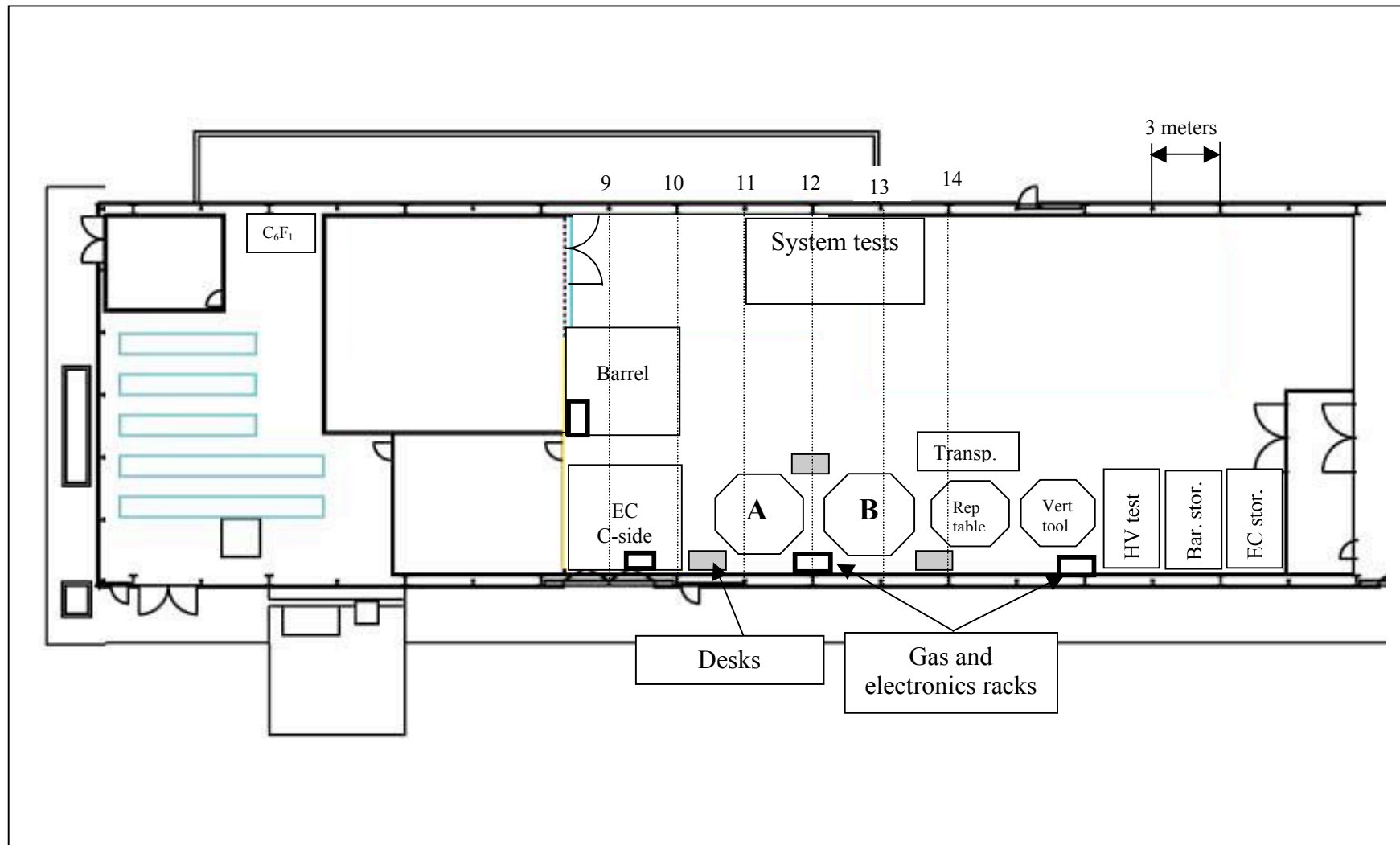
