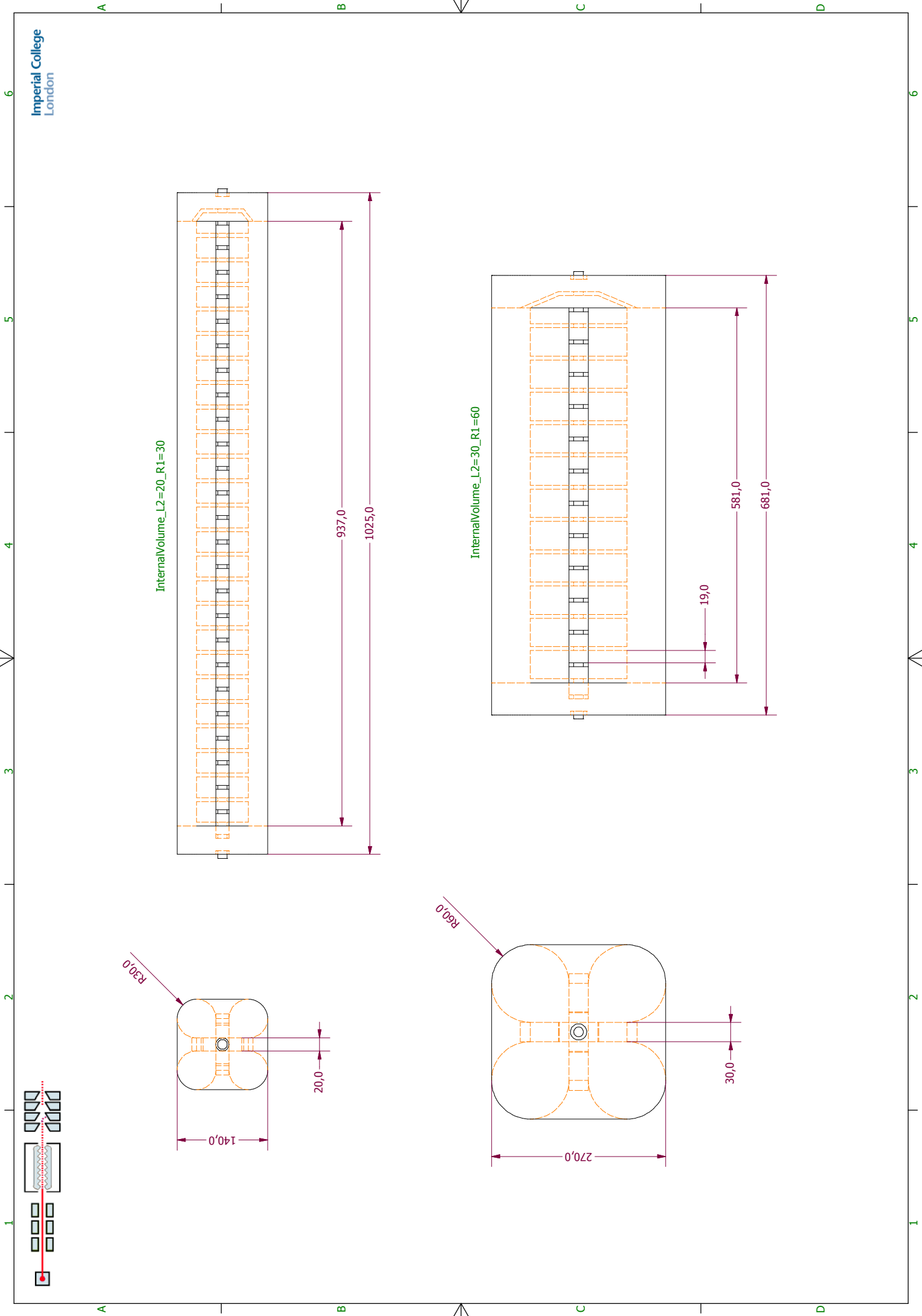
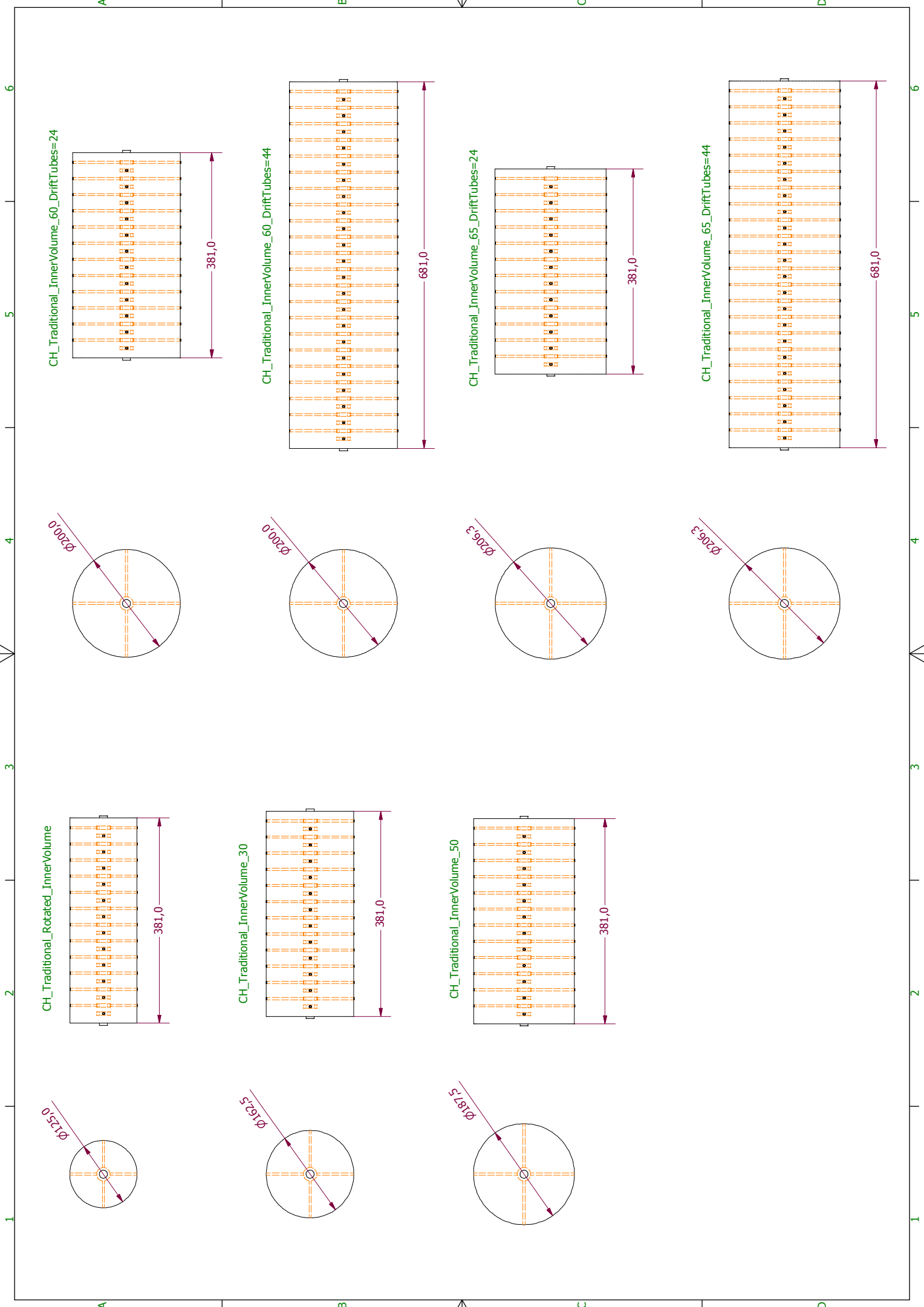
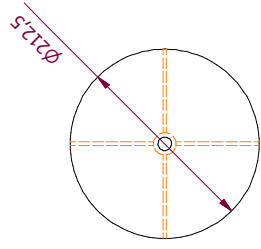
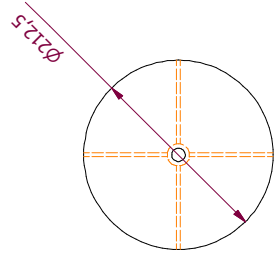
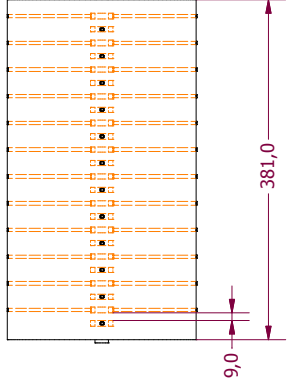




