ChipIR

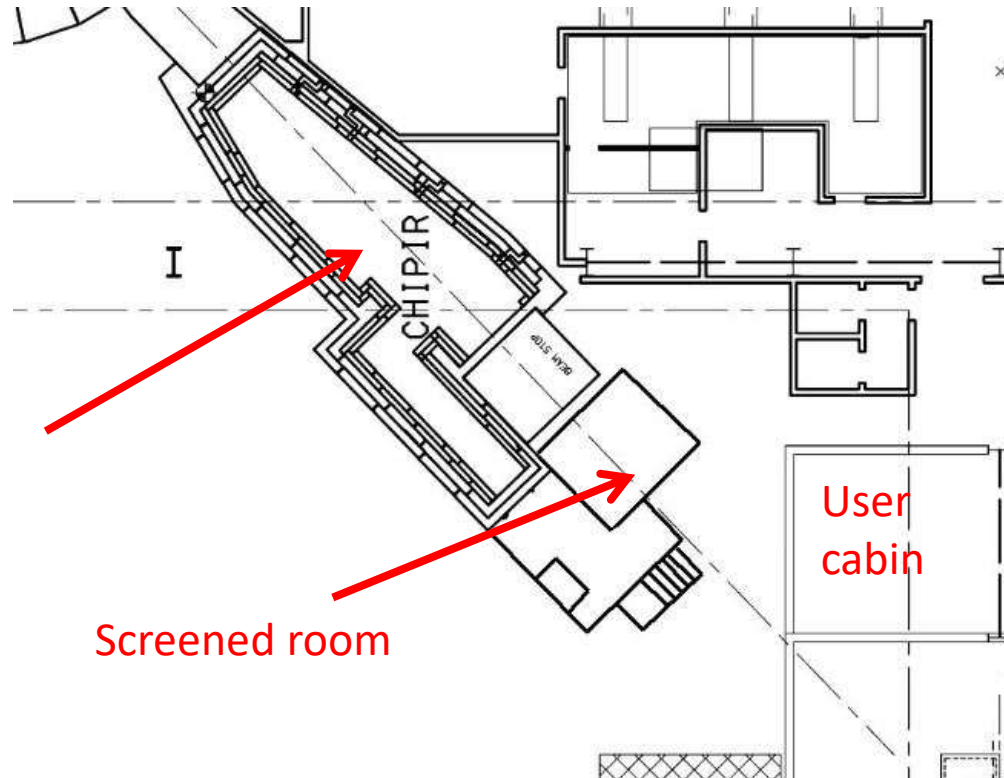

Block House
(neutron irradiation)

Screened room

User cabin

Block house = "irradiation room"

People (and support electronics) can stay in the "screened room".

There are many cables already running from the "irradiation room" to the "screened room": cat-5 cables, coaxial cables, serial, USB (we convert USB to cat5, and then back to USB). There is always the possibility to run your cable, in case you have any special cable requirement. In this case you need about 22 meters of cable, and we will need to lay it in the trunk under the floor (it would be about a 20 min job).