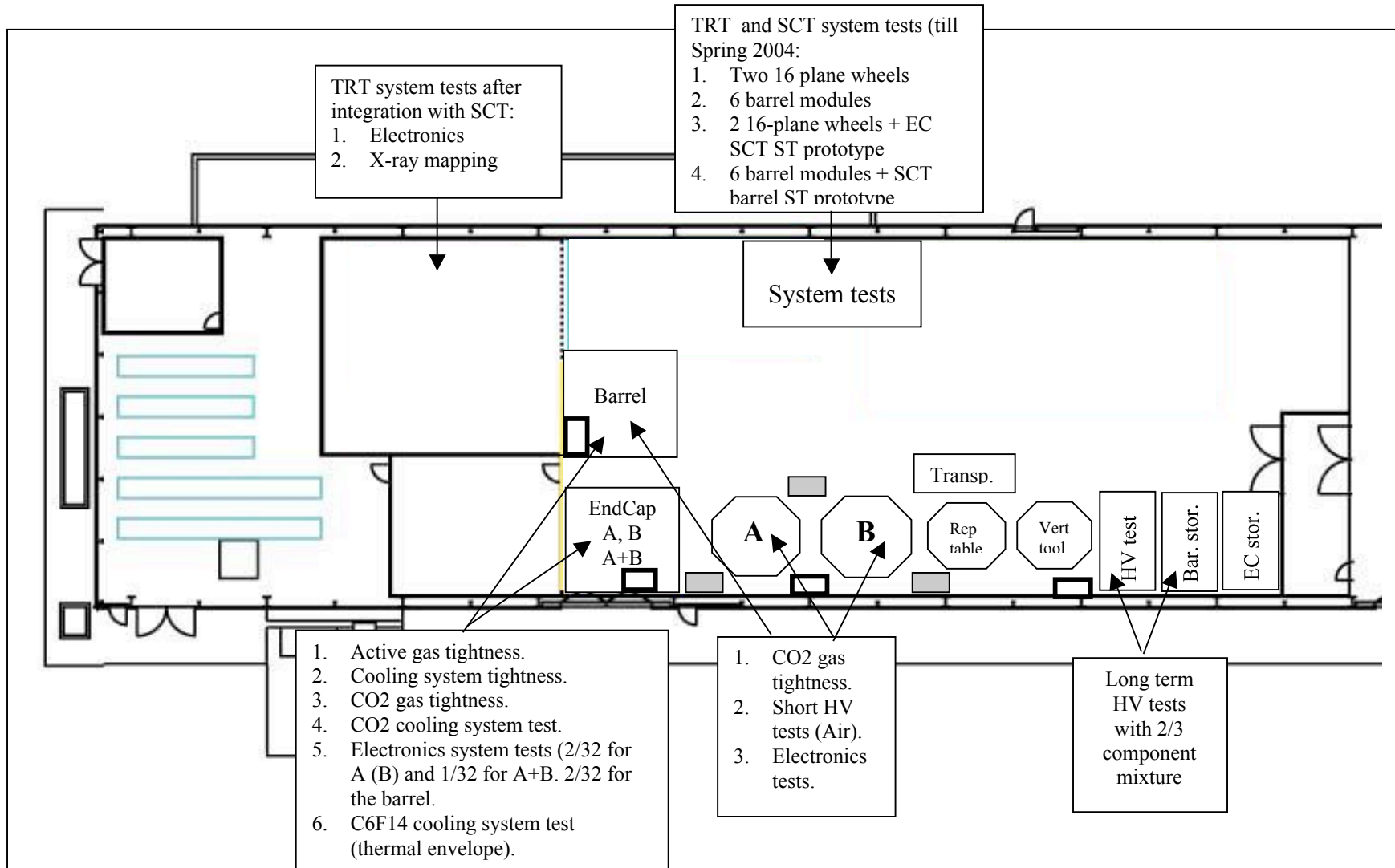


