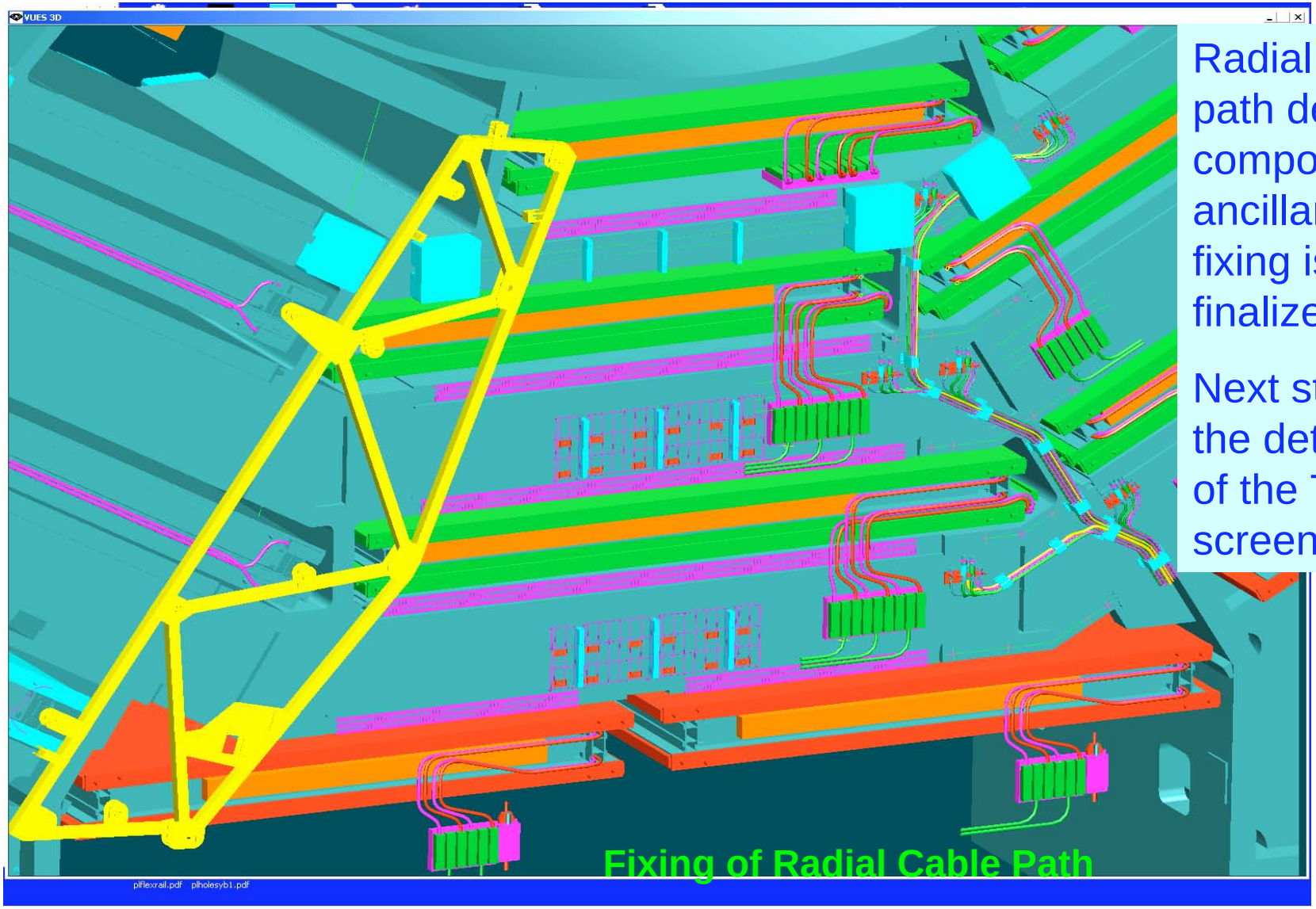
Muon Barrel Integration
Preparation of YBs Cabling

1. Radial cable tray
2. Periphery cable tray
3. Cables overlenght supports
4. Rack on towers
5. Cables chain rack patch panels integration

