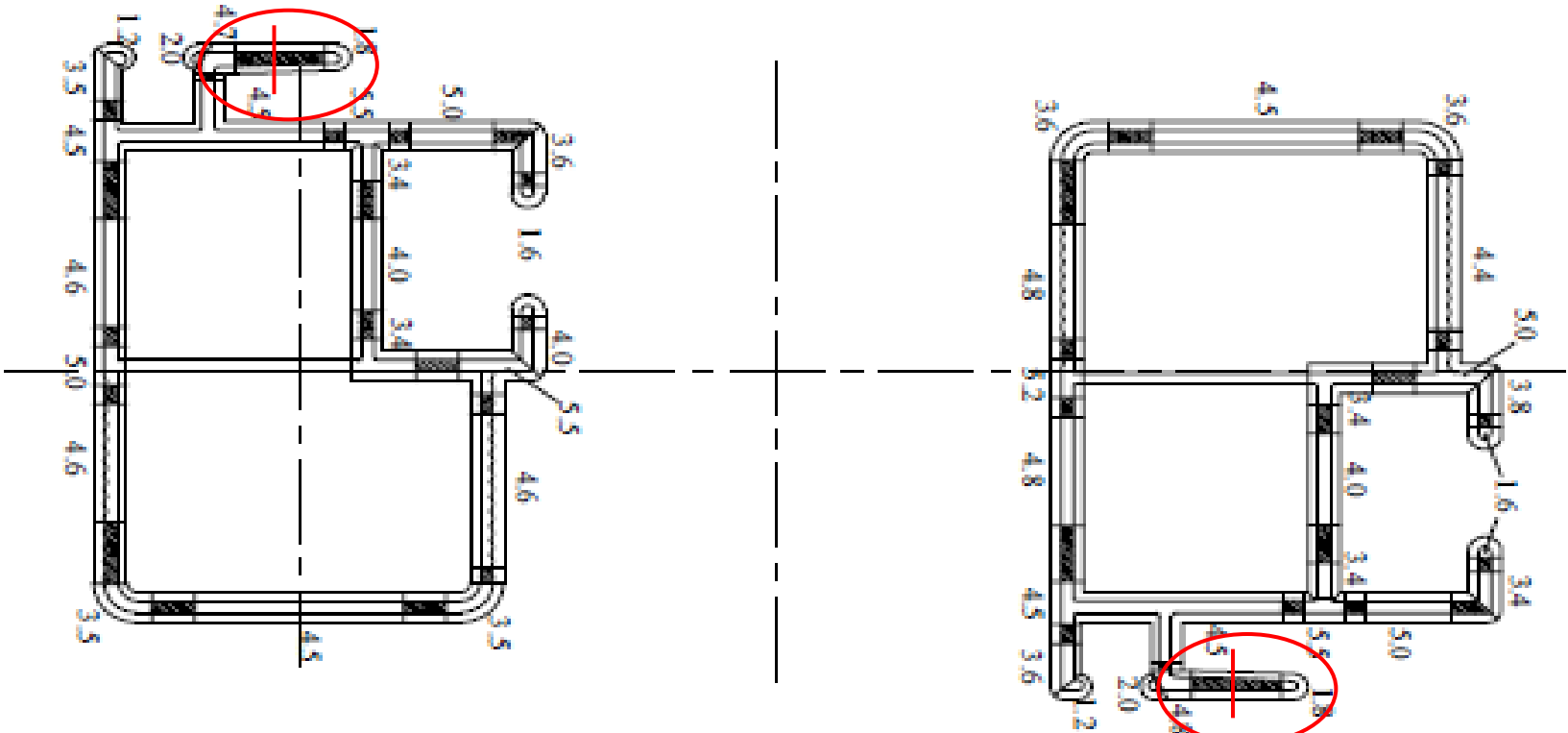
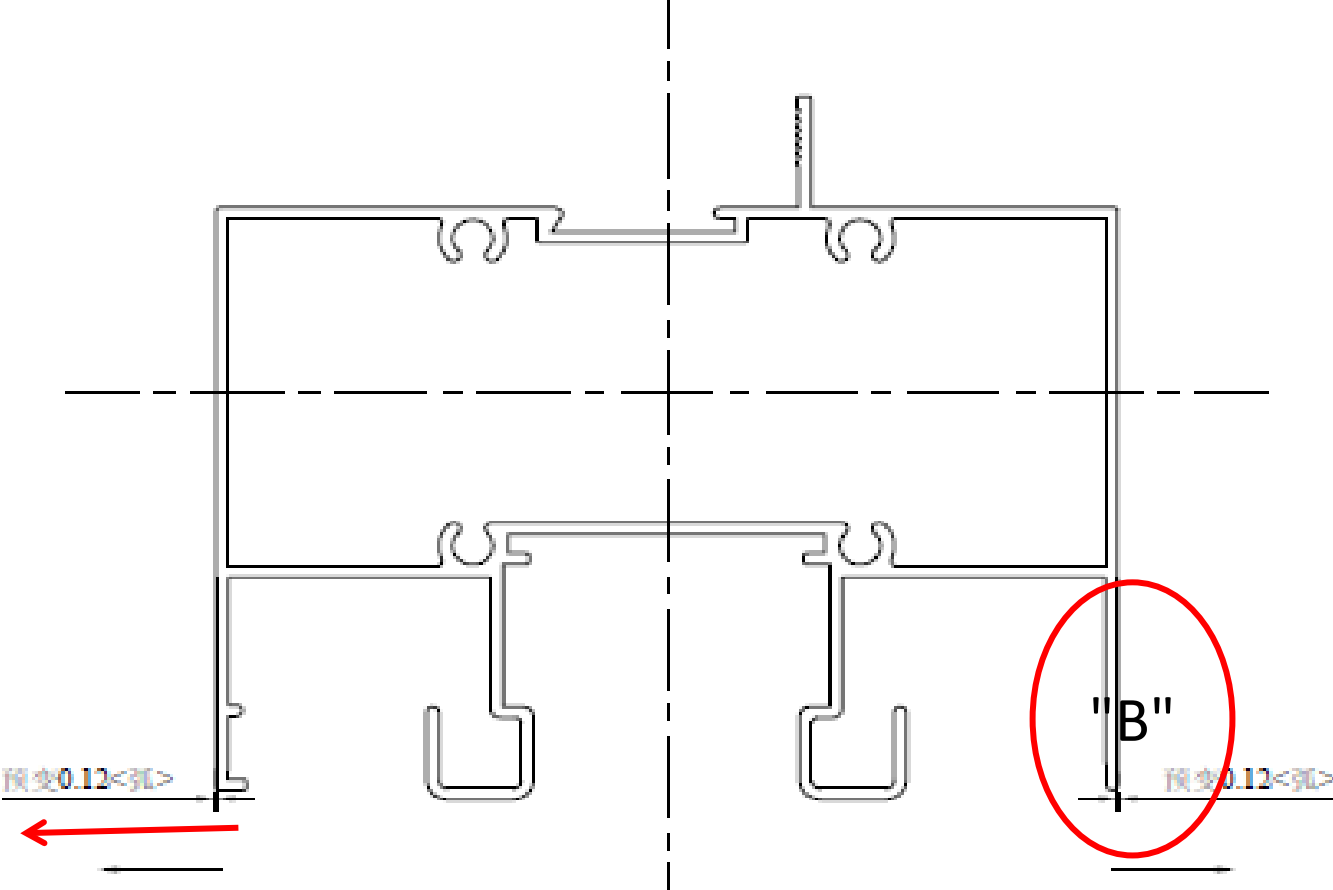
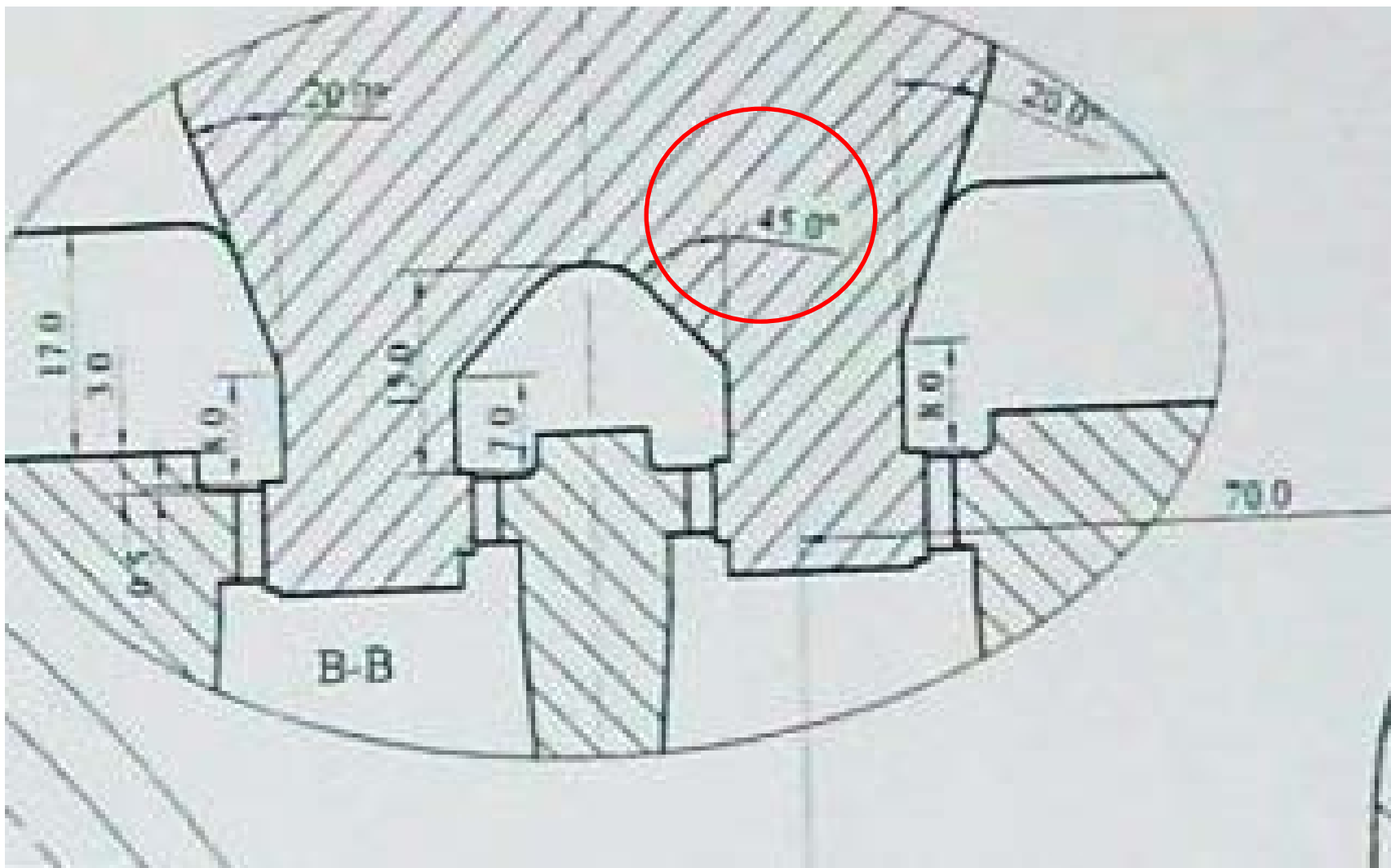
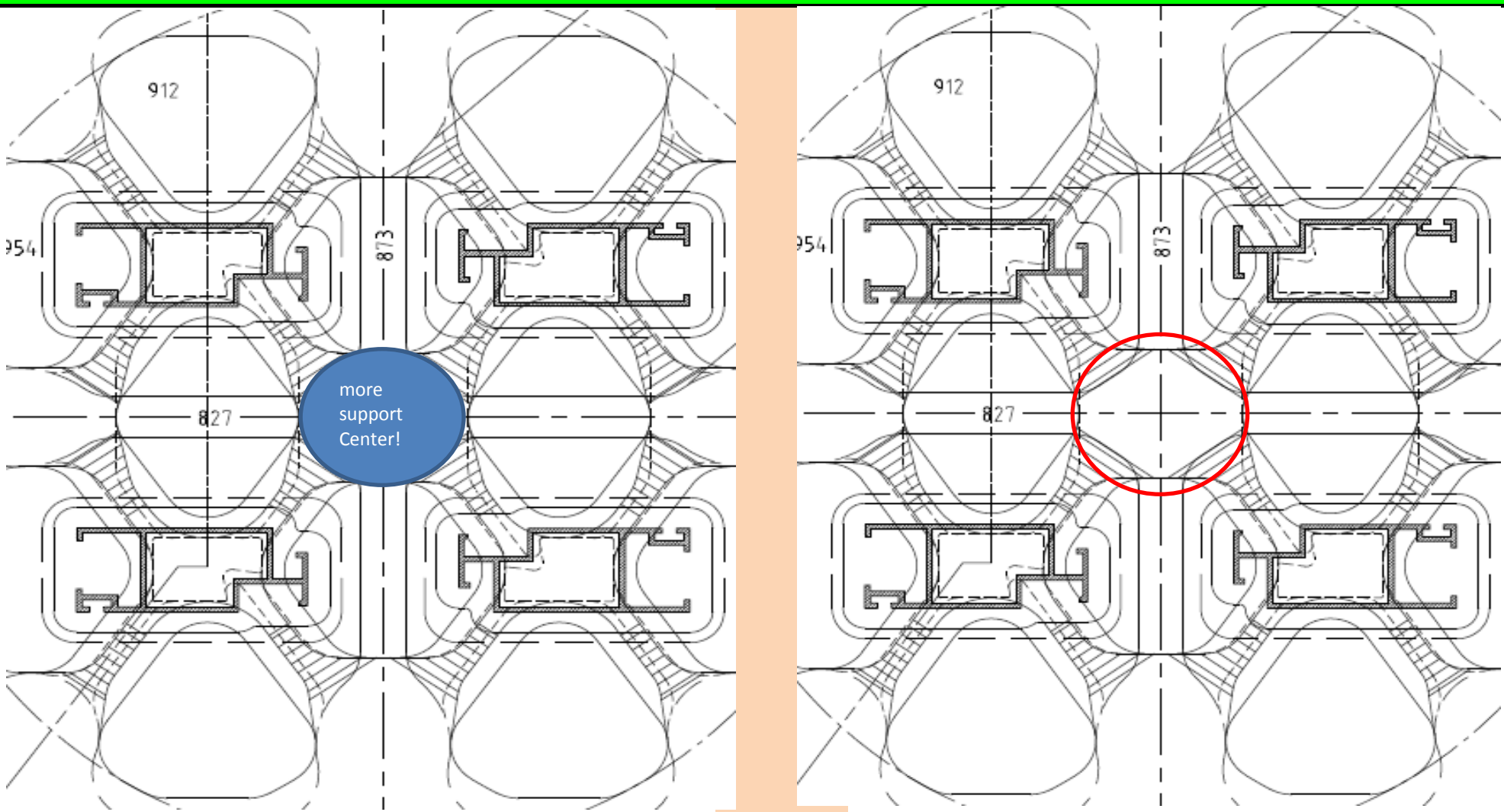
	<p>Problem wall thickness difference, because the small Mandrel has no equal flow - different Distance A-B this is to much! So the Mandrel moves</p> <p>The Center Area is a little too small, milling down 7mm.</p> <p>"C" mill it down, because the bad flow.</p>
	<p>This Area, the Bearing length is a little to short. Next Time 0,3mm longer Bearings.</p>
 <div data-bbox="220 2418 525 2507"><p>"A" Change this to 0,20 open the Angle</p></div>	<p>Flow is ok, Mandrel is not moving, so the design is good! Downside Inlaid 25% bigger than upper side. (Profile Volume)</p> <p>"A" this legs are allways more closed change the opens from 0,12 to 0,20mm</p> <p>"B" This Area i opened the 2nd Step to much now the fin is weaving</p>