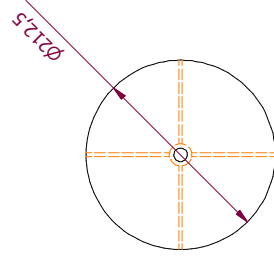
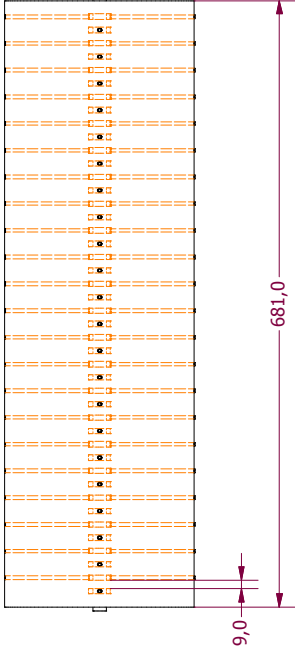




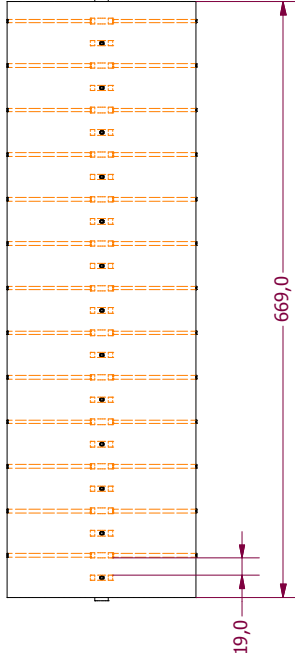
CH_Traditional_InnerVolume_70_DriftTubes=24

