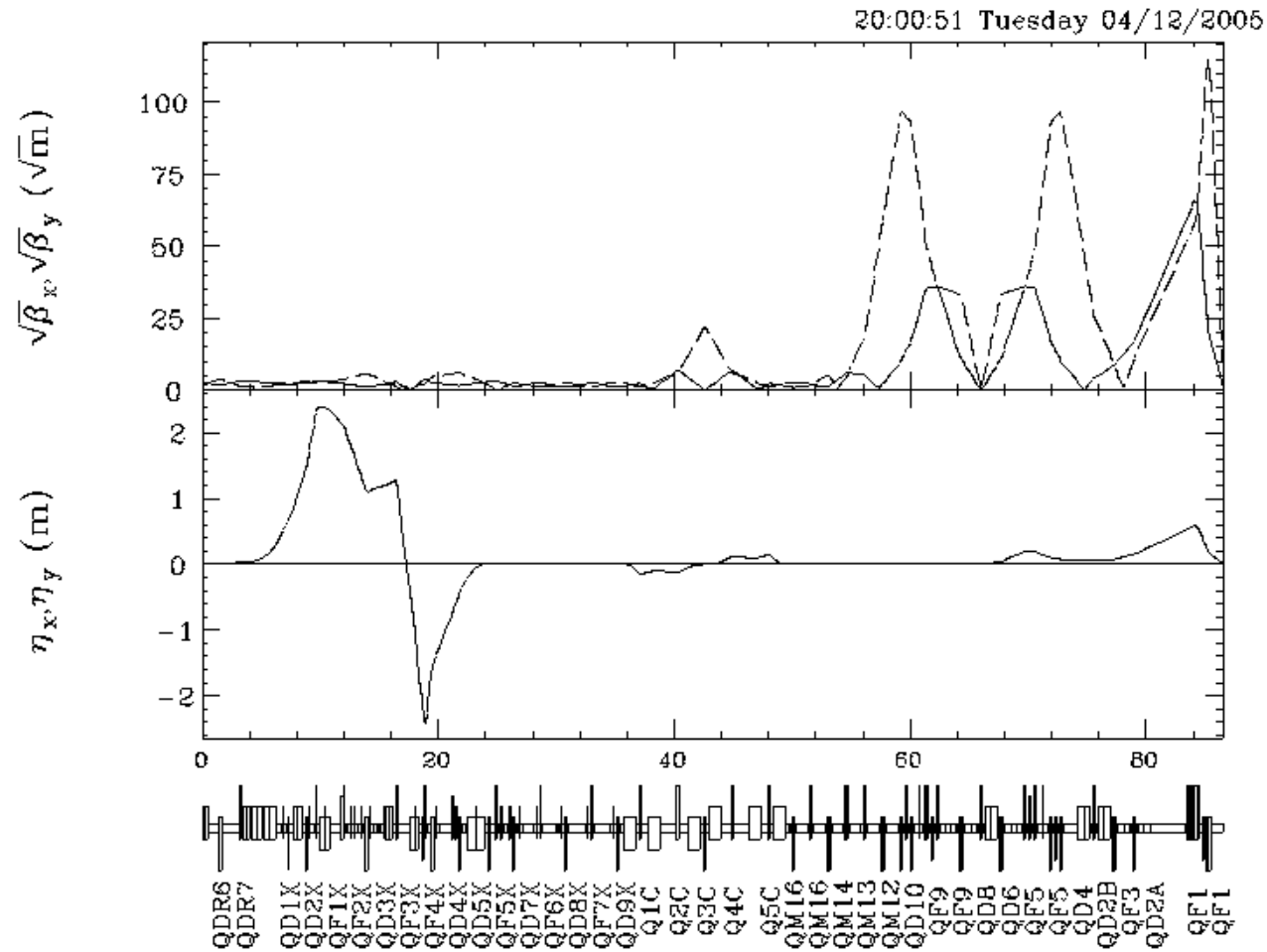


Baseline design of ATF2



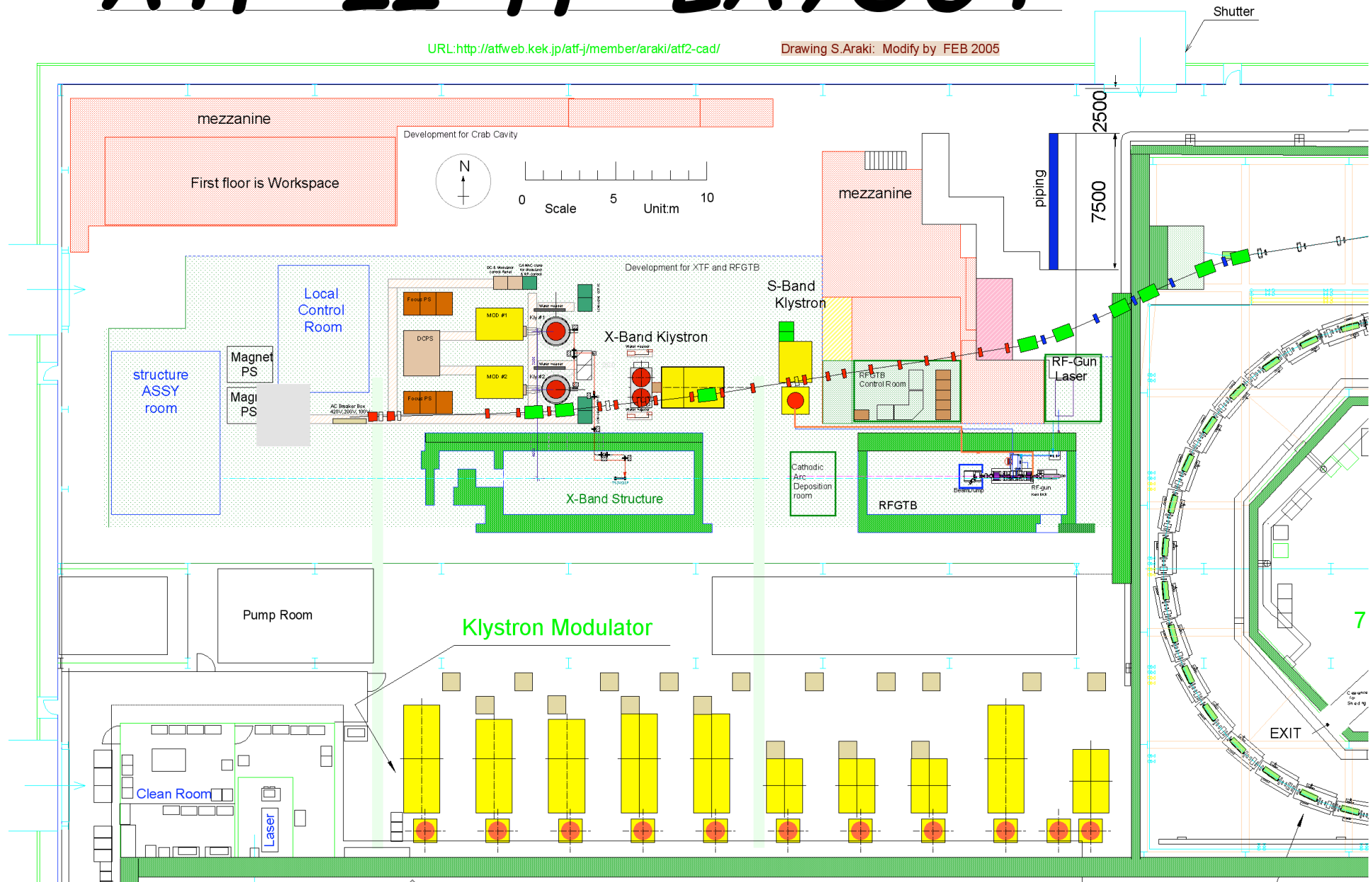
FF: $(\beta_x, \beta_y) = (4\text{mm}, 100\mu\text{m})$, #of B=3

$\delta = 0.1\%$, $E = 1.54\text{GeV} \rightarrow (\text{sig}_x, \text{sig}_y) = (2.15\mu\text{m}, 31.7\text{nm})$