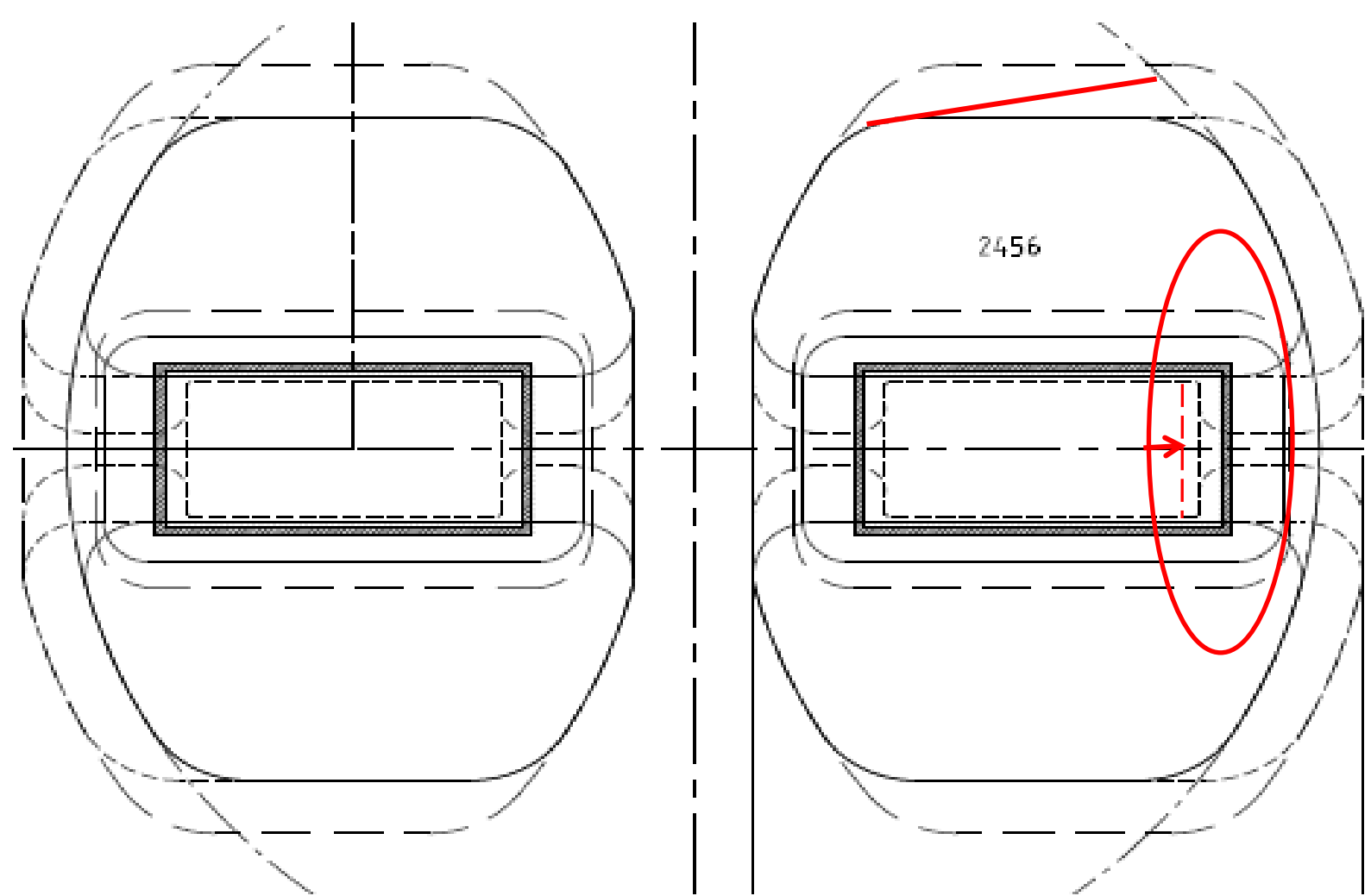
No sharp edges!!
No good support
so the Mandrel
can move!