There is also another "user cabin" upstairs. That is a less noisy and nicer place for people to sit. There are Ethernet cables running from the "screened room" to the "user cabin". So if you need only Ethernet cables you can also choose to patch directly from the "irradiation room" to the "user cabin".
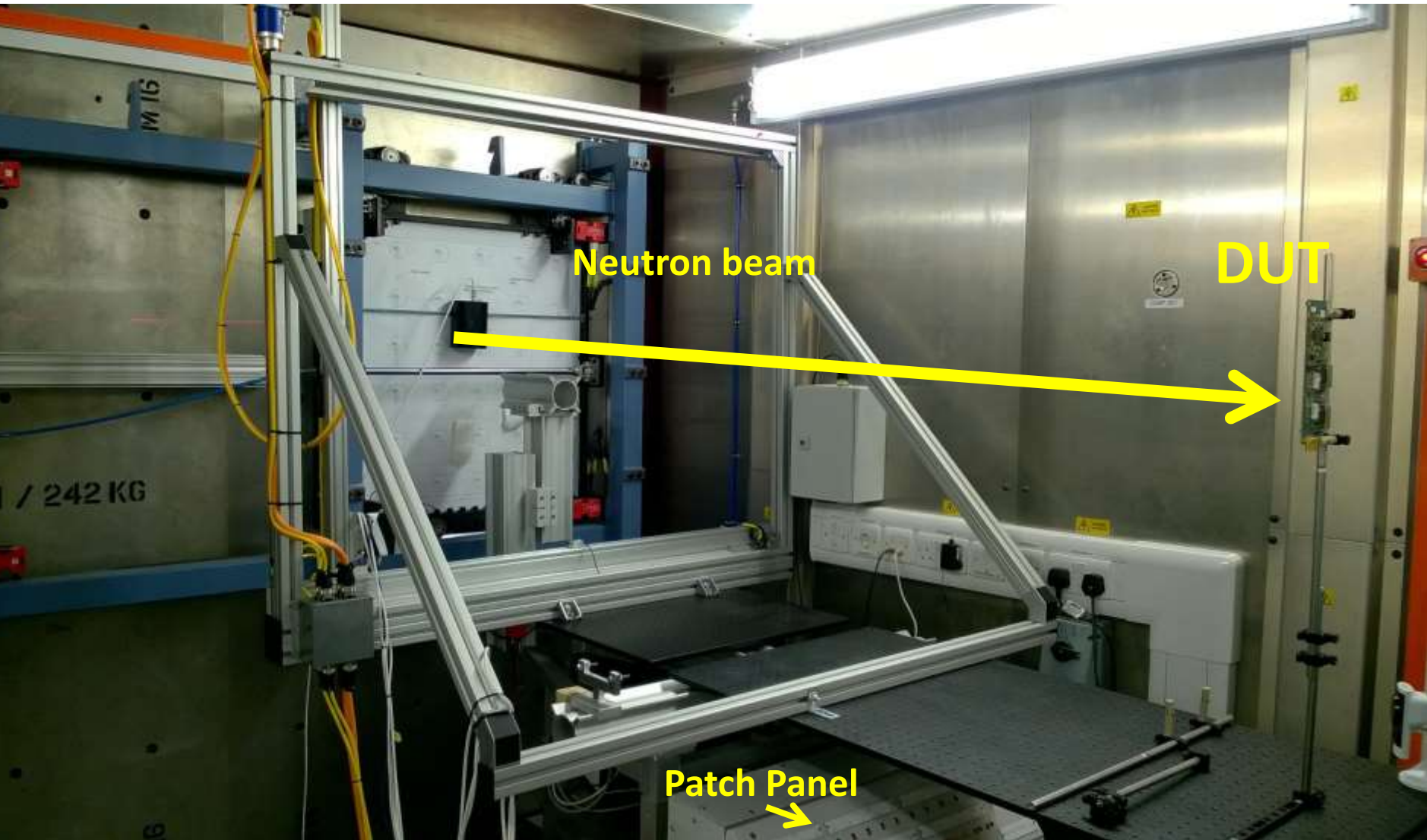
Irradiation room layout
