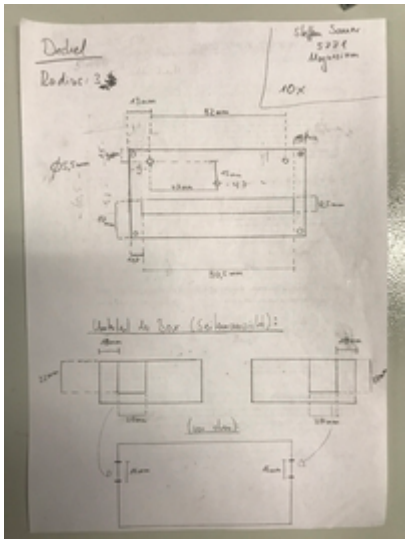
# Vacuum

## Bake out

- We use the temperature monitoring design, made by E. Wodey, for the out of loop measurements during the out baking.
  - Talk by E. Wodey for the explanation of the monitoring system: 2016-08_geoq_ctp_ew.pdf
  - Box-design made by S. Sauer: 

### Bake out list

| Item | Maximum temperature |
|---|---|
| Mounting for the spacer | |
| Zerodur rods | |
| Heat shields | |
| Screws from the mounting | |
| Windows (inside and outside the vacuumchamber) | |
| Window holder | |
| ULE rings | |
| Vacuum chamber | |
| CF Cupper rings | |
| CF Flanschkit | |
| IGP | |
| IGP cable | |
| Vacuum pressure sensor | |
| Vacuum pressure sensor cable | |
| Angle valve | |
| Sub-D Socket | |
| CF-Kreuz | |
| Indium wire | |
| Indium foil | |

| Item | Maximum temperature |
|---|---|
| Capton wires | |
| Crimp pins | |
| Peltier-elements | |
| NTC Sensors | |
| Faraday rotator | |
| Glue from faraday rotator | |
| ULE Spacer | |
| Mirrors | |

### Bake out Protocol

# Summary of information:

- Agilent: “Die einzigen Einflussgrößen auf die Stabilität des Druckes sind Gaslast und Ausgasung (eigentlich auch zur Gaslast gehörend).

Ich sende Ihnen nochmal den entsprechenden Katalogteil. Hier kann man schon vieles nachlesen allgemein zum Betrieb.”

agilent_catalog_06_ion_section_120.pdf

- Test report scan copy for vacuum compatible isolators:
  test_report_scan_copy_for_vacuum_compatible_isolators.pdf