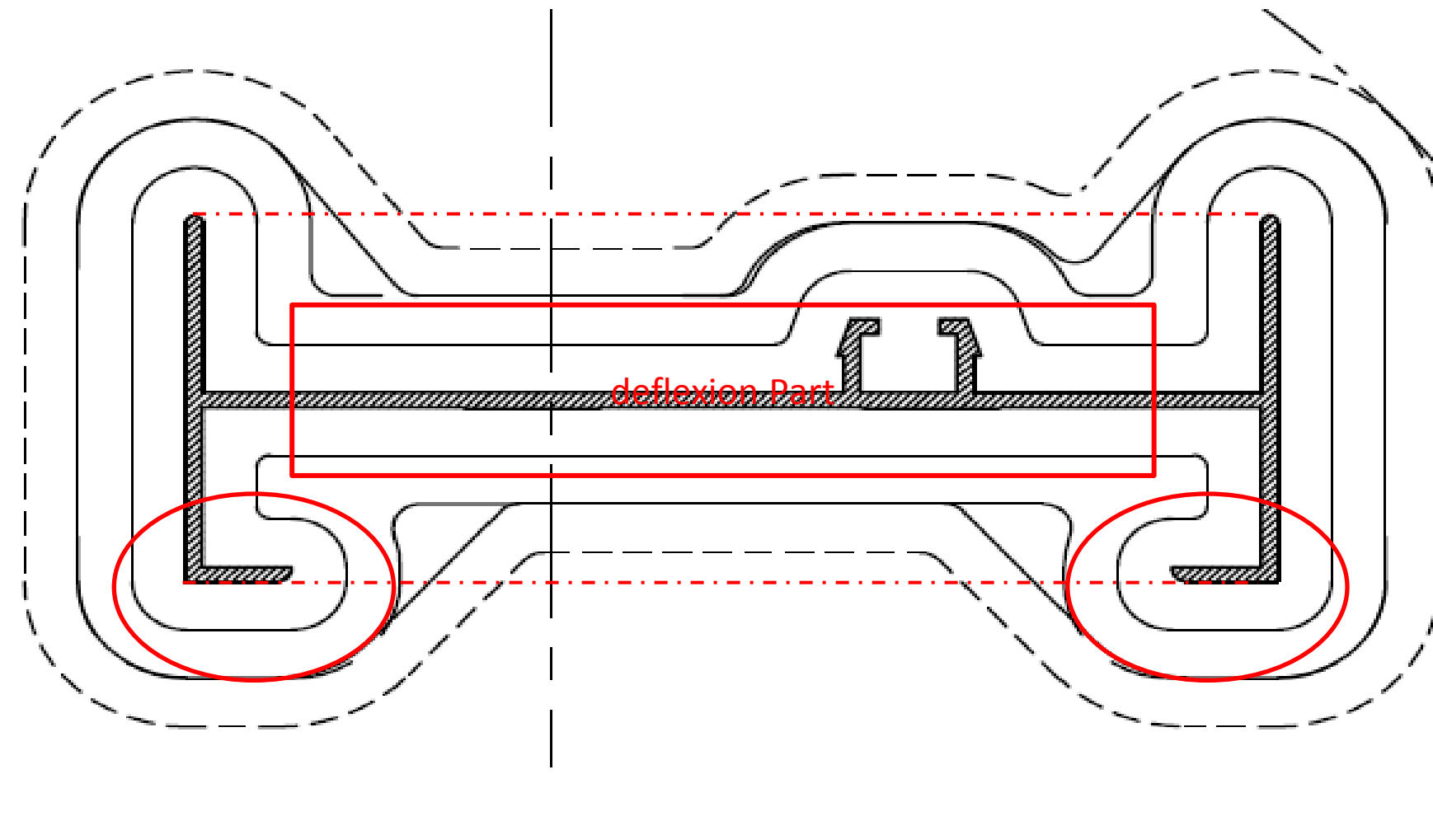


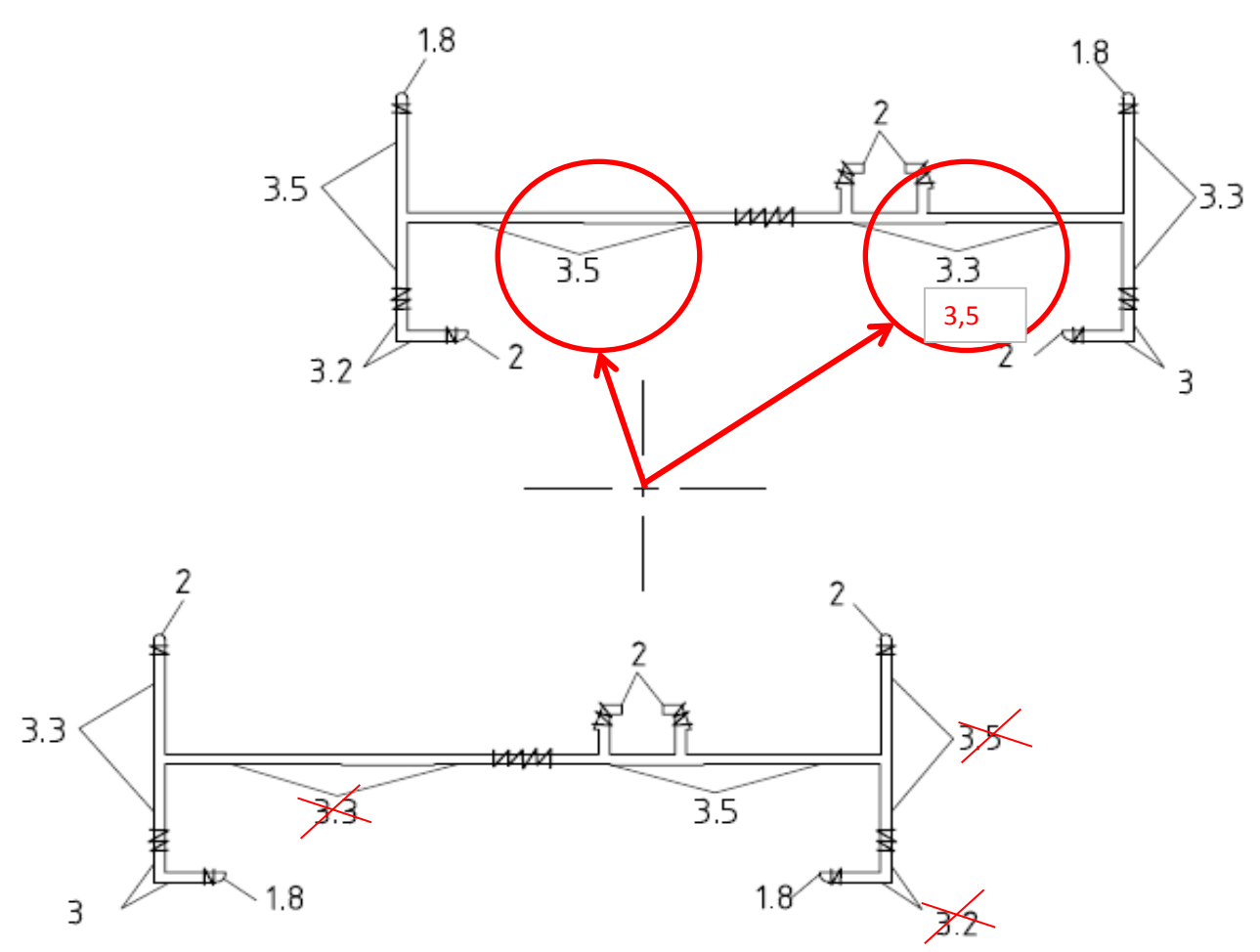
Between two
Mandrel work with
an Angle to better
control the Mandrel
moves.