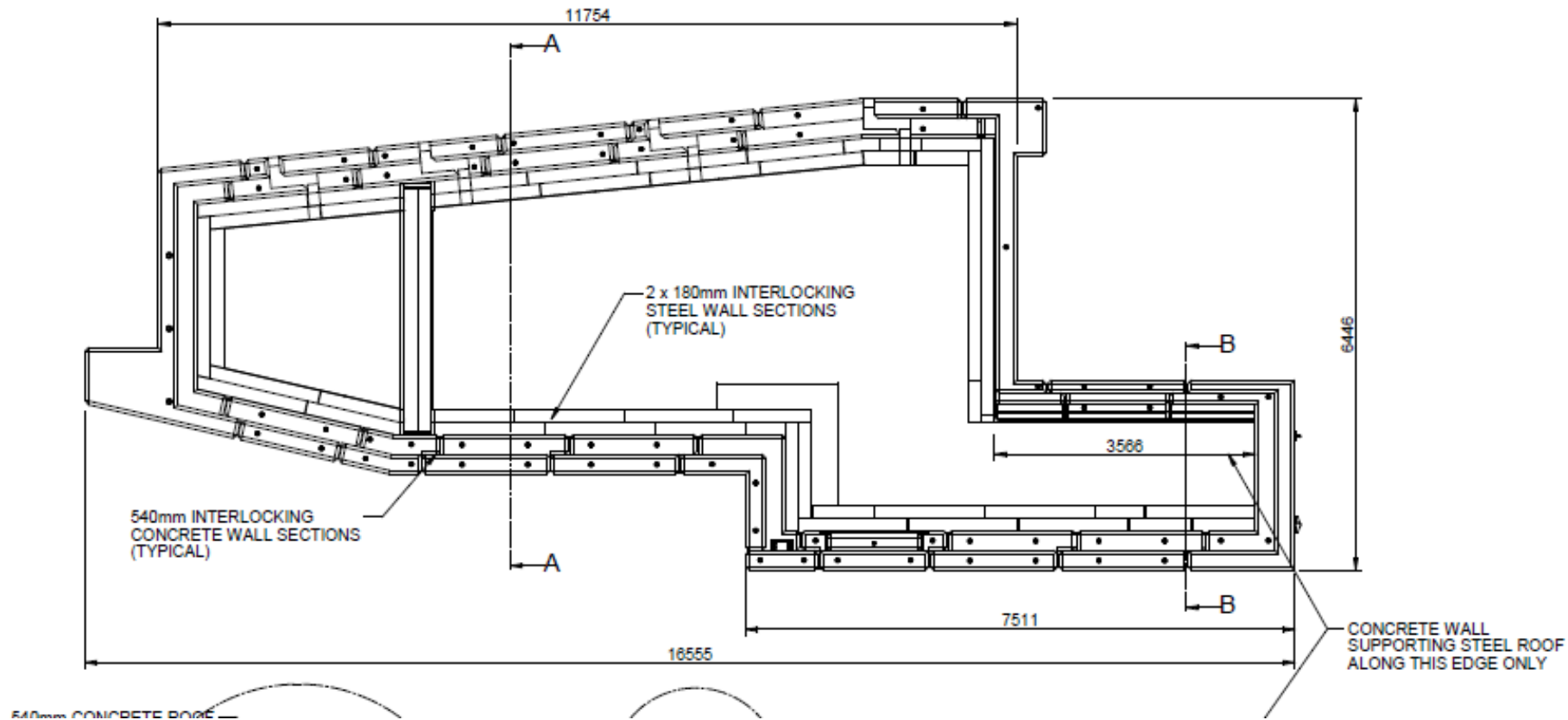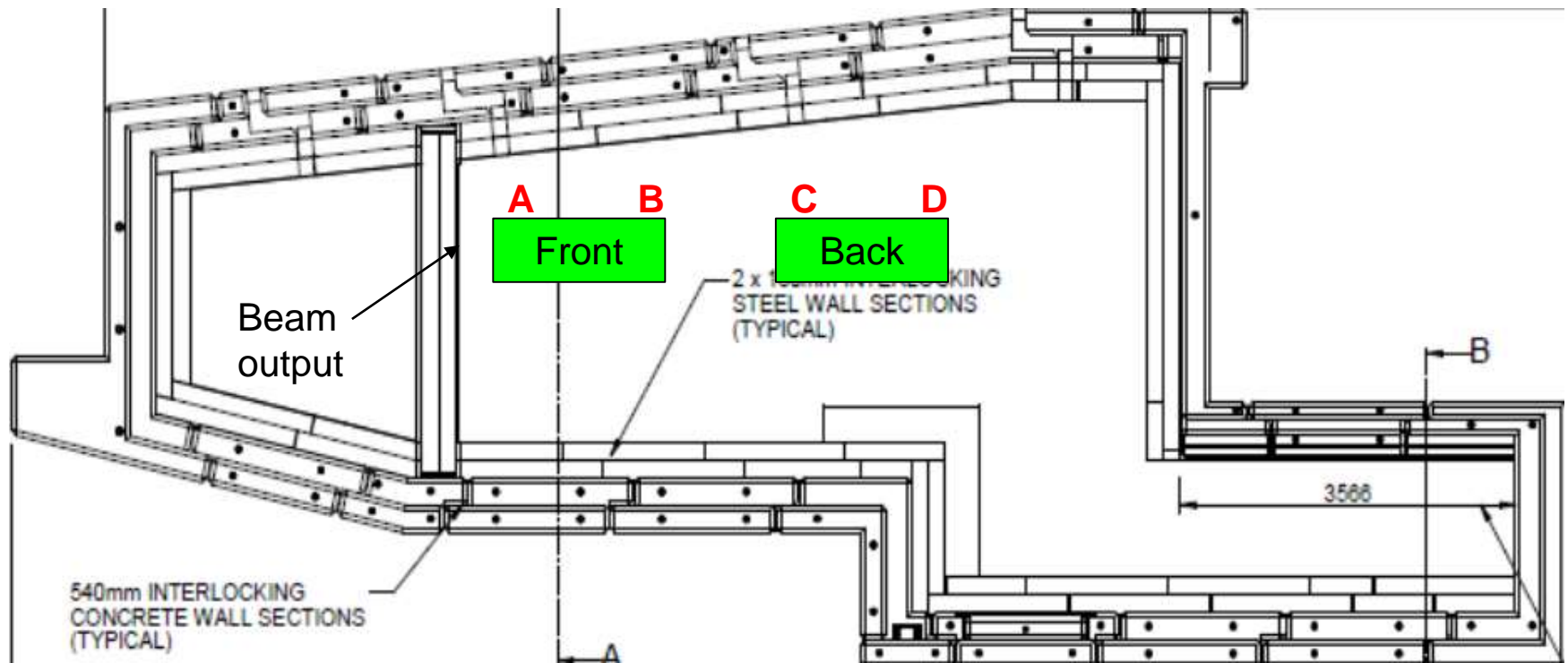
Position	A	B	C	D
Distance from beam output (cm)	10	110	320	440
Beam size (cm)	7	7.9	10	11
Flux (n.cm^{-2}.s^{-1})	5.4E+6	4.6E+6	3.57E+6	3.1E+6
Distance from Target (cm)	1010	1110	1320	1440

Irradiation room

Front irradiation position

Neutron beam

DUT

Patch Panel

Front patch panel (there is a second one at the back)