My work in 2015

5-2

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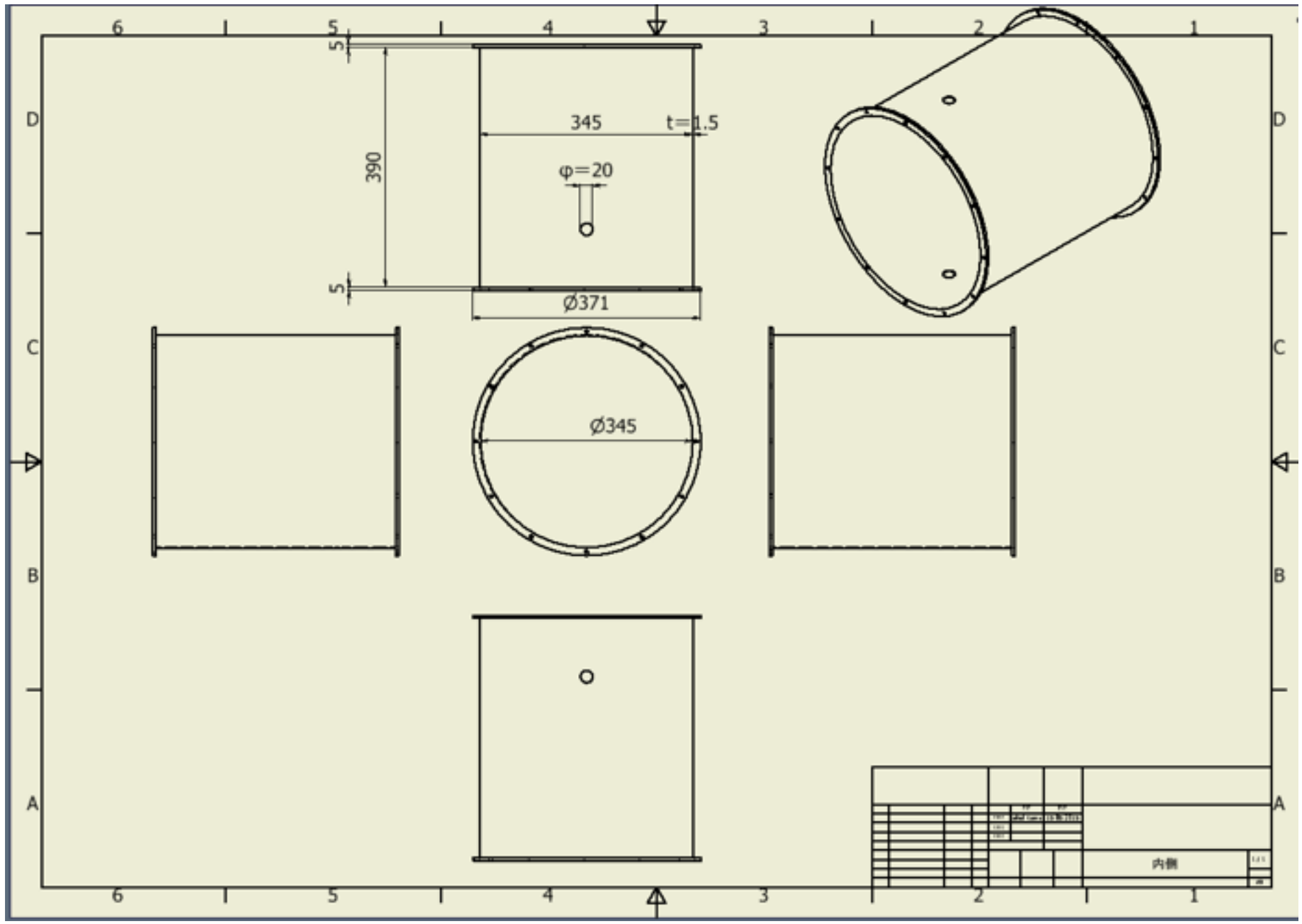
Extension

- I drew the extension on my notebook.
- I am drawing the extension in CAD.

CAD design



Q measurement

- I rotated the head of the monolithic fiber and measured Q-value of each case.

Q measurement

- Position 1:300K:Q=4180(5K:7.4✖10^5)
- Position 2:300K:Q=4300(5K:4.0✖10^5)

10^5

- Position 3:300K:Q=4130
- Position 4:300K:Q=4260~4390
- Even if Q-value is higher at room temperature, Q-value is not always higher at low temperature.

Next work

- We will insert sapphire blocks between the copper clamps and the head of the fiber and measure Q-value.

- We will ask “機械工学センター” or “物性研究所” to construct the extension and some clamps.

- We will ask them to polish the aluminium clamp.