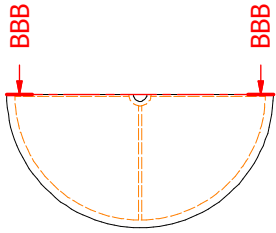


CH_Traditional_InnerVolume_70_DriftTubes=44

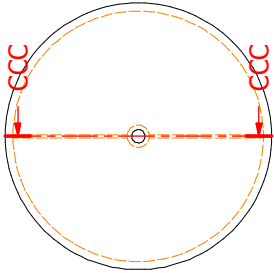


CH_Traditional_InnerVolume_70_DriftTubes=26

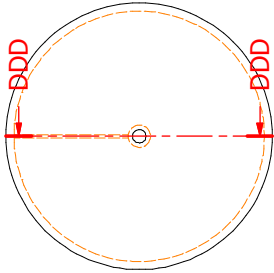




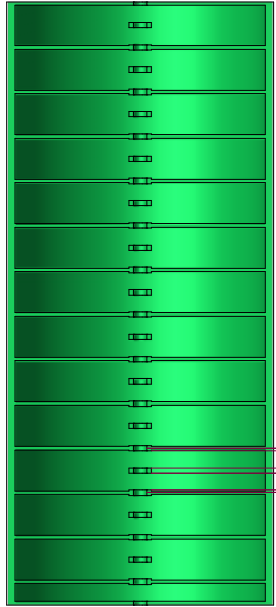
CH_Traditional_125_DriftTubes=26



IH_Traditional_125_DriftTubes=26

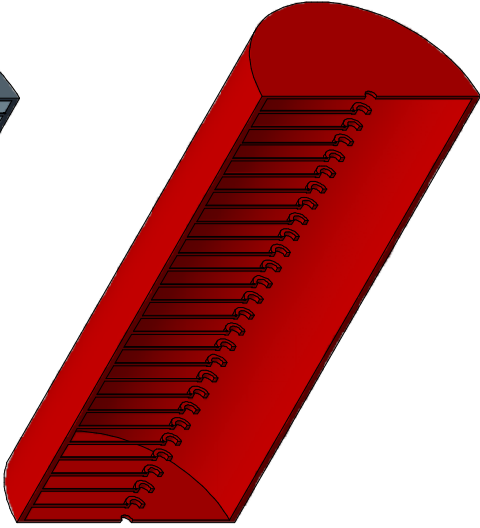
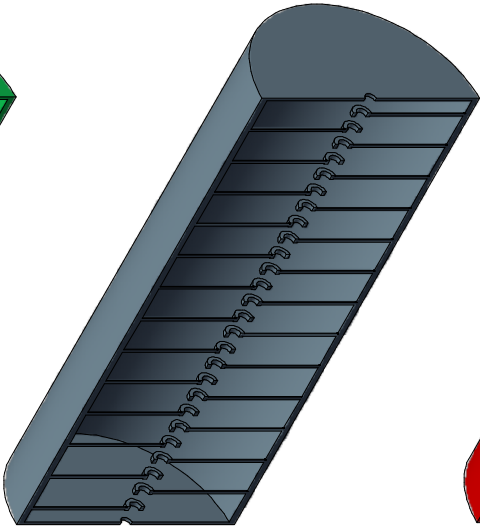
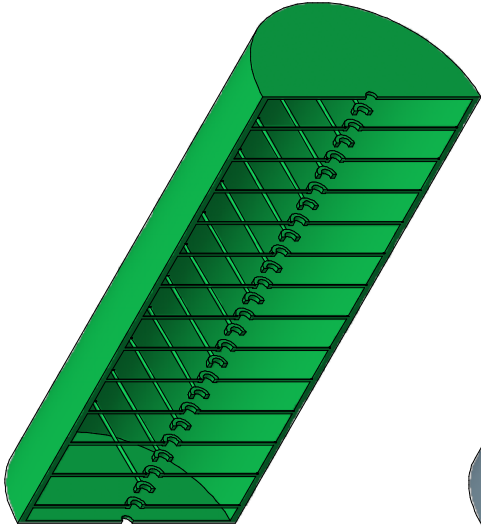
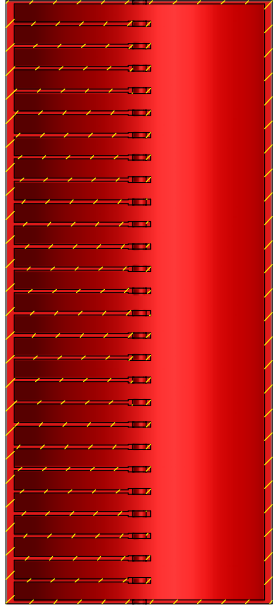
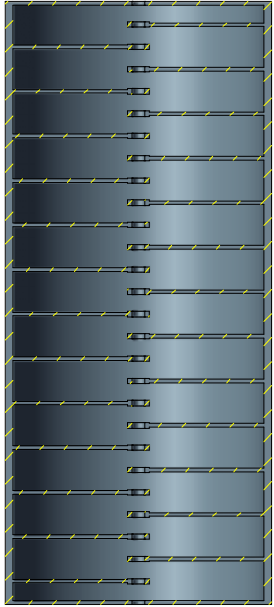


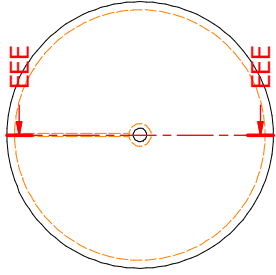
DTL_Traditional_125_DriftTubes=26



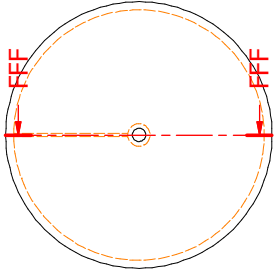
Consider span of 50mm.
 Total length of drift tubes = $3 + 3 + 6 = 12\text{mm}$
 Total length of accelerating gap = $19 + 19 = 38$