# TRT services in SR1 building

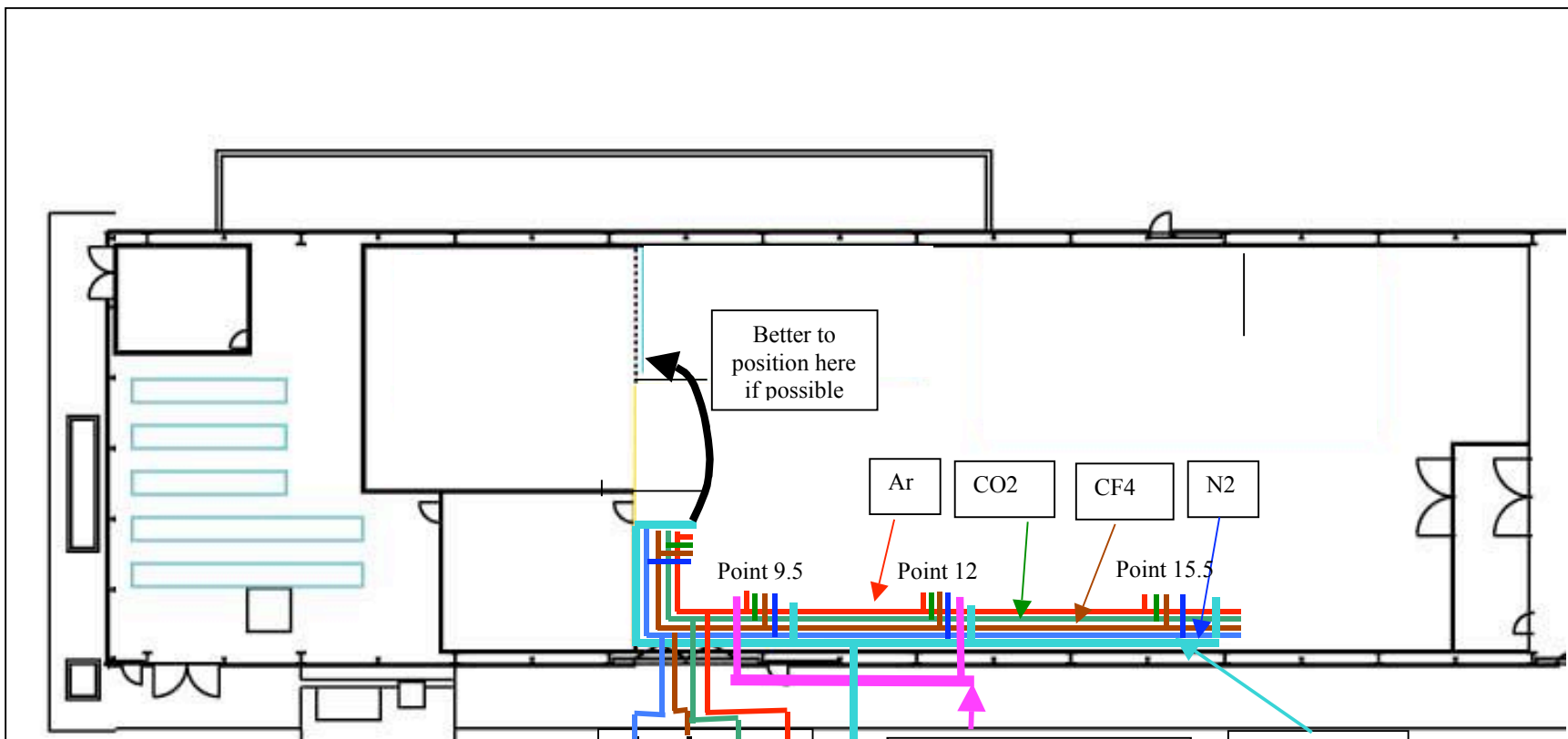
Main TRT activities till mid 2004



## Tests to be performed



# Gas



**Gas Pipes:**  
Ar, CF4, CO2, N2  
OD = 6 mm, ID = 4mm  
Stainless steel 316 low carbon,  
Cleaned,  
Connector type: Swagelok

