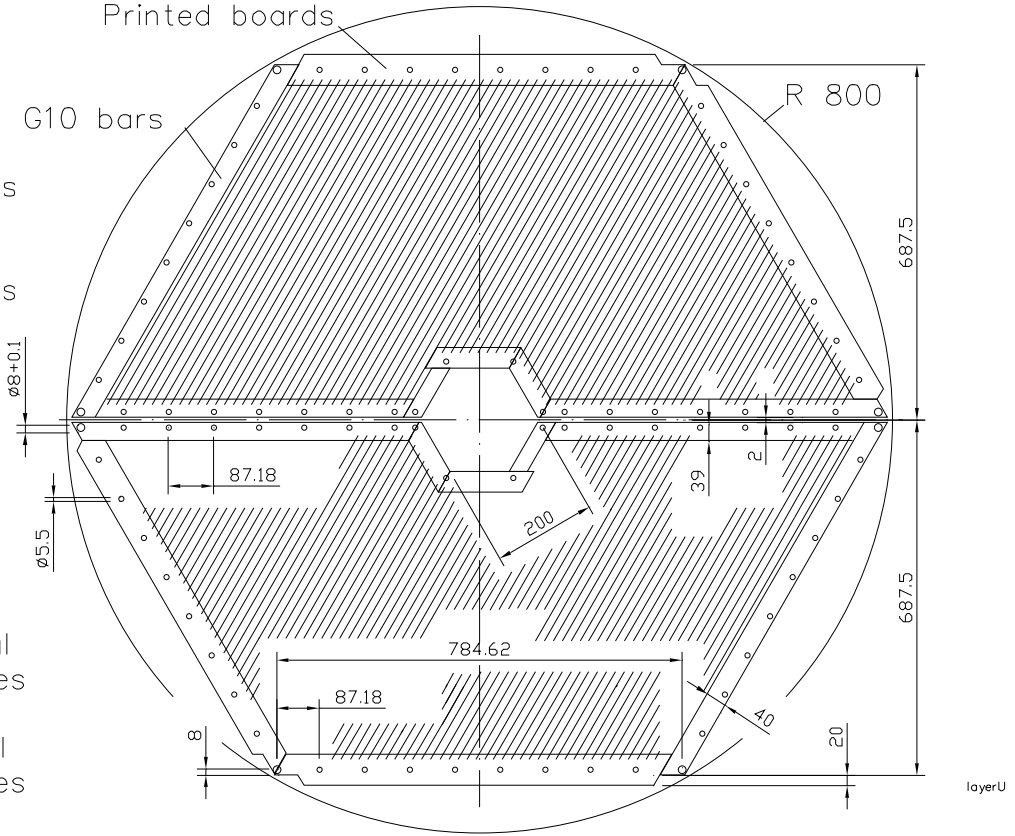
U upper

For U1:
500 wires in total
496 sensitive wires
For U2:
501 wires in total
497 sensitive wires

U lower

For U1:
500 wires in total
496 sensitive wires
For U2:
501 wires in total
497 sensitive wires