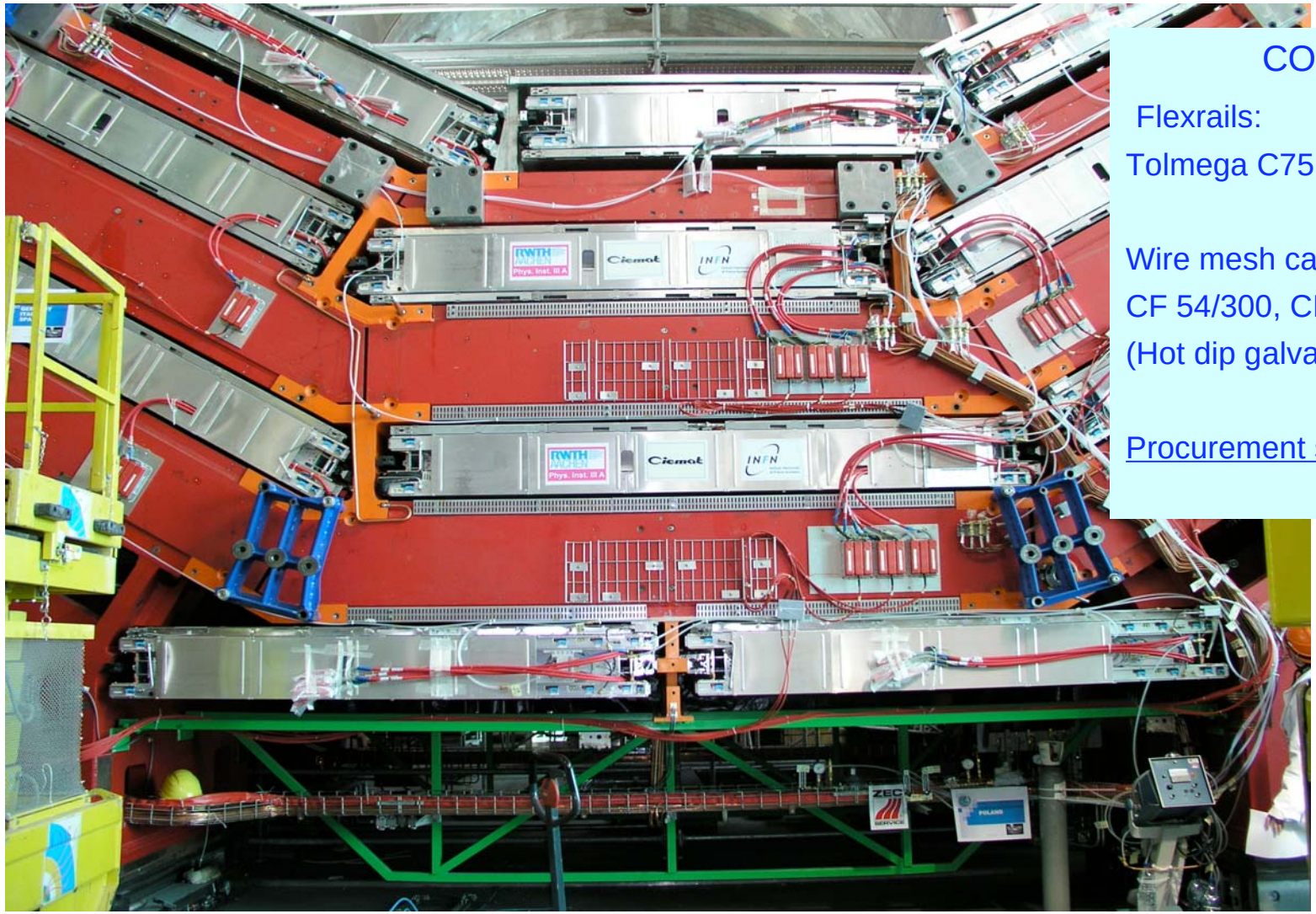
Radial cables path design



Radial cables path design of components and ancillaries for fixing is now finalized.

Next step will be the detail design of the Thermal screen cover

Radial cable path components



COMPONENTS

Flexrails:

Tolmega C75. Steel. Electrozinc

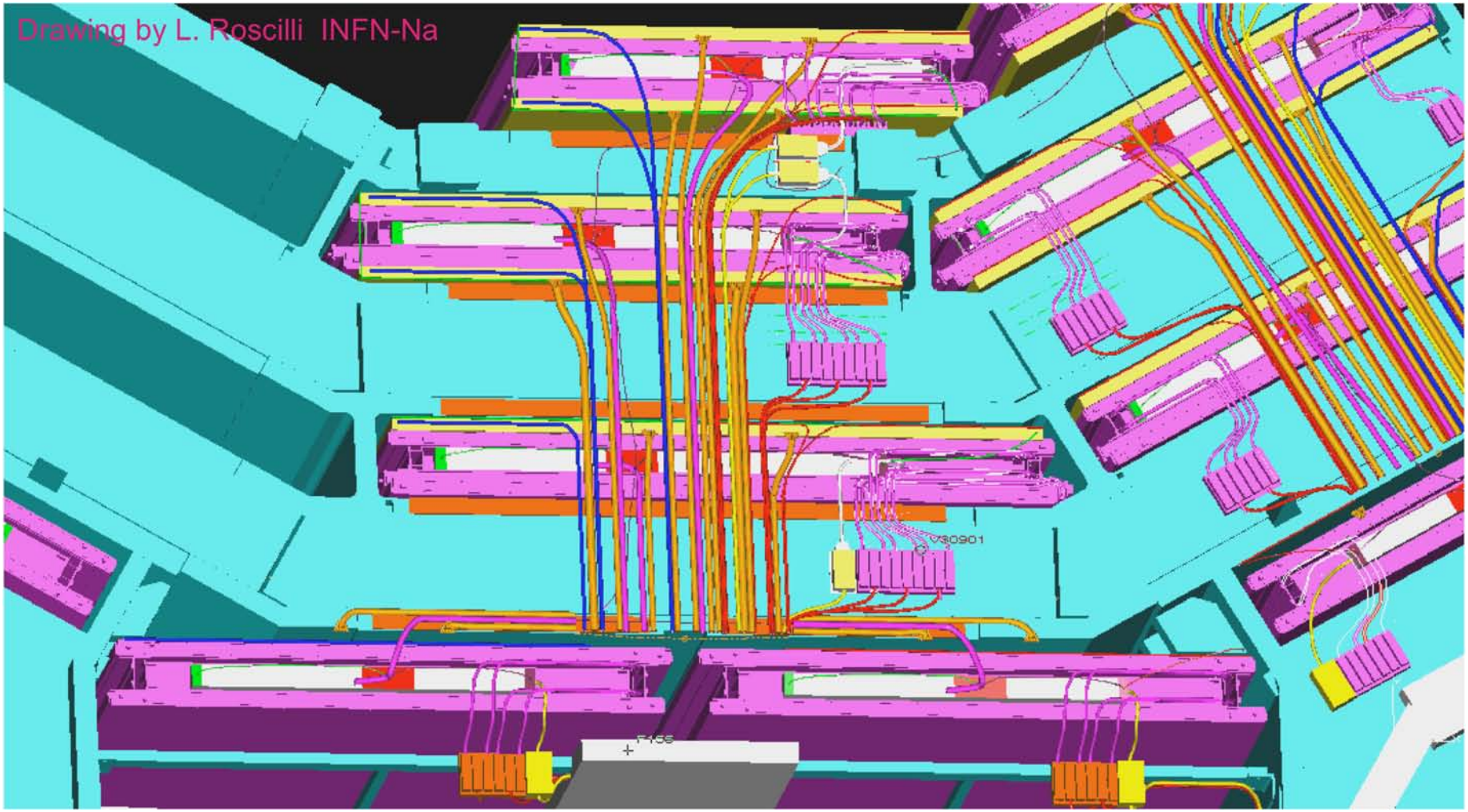
Wire mesh cable tray:

CF 54/300, CF 54/100. Steel. GC

(Hot dip galvanisation)

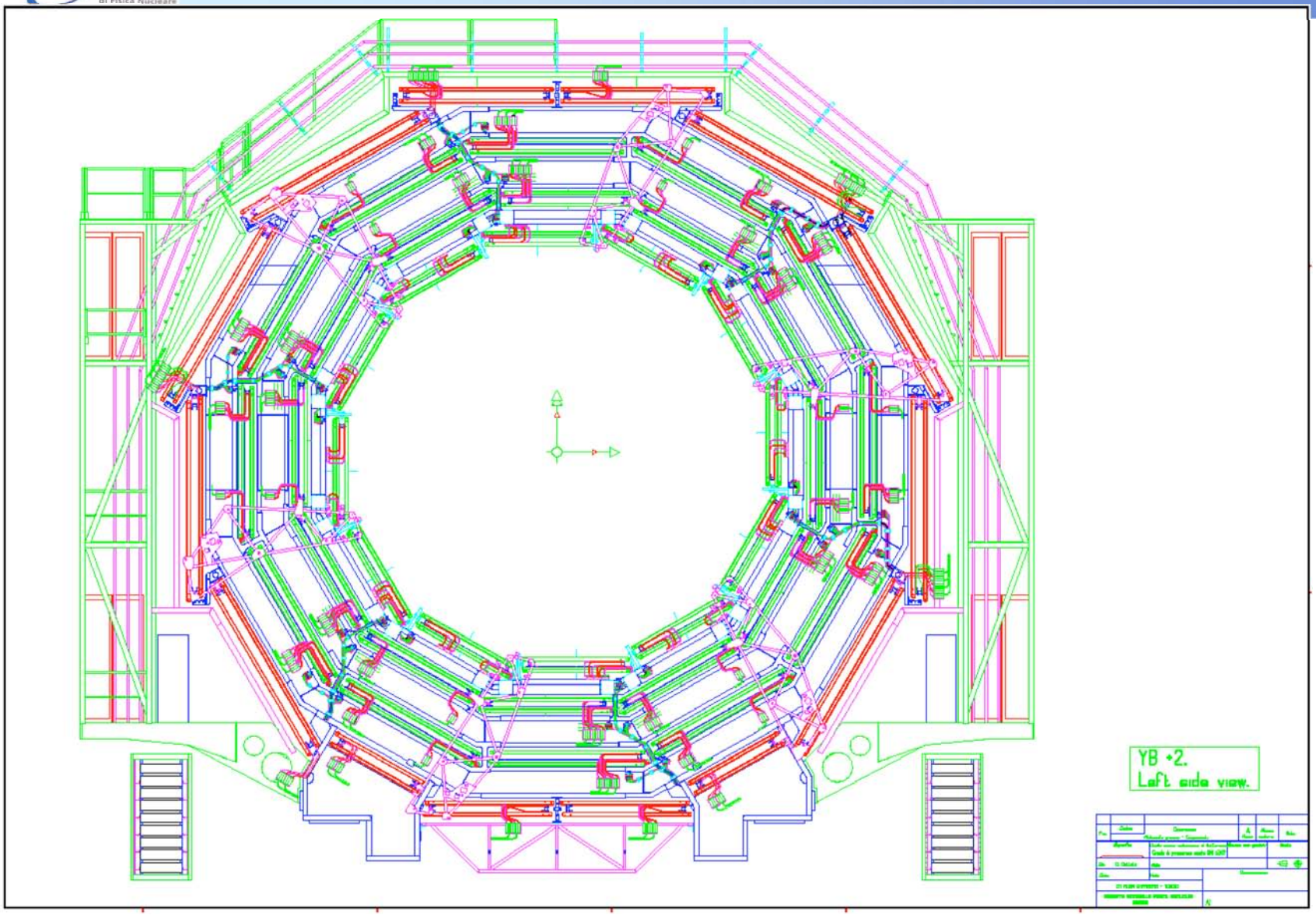
Procurement started.