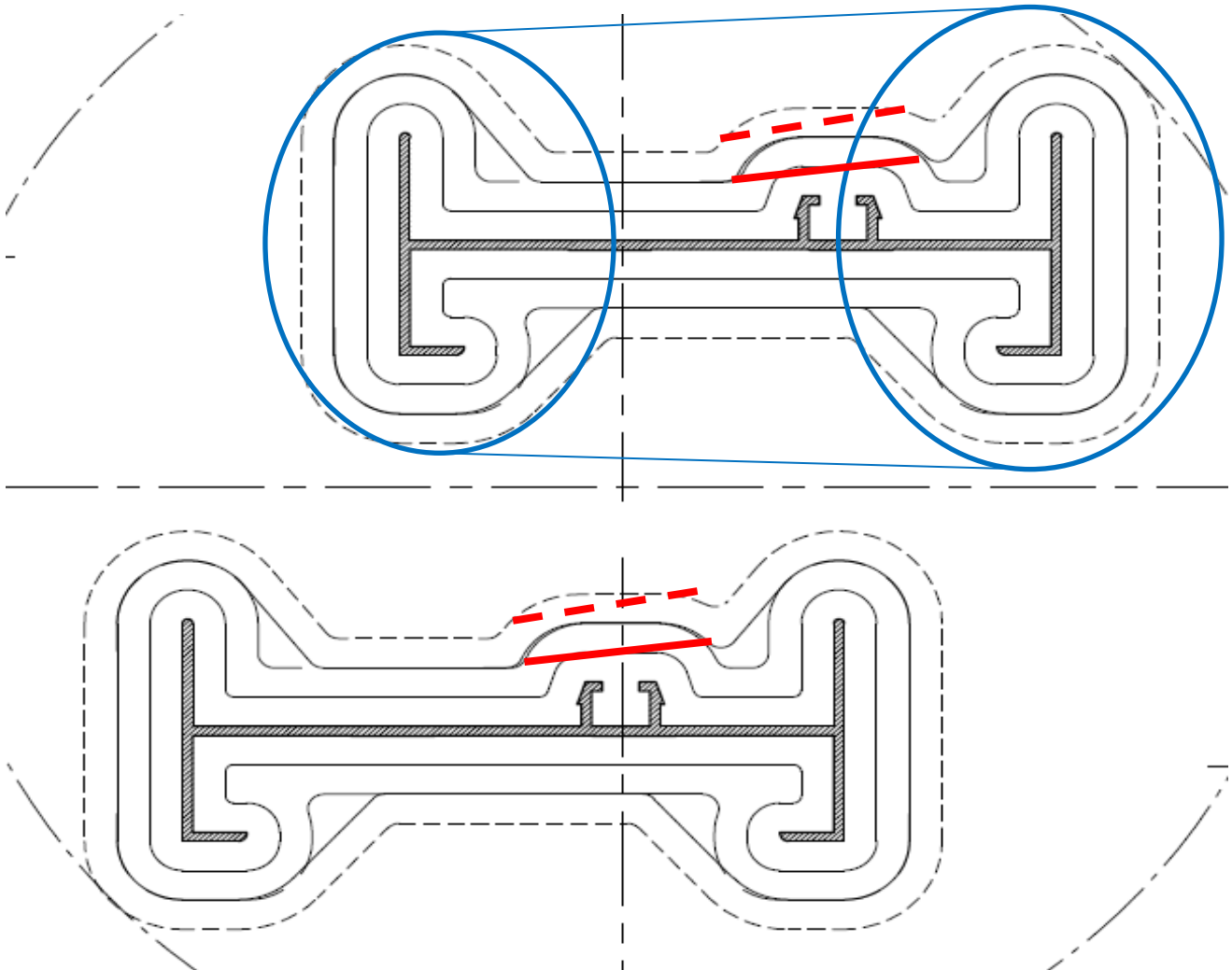


No good Example
Center part needs
best support!!!

	<p>No good Example: Not respect the different flow from Center to outside, also not respect the deflexion</p> <p>1. outside a little more undercut (0,5mm) 2. Open the Inlaid to outside</p>
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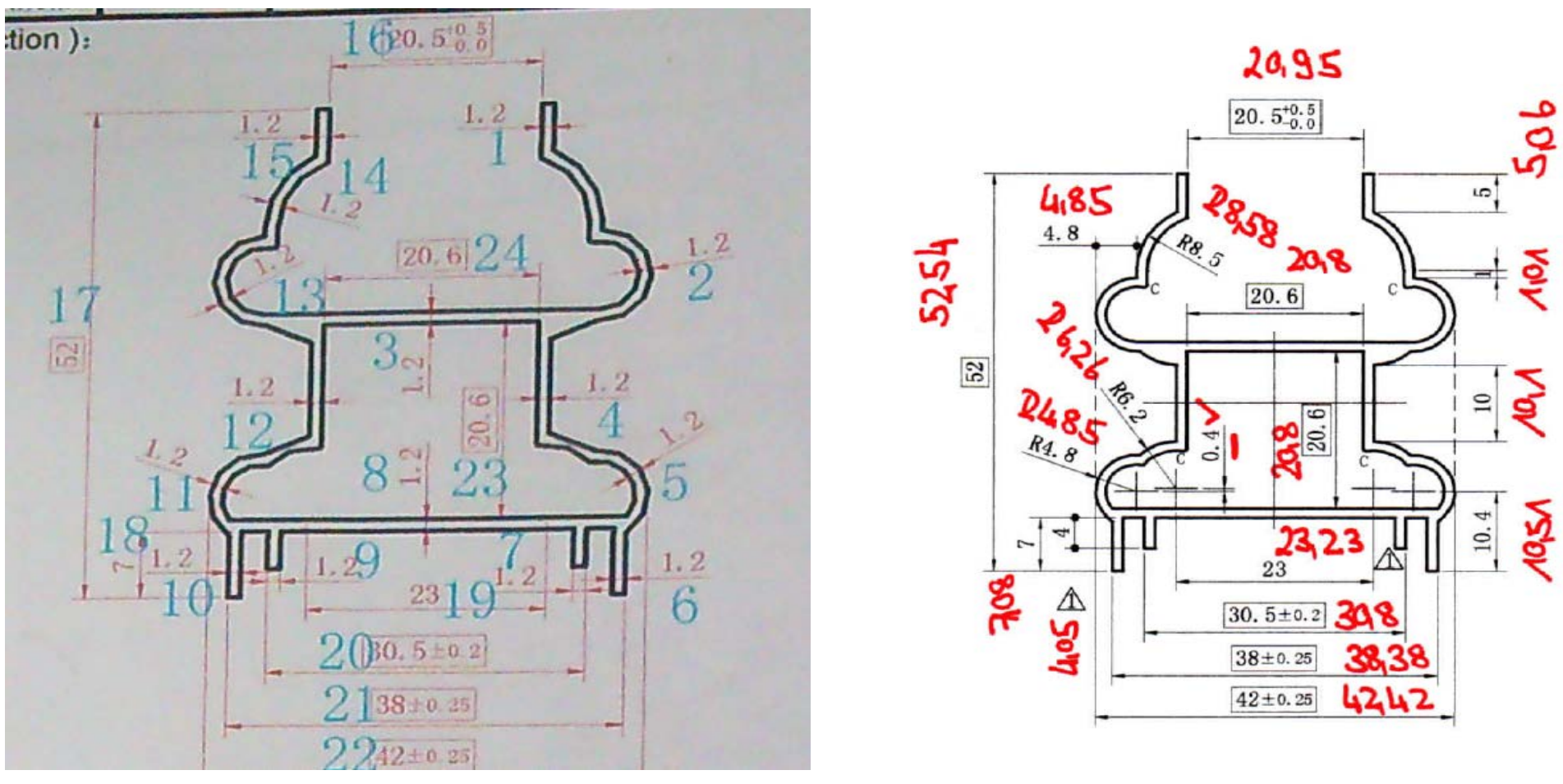
	<p>No good precamber Area at the small parts should be enlarged!</p> <p>Also between the deflexion part ----- the bearings should be longer.</p>
--	--