Gas storage  
with gas bottle  
batteries

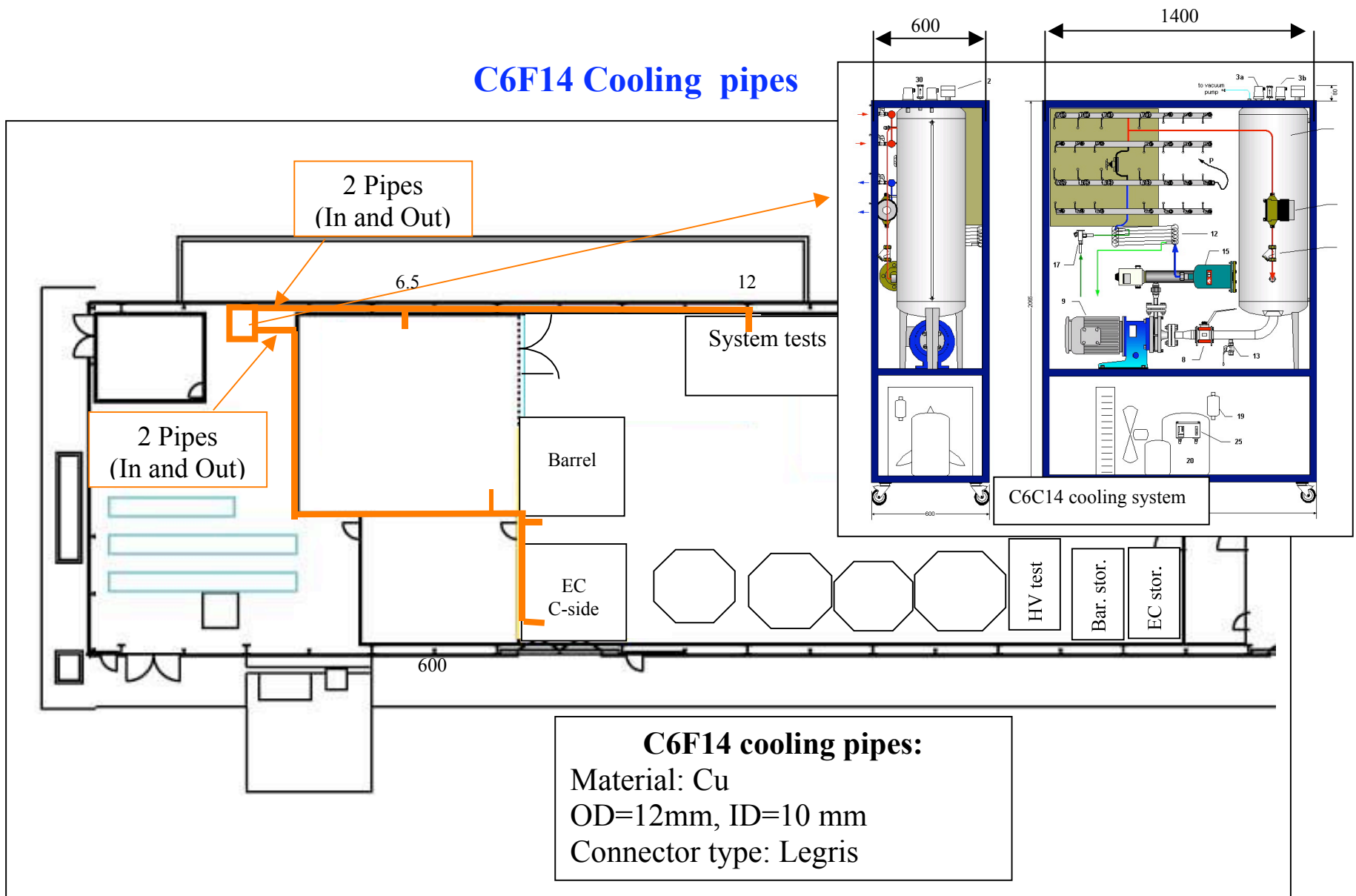
Filtered compressed air

**Compressed air pipes:**  
Cu, Al ...  
ID=16 mm  
