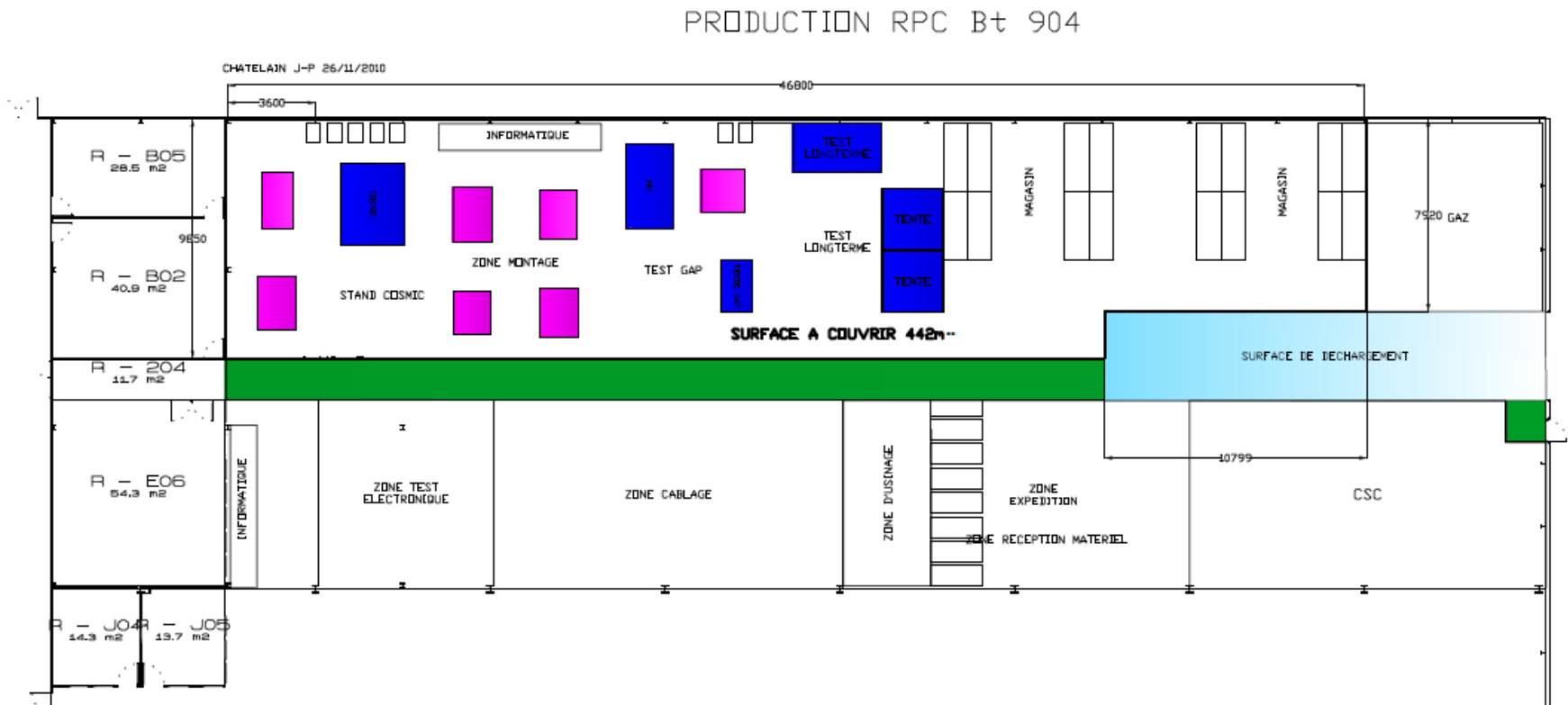


RPC Lab BG 904

- Dimensions approx 47m x 9.6m giving 450m².
- The requested temperature window is 20deg +/- 2deg and a hygrometry of 45% +/- 5%



RPC lab requirements

1. T is 20C +/- 2C and relative humidity is 40% +/- 5%. **Need to know from GS... Insulation parameters.**
2. Internal separation between workshop and storage? **Both areas = controlled T & H?**
3. 2x2m telescopes, tables and tools.
4. Control of T and RH, no specific clean class needed.
5. Max ceiling height 4m (check G.Duthion).
6. Crane clearance 200kg max inside the closed RPC room.
7. Movement of chambers grouped in modules (each module has 2 chambers) + manipulation of large boxes 4x 1.5* 1.8 m.
8. Entrance door must be large enough to permit entrance/exit large modules 5 x 1 m *1.8.
9. Safety, doors, windows, SAS?.

Safety considerations

For claddings and sandwich panels used in metallic constructions, the following CERN rule shall be applied:

1. Safety Note SN 29 - Fire Prevention for Insulating Core (Sandwich) Panel Structures for Inside Use Guidelines For Selection, Installation and Use.
2. Other ancillary work (roofing, glazing, sanitary blocs etc.) shall be evaluated case by case in the design phase of the project.
 1. Lifting and handling equipment
 2. HVAC systems
 3. Pressurised equipment
 4. Electrical equipment
 5. Fire protection
 6. Ergonomics

Purchase of RPC Lab

1. Estimated amount between 10'000 and 200'000 CHF
2. A **Price Enquiry** will be launched by the Purchasing Service in collaboration with the technical party (or via the CERN contract Iniziative Industriali S.r.l. D.Parchet GS).
3. A minimum of three firms shall be contacted.
4. If the estimated amount is **above 50'000 CHF**, you must create a [departmental request](#) in [CFU](#). Further information regarding departmental Requests can be found [here](#).
5. For further information about Price Enquiries, you should click [here](#). The DAI will normally be made after the closure of the Price Enquiry when all the results have been collected.
6. If competitive tendering is impossible, you should write a [justification](#) and send it to your department's Purchasing Office ([list of buyers](#)).