	<p>No good different bearing length, should make the difference in the Volume of the Inlaid Port.</p> <p>- shorter the bearings only for Correction</p>	
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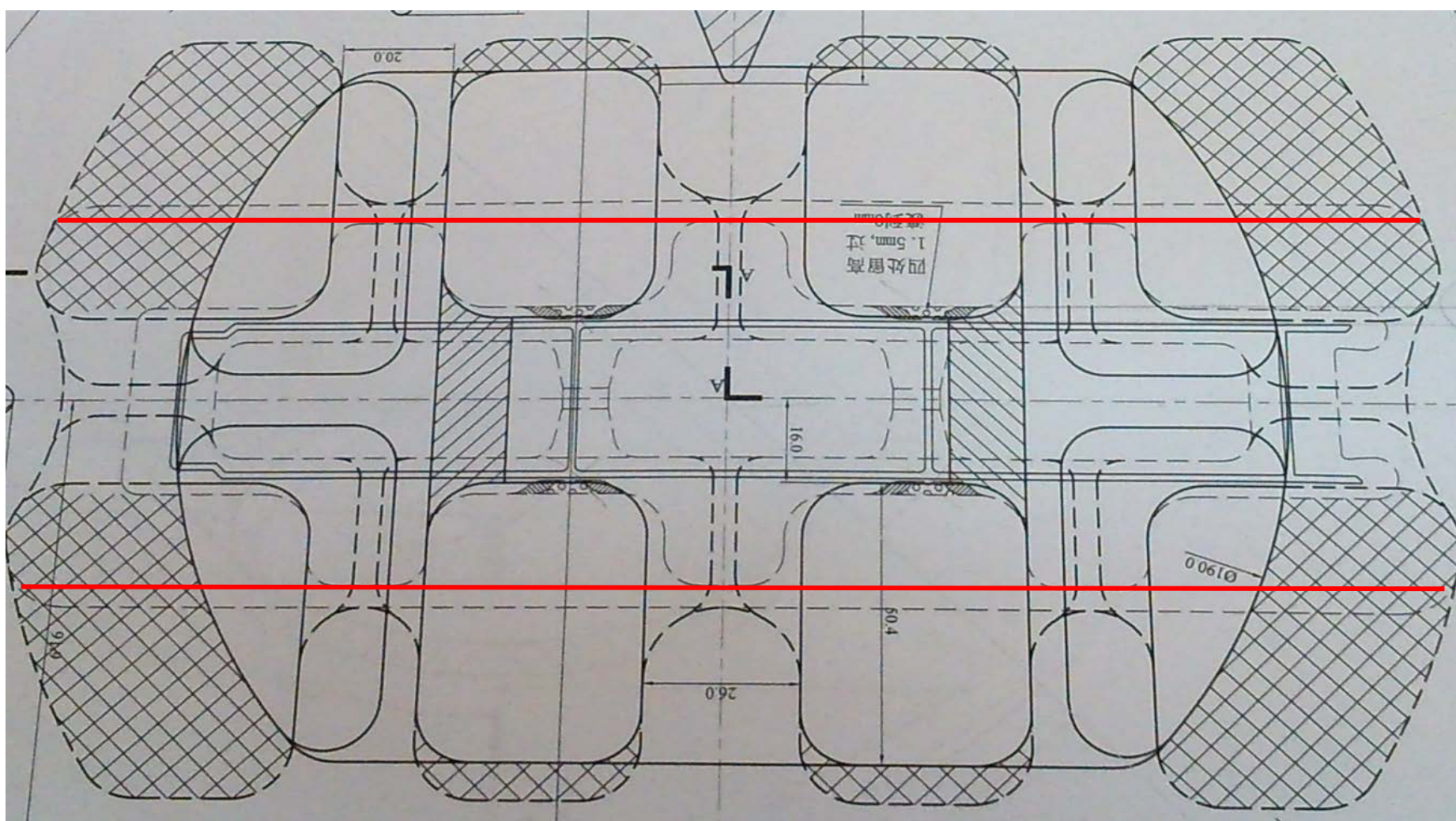
should be 10% bigger
Area
outside

The red lines also
show you a Problem,
about to big Area,
which have influence
of the Material flow!
So go closer to this
Part!



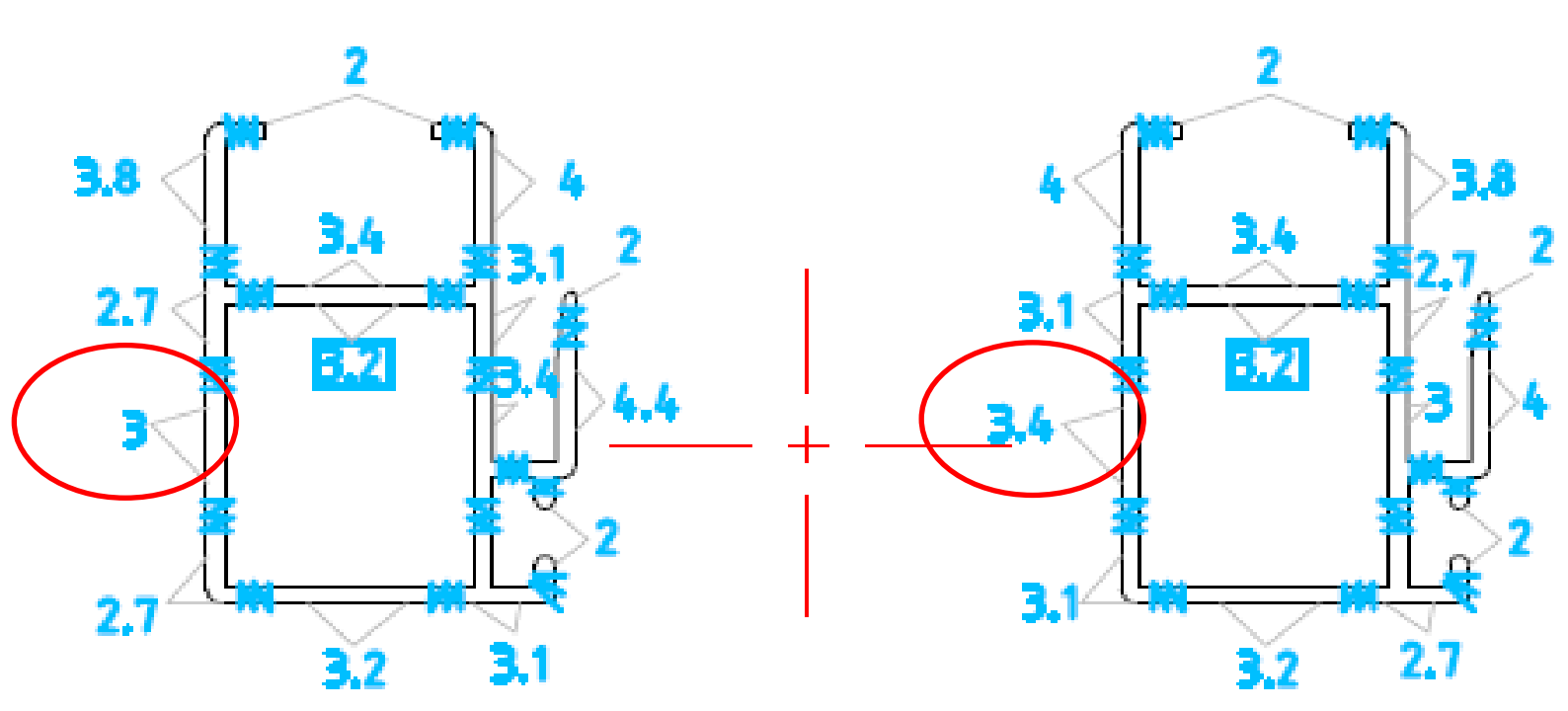
For Profile like
this use the
normal
shrinkrate 1%