Radial cables layout

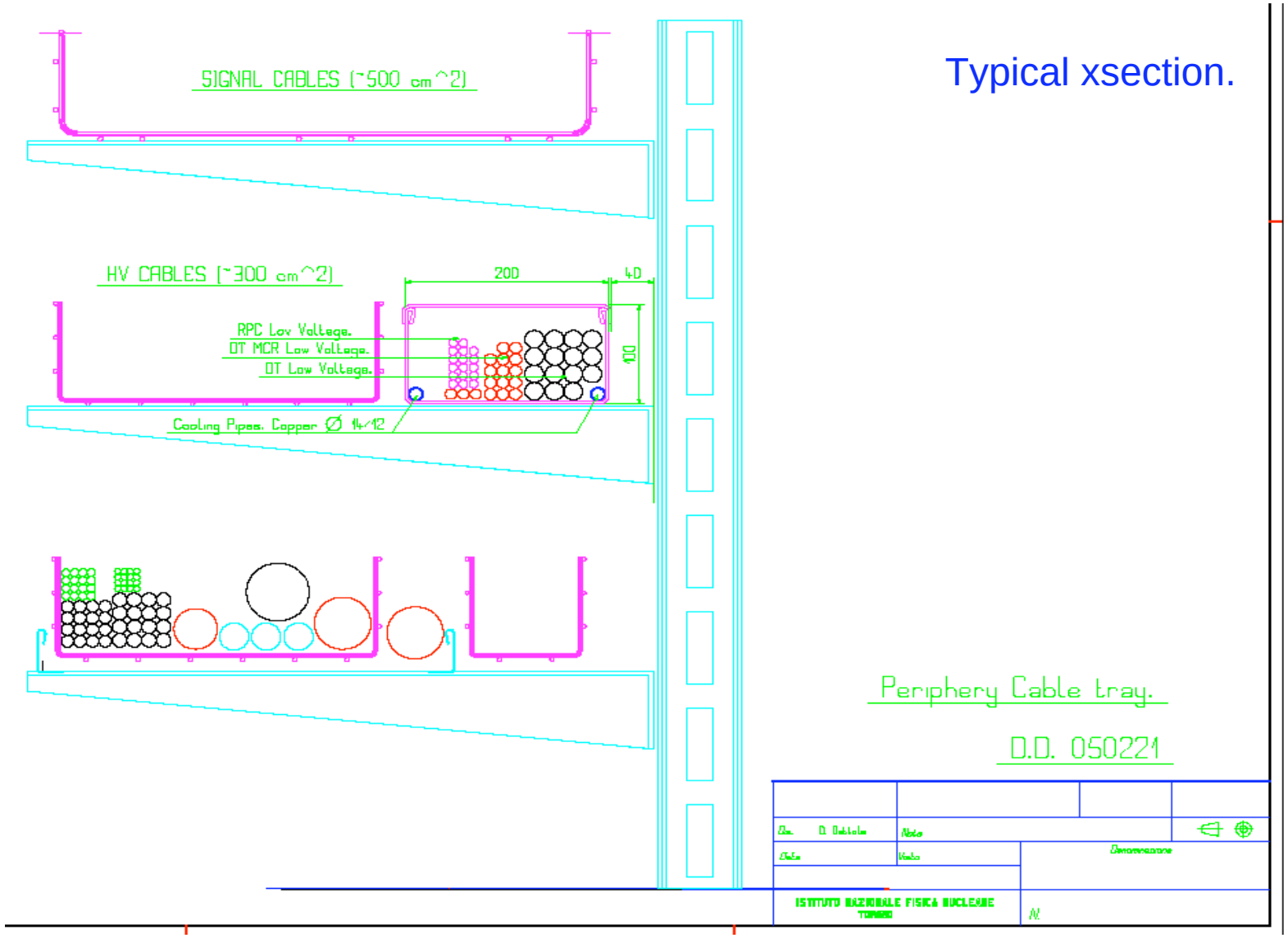


Radial cables length defined for all sectors

Periphery cables trays

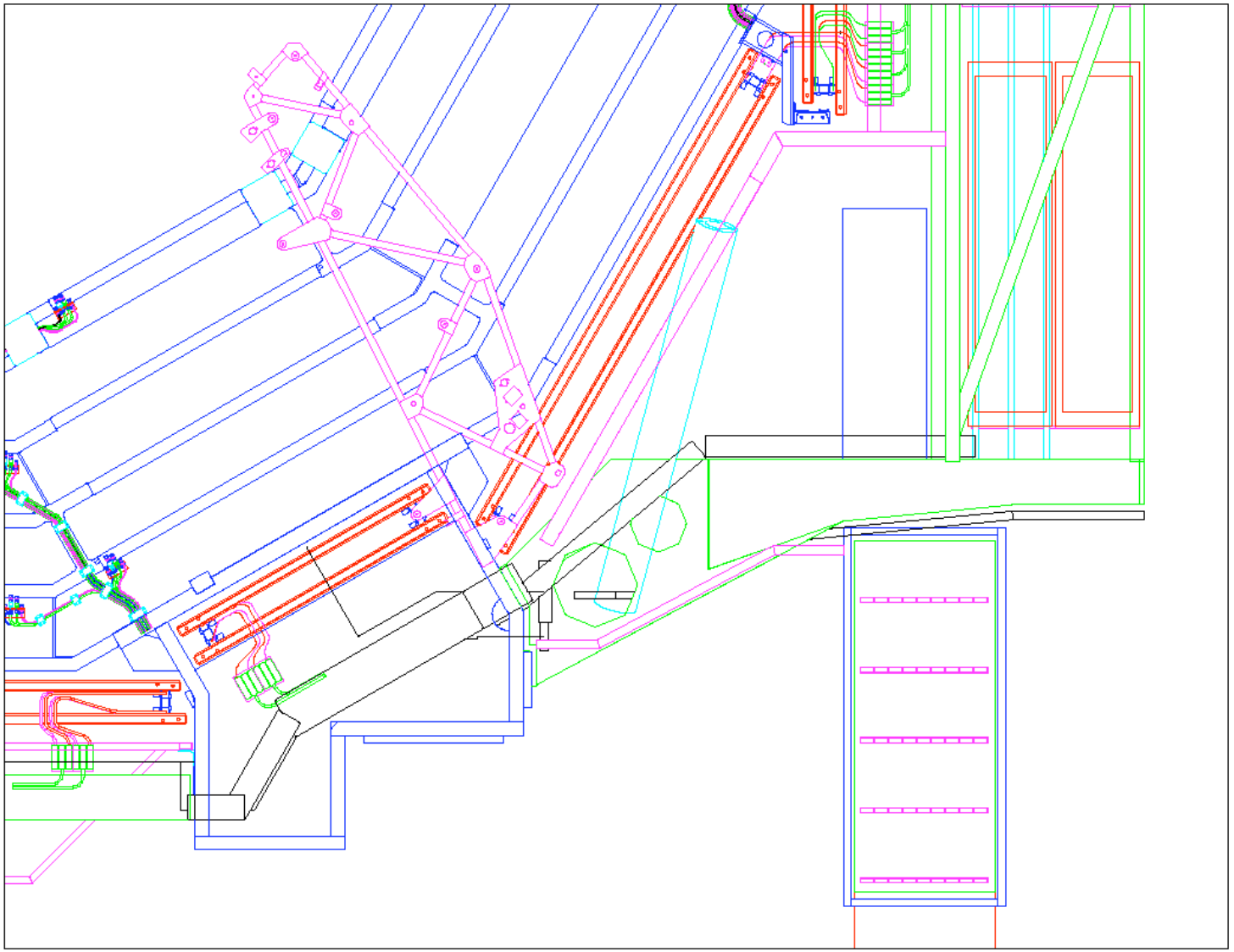