Connector type FBO (?)

Exhaust pipe

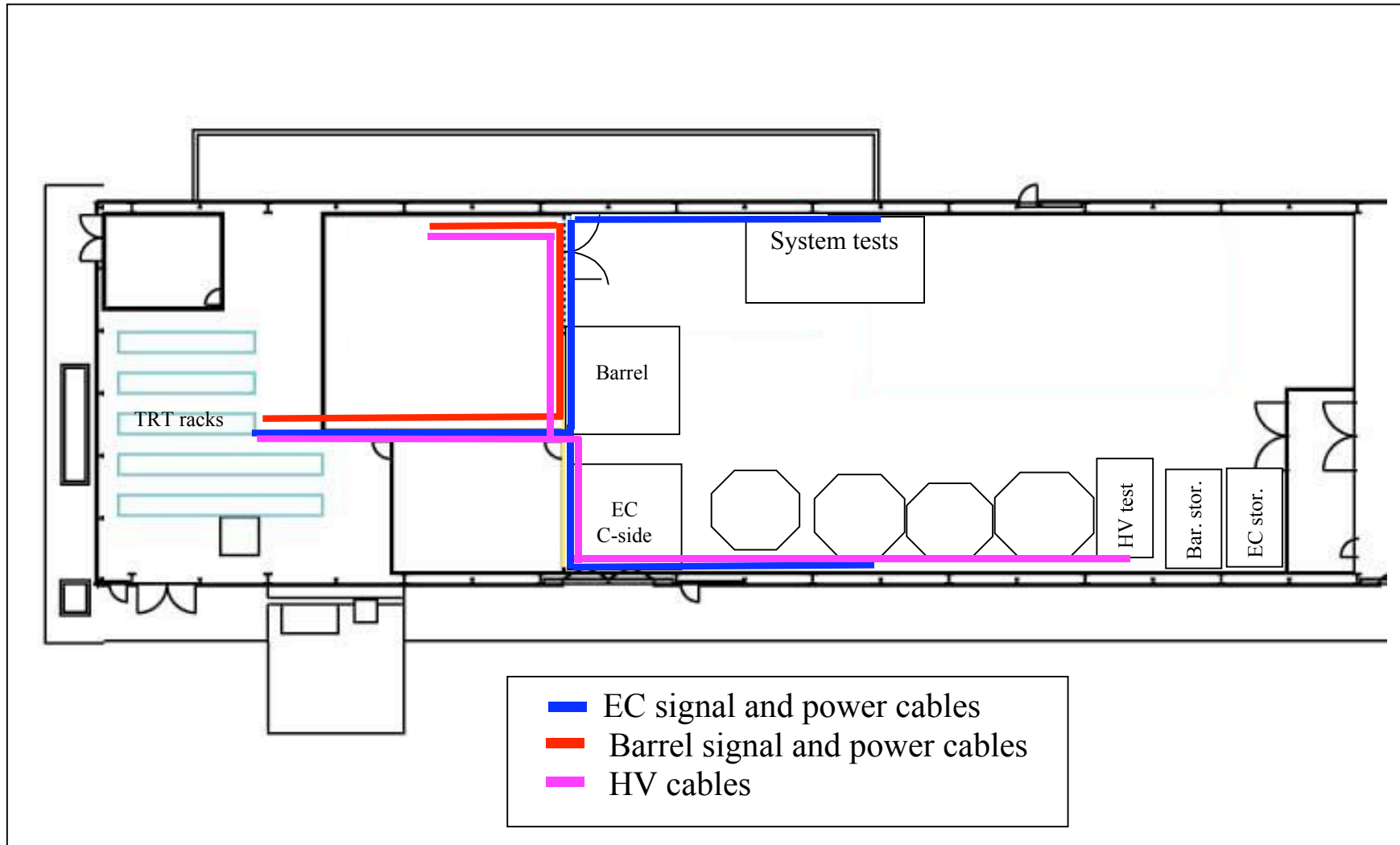
**Exhaust pipe**  
Cu,  
ID=14 mm  
T to 6/4 mm pipe  
Connector type:  
Legris