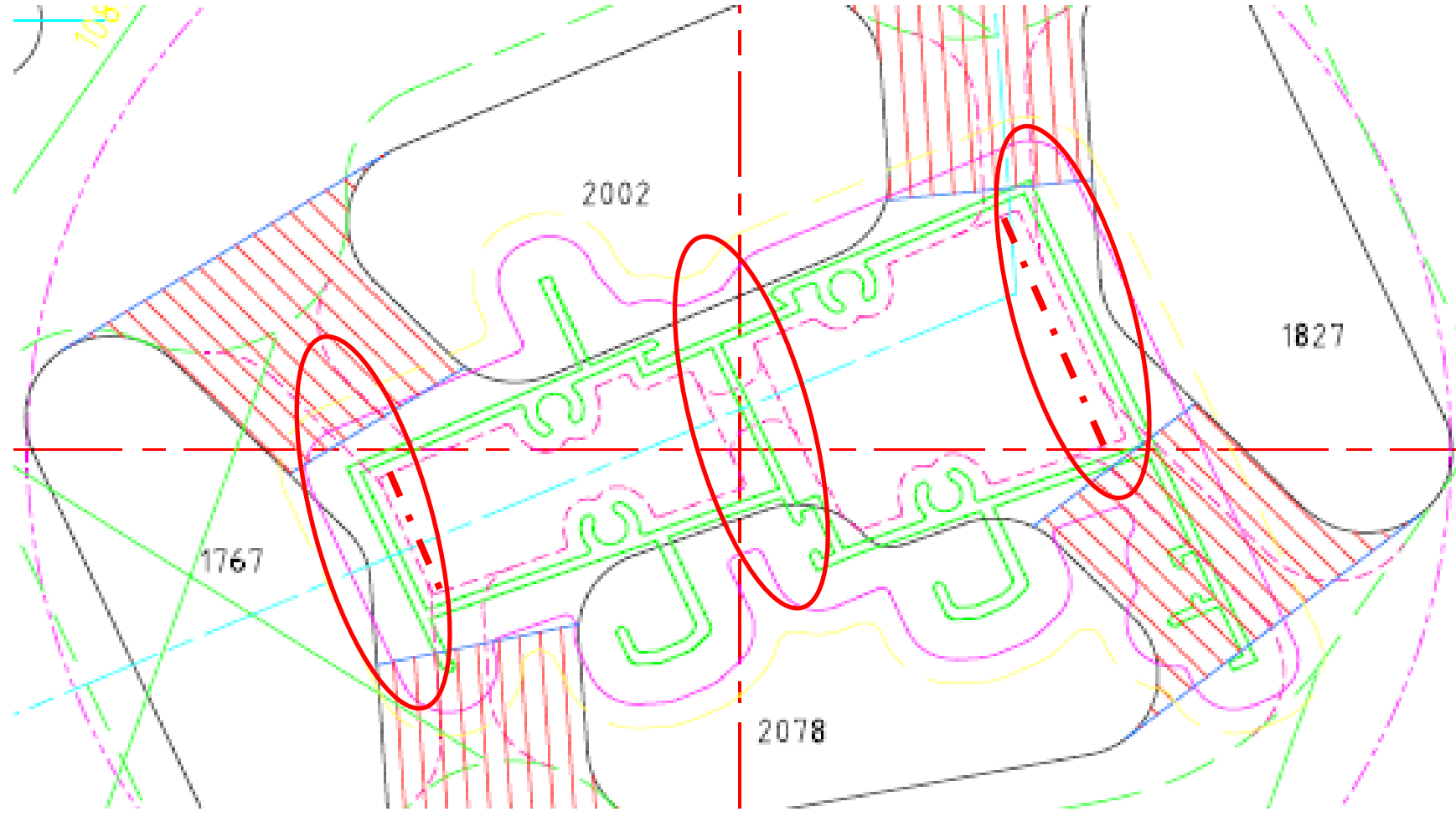
F13

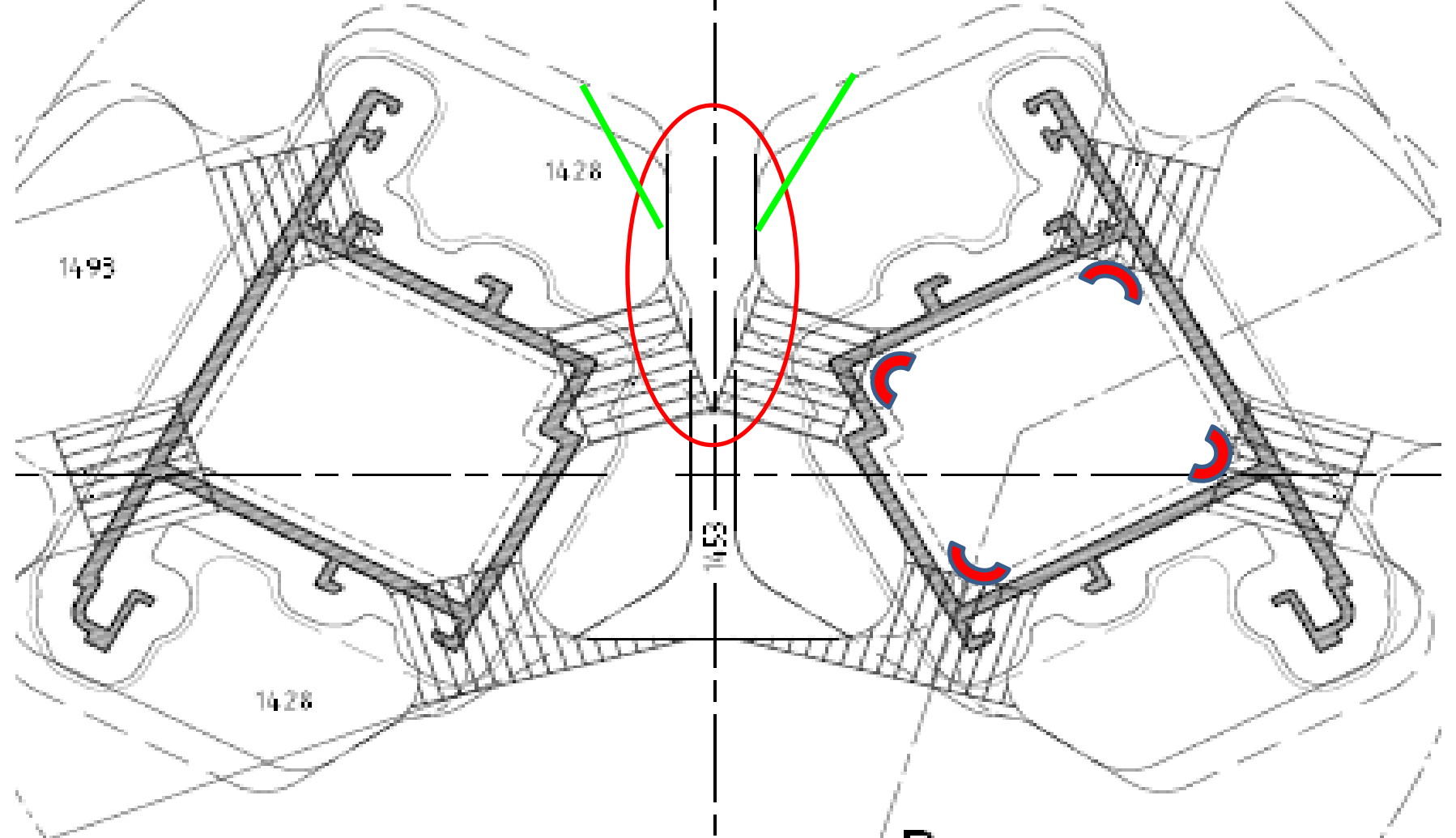



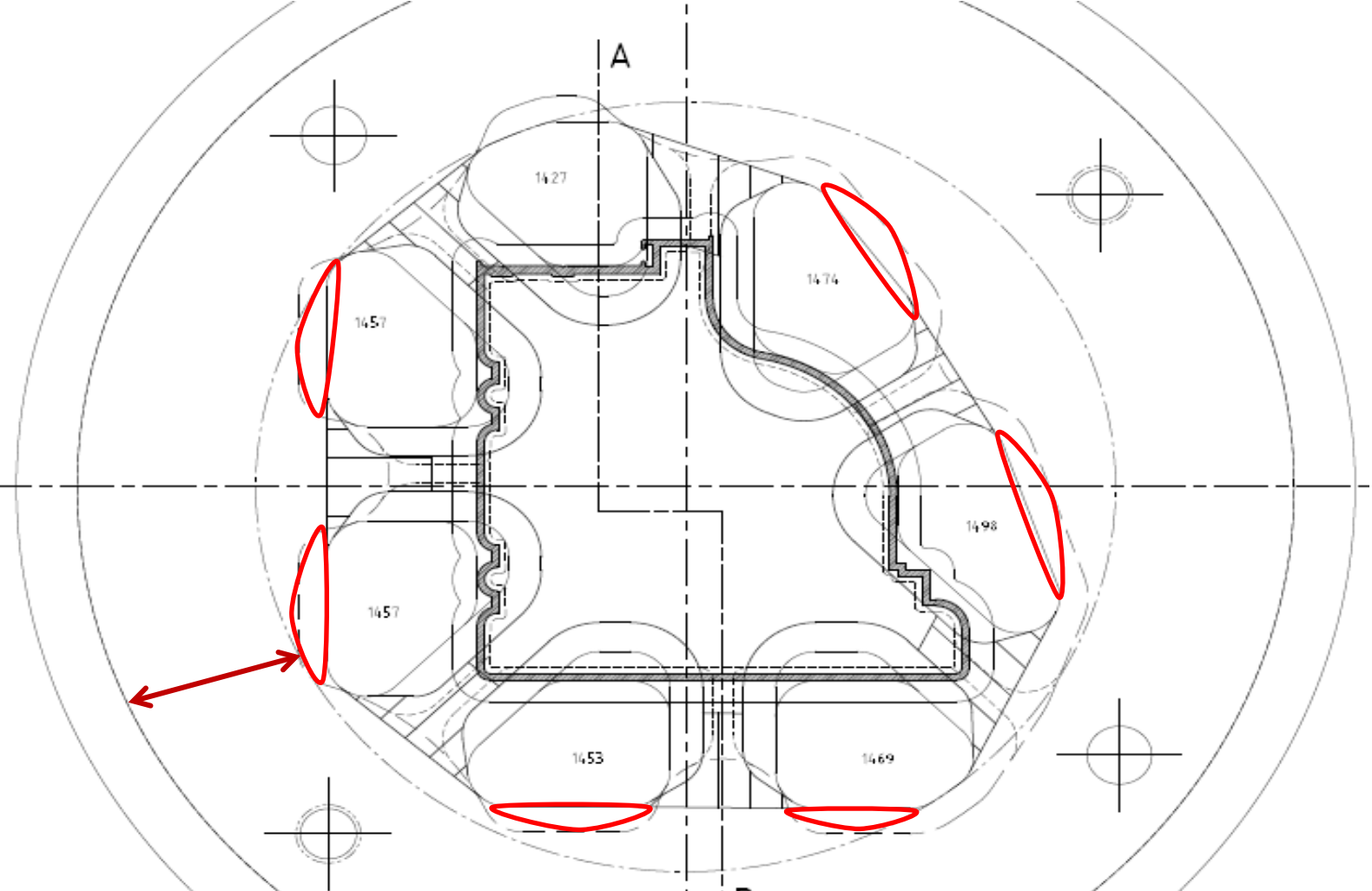
Problem of Color
difference:
on the 2nd Step dont
mill down under the
Bridges; close to the
Bearings should not
be any difference!

So bette mill it totaly
out the 2nd Step!
Lets find the Result
from F13

	<p>In Die design make no difference at the bearing length from inside to outside, this should be only for Correction</p> <p>You have to increase the Volume outside!</p>
--	--

	<p>Undercut of Mandrel should be the same, or outside a little more!</p>
--	--

	<p>Middle Part to small so no support for the Mandrel at the Die Plate!! Reason for Mandrel deflexion!</p> <p>The green lines shows how to do it better!</p> <p> Mandrel undercut at the Edges should be a Radius >R2 -R5, because the bad flow</p>	
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 <p>The image is a technical drawing of a mechanical part, likely a mold or a die, showing a cross-section. The part has a complex internal structure with various channels and features. Red annotations highlight specific areas: a red oval around a feature labeled '1457' on the left, a red oval around a feature labeled '1474' on the top right, a red oval around a feature labeled '1498' on the right, and a red oval around a feature labeled '1453' on the bottom left. A red arrow points to the '1457' feature. The drawing includes a central vertical axis labeled 'A' and a horizontal axis labeled 'F119'. There are also four circular features, each with a crosshair, located at the corners of the part.</p>	<p>Big Mandrel Area, so it means we should use a bigger Die Size! (more than 20% of Diameter)</p> <p>We always should try to use the maximum Inlaid!</p>	