Periphery cables trays xsection

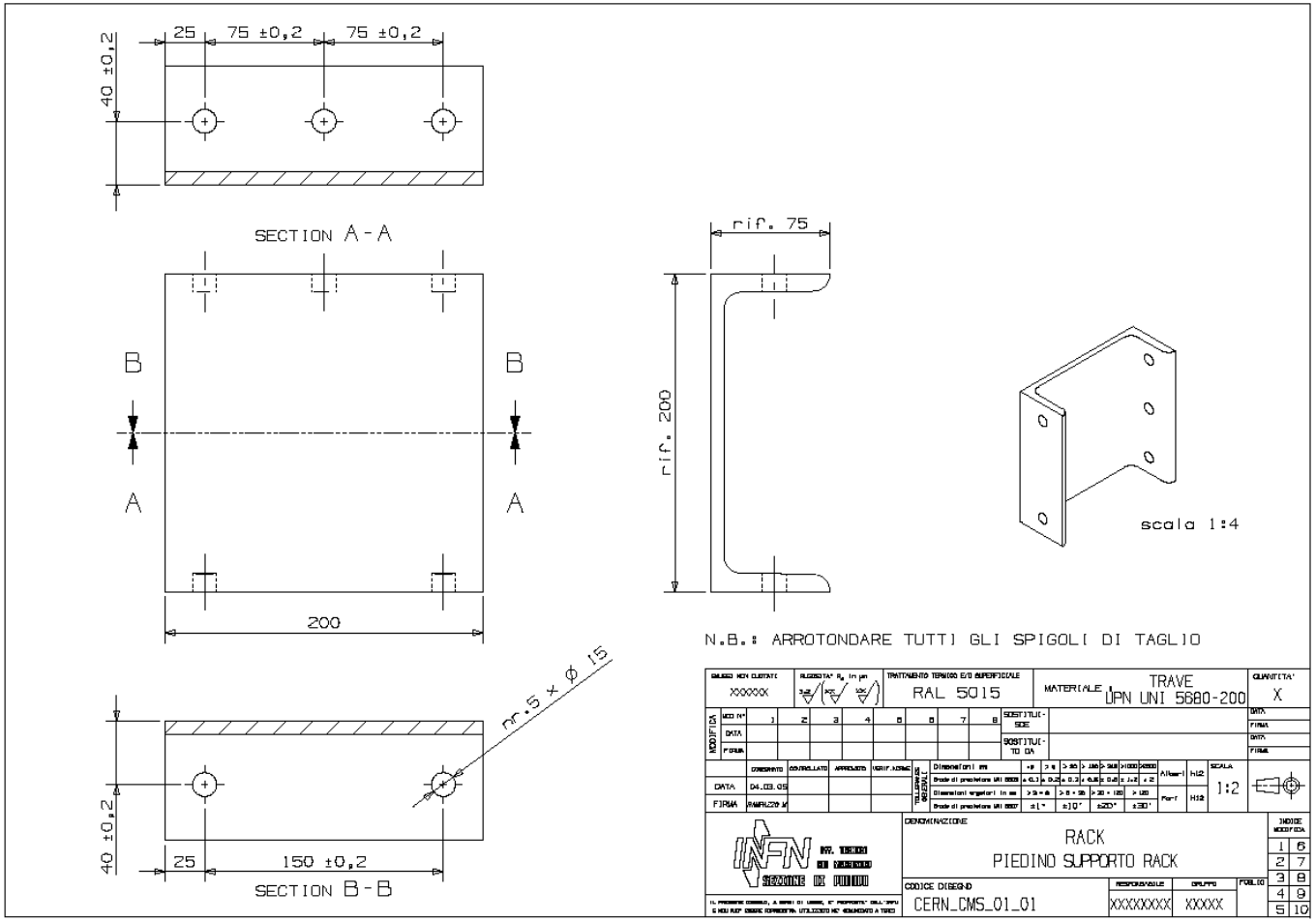


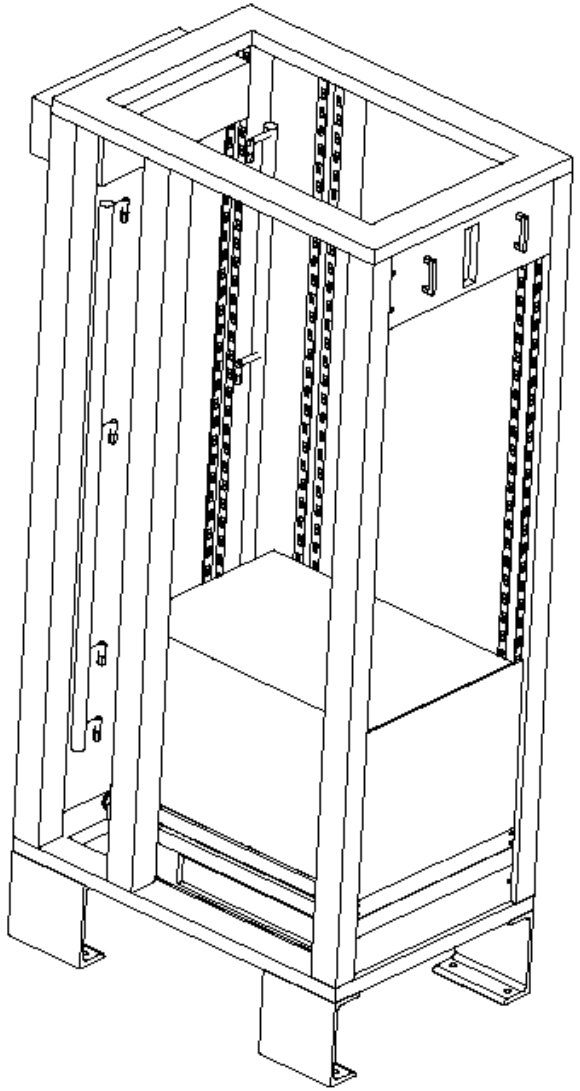
Typical xsection.