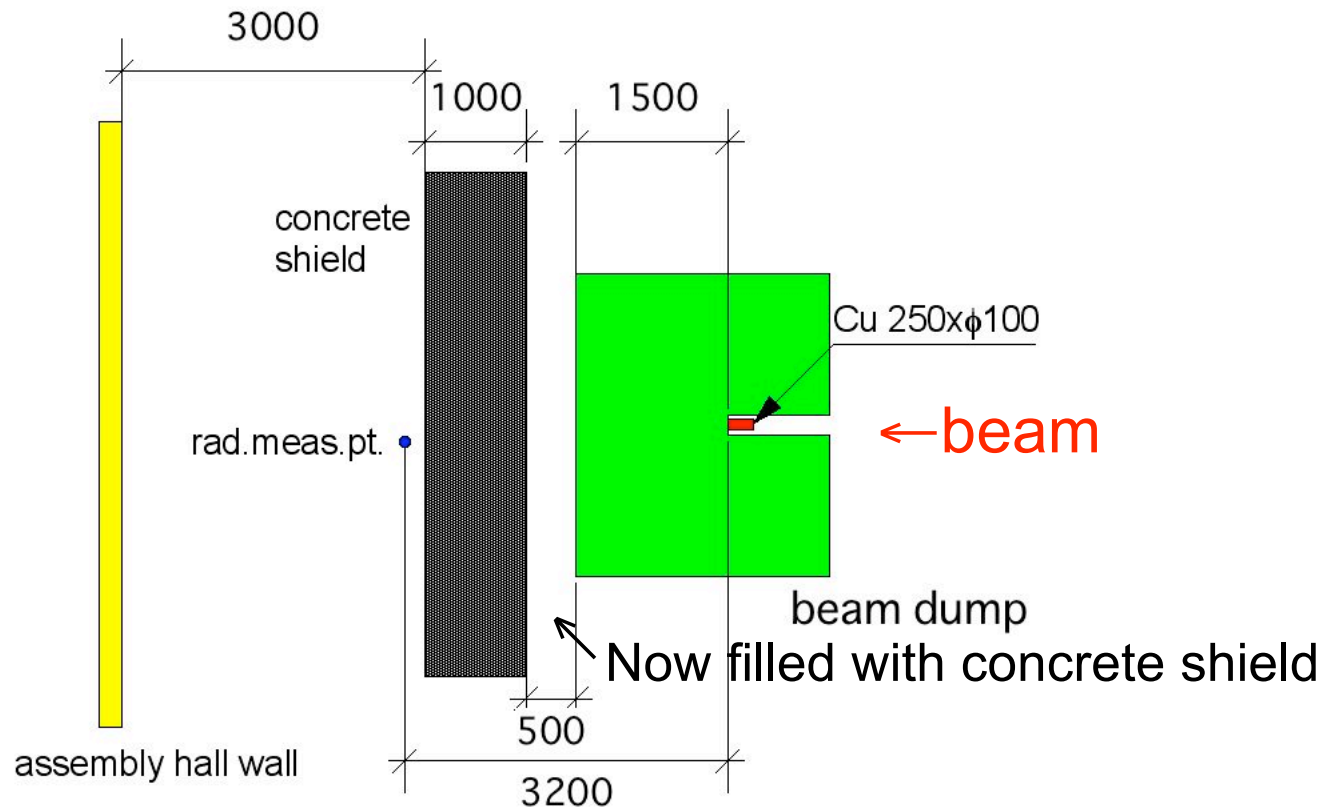
ATF-II-ff LAYOUT

URL: <http://atfweb.kek.jp/atf-j/member/araki/atf2-cad/>

Drawing S.Araki: Modify by FEB 2005



Geometry limitation



Crane limit: 3m from the wall

Present status of rad.: 0.25uSv 3.2m downstream of beam dump

Rough estimation $0.25 \times (3.2 / (3.2 + 3))^2 \sim 0.07 < 0.2 \text{uSv}; \text{OK}$

Recommendation: concrete shield of 2m thickness