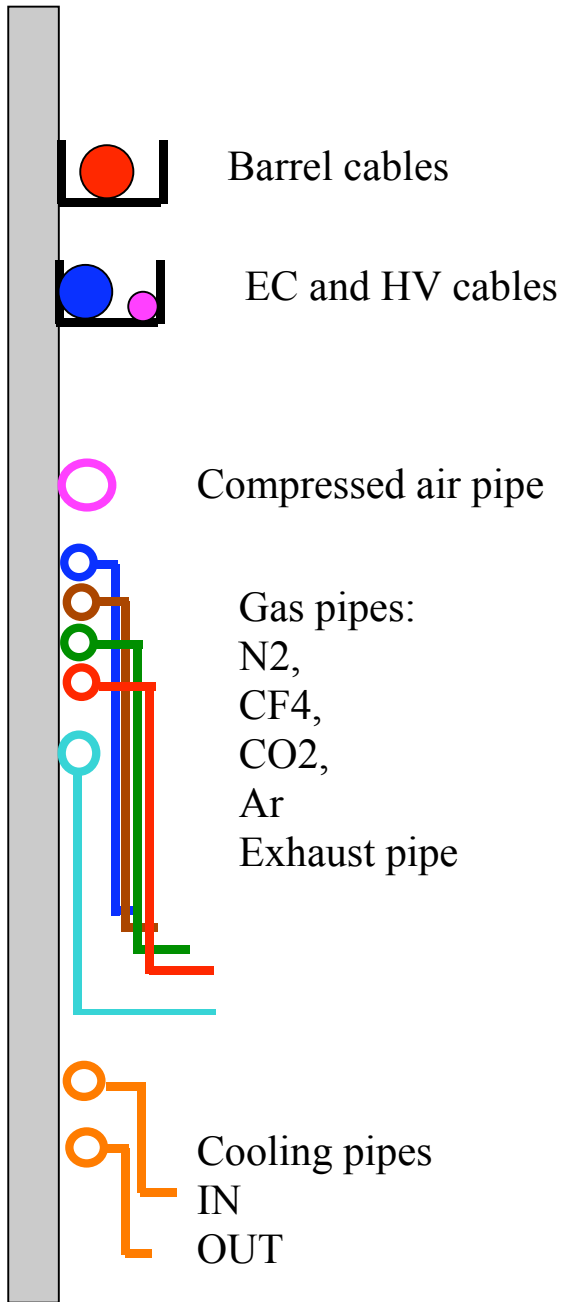
## C6F14 Cooling pipes



**C6F14 cooling pipes:**  
 Material: Cu  
 OD=12mm, ID=10 mm  
 Connector type: Legris

## Schematic cable layout





**TRT cables are supposed to be reconfigured according current activity in the SR1 building. For this 2 cable trays have to be installed (for the End-Cap and Barrel separately)**

- Maximum number of cables for the barrel - 41;
- Maximum number of cables for the End-cap - 41

**Typical cable diameter is 12 mm**

**Gas distribution pipes are supposed to be installed directly on the wall with T type connection at human height level.**

- Active gas pipes must be cleaned (correspond high purity requirements);
- All pipes have to have connectors and plugged;
- Connection to the TRT gas racks are done by TRT