Racks on diving board
I



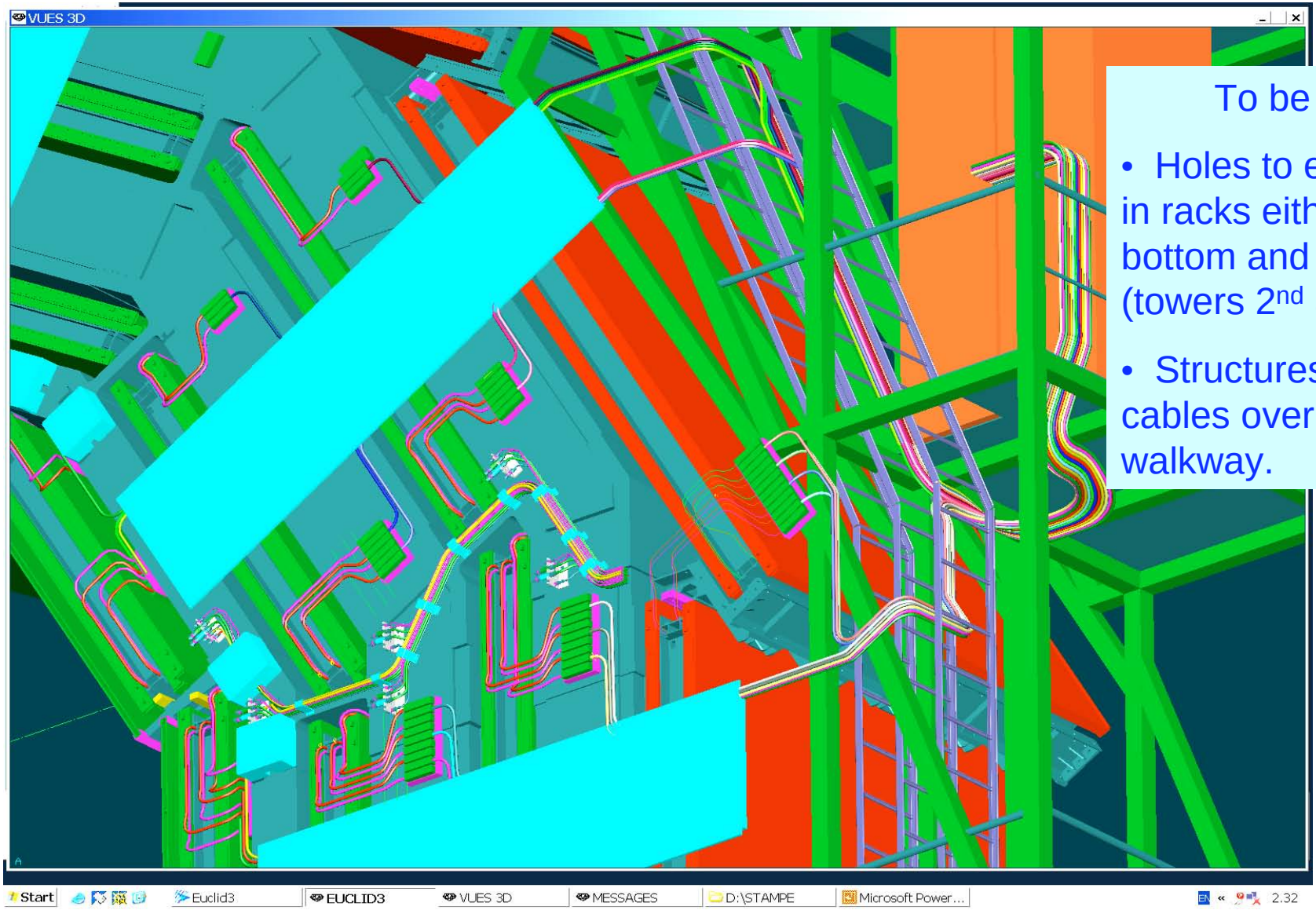
Racks on diving board
II





Drawing by M. Rampazzo INFN-Pd

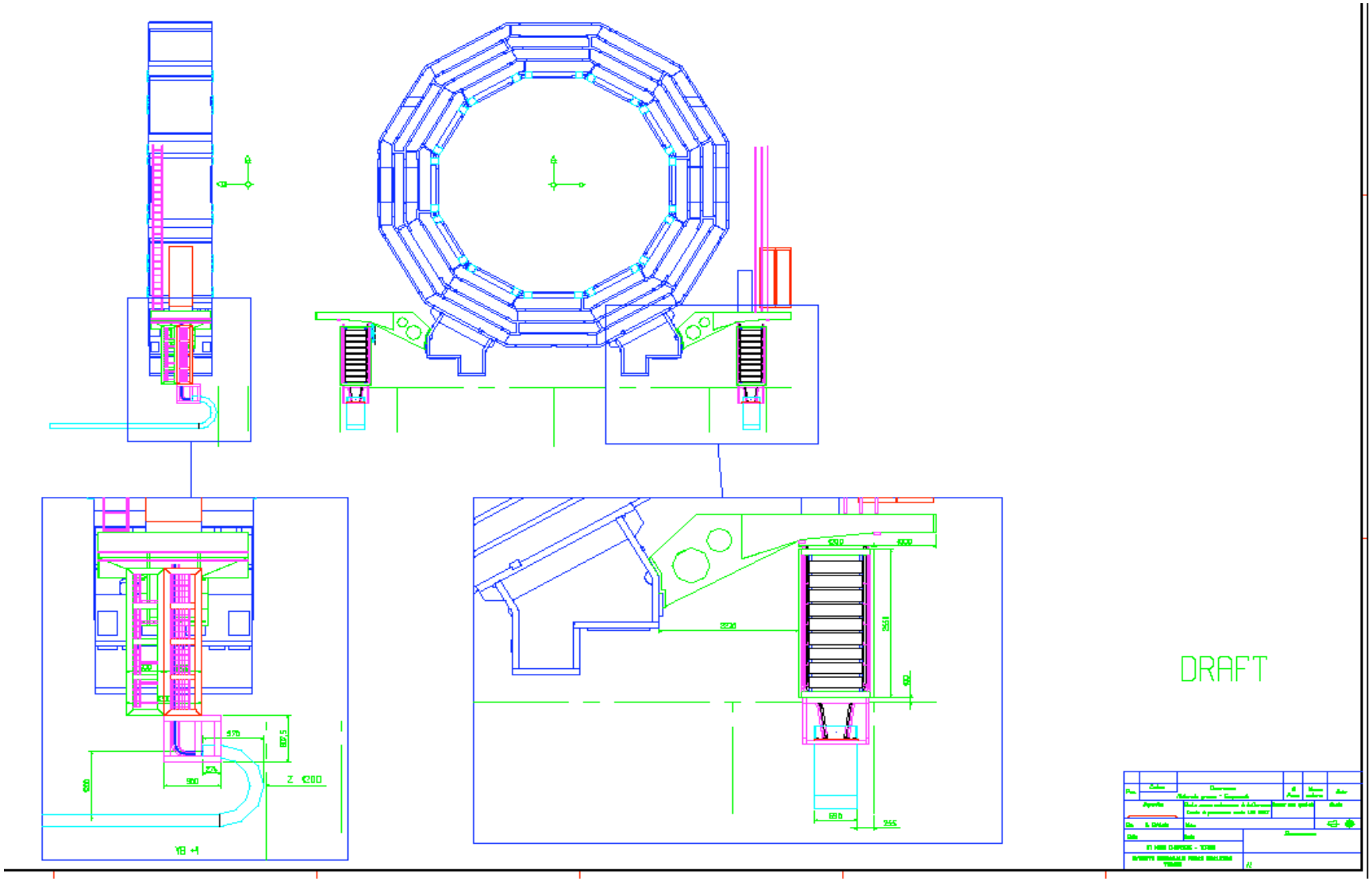
Racks on the towers



