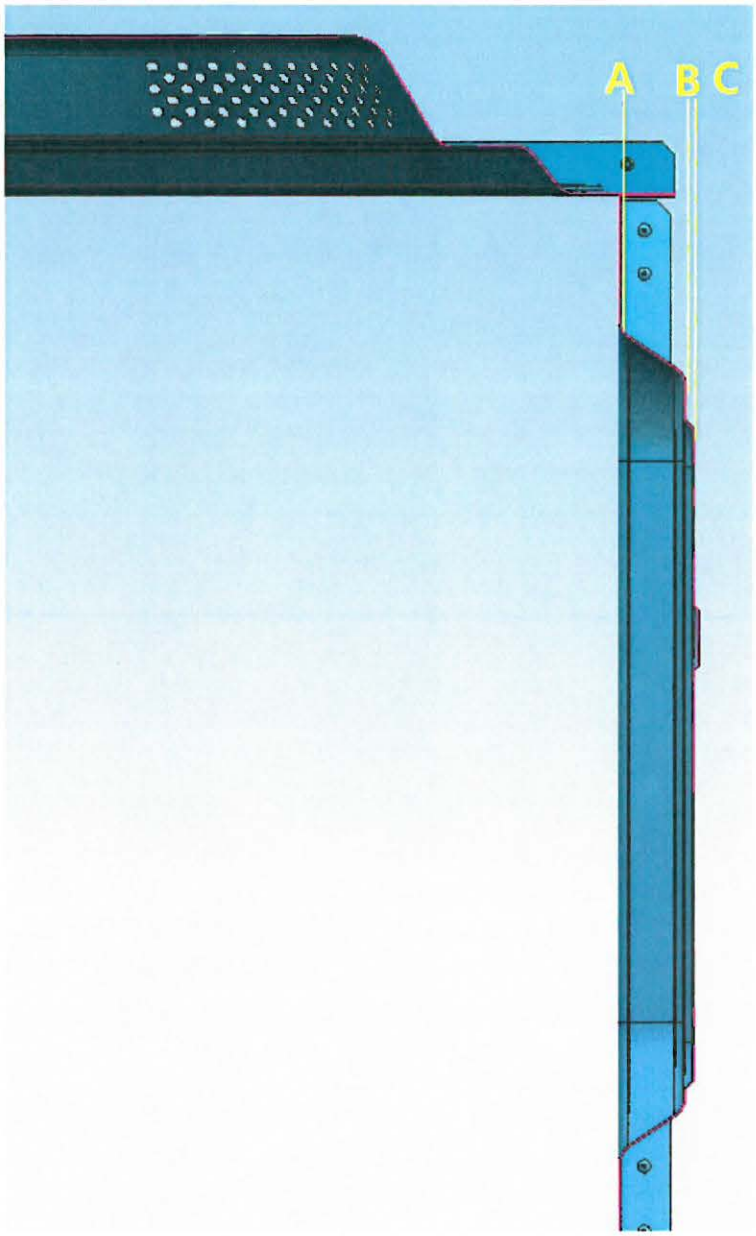
Subject: Cavity Size

Question 1:

The plane B and C, in the figures below, has slight depth difference (almost 1 mm).
In case of define the largest surface regarding OV-1-2005, Cl. 4.1.2, B and C can be considered same plane?





Answer:

ANSI/AHAM OV-1-2006 requires measurements to be made to the nearest 3 mm. Therefore it would be legitimate to regard B and C in your diagram as being the same plane.

Question 2:

Regarding Cl. 4.1.2 and 4.1.3, I'm confused about "ignored". For example, when we measure the total surface which has holes to define the largest surface, is the surface of hole is Included? or Excluded to the calculation?

Answer:

"Ignored" means that the hole is regarded as not being there. Do not deduct the area of any holes from the overall area of the plane.