19,0
 6,0
 3,0
 50,0

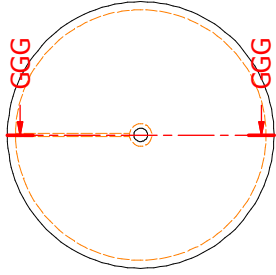




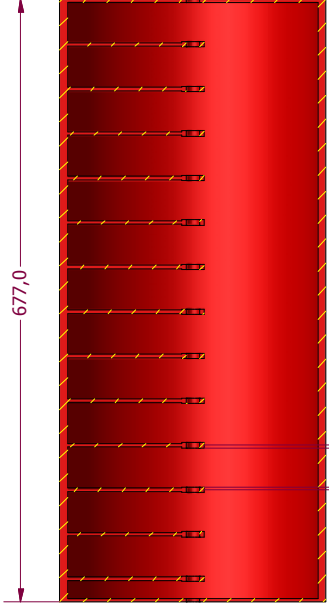
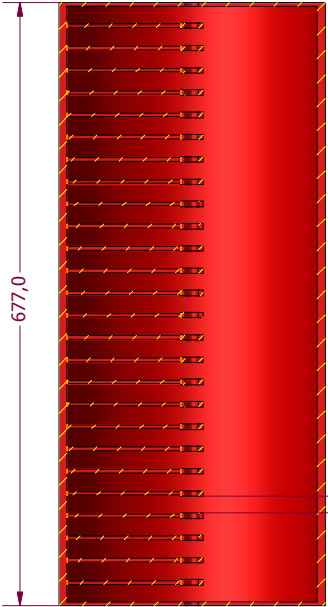
DTL_Traditional_125_DriftTubes=26



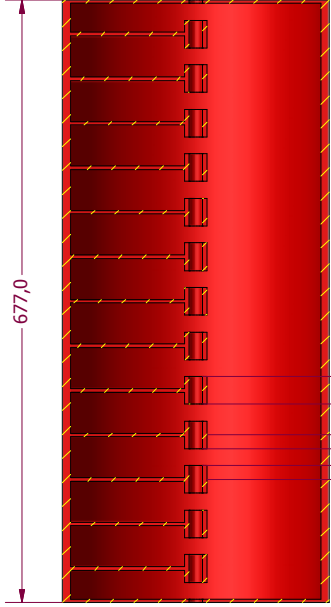
DTL_Traditional_125_DriftTubes=13



DTL_Traditional_125_DriftTubes=13_Long



Consider same span of 50mm.
Now the gap of 19mm has become 44mm.
We need to elongate the drift tubes to regain the 19mm gap.



A

B

C

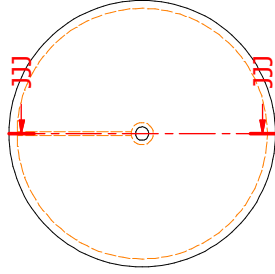
D

A

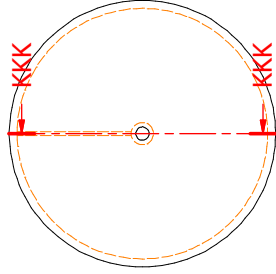
B

C

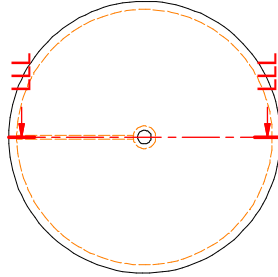
D



DTL_Traditional_125_DriftTubes=13_Gap=10



DTL_Traditional_125_DriftTubes=13_Gap=5



DTL_Traditional_125_DriftTubes=9_Gap=37