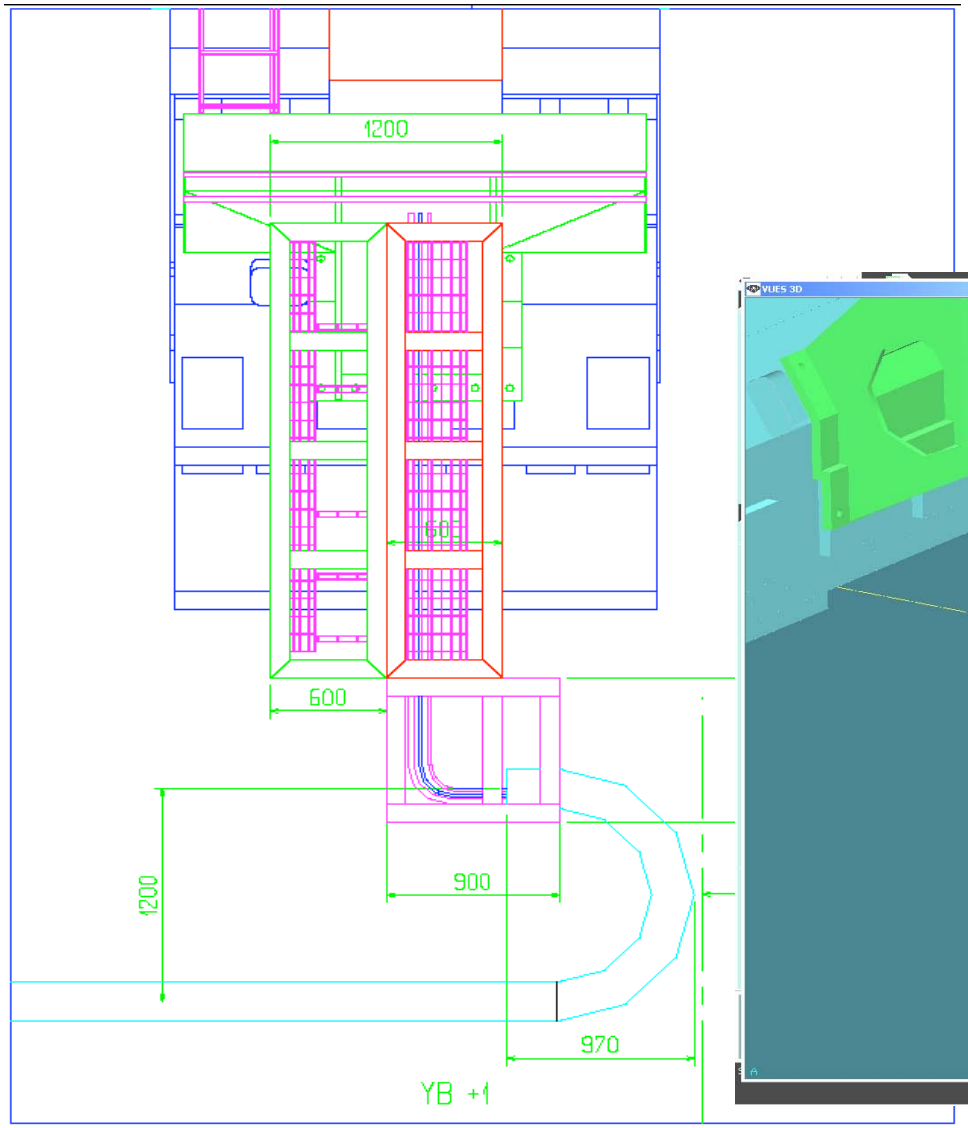
To be detailed:

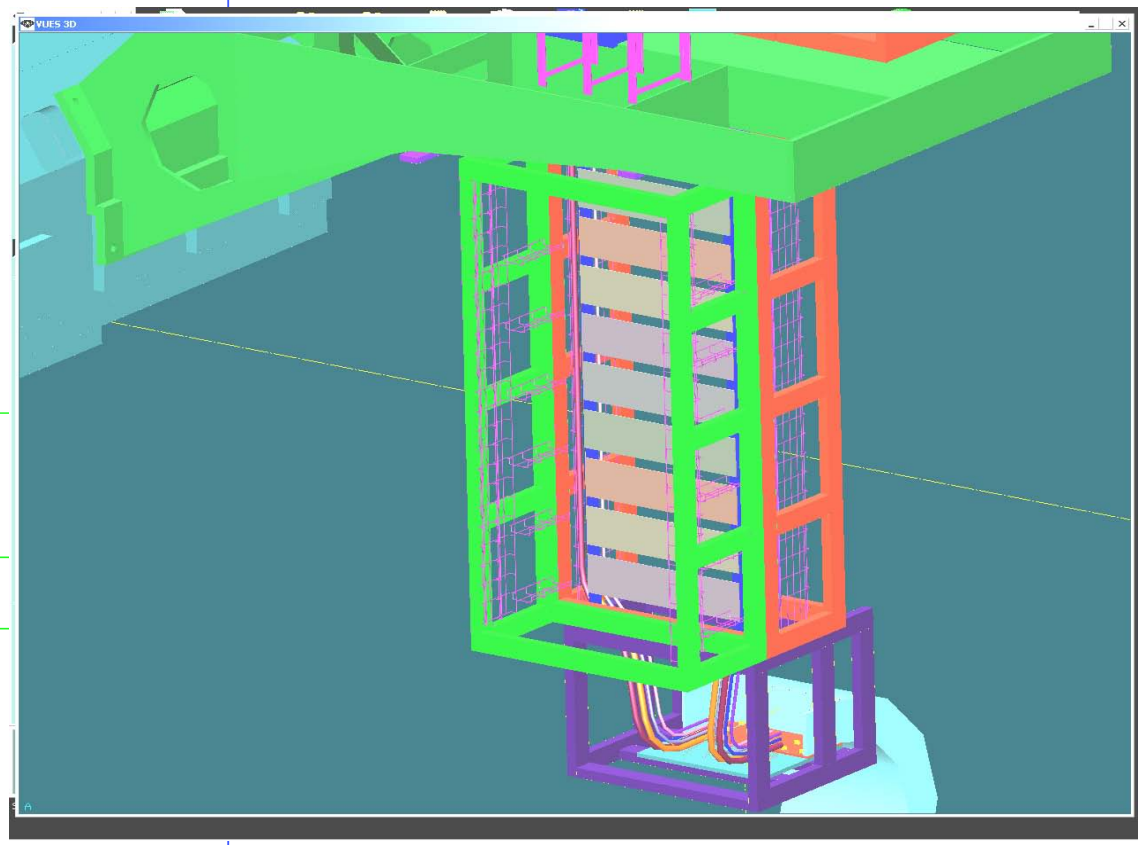
- Holes to enter cables in racks either from bottom and top side (towers 2nd and 3rd floor).
- Structures to store cables overlenght on the walkway.

Cables chain patch panels racks integration I



Cables chain patch panels racks integration II





Cables chain patch panels racks integration III