

MINUTES OF MEETING ABOUT SAFETY INSTALLATION IN THE SOUTH HALL, 20.4.60

Present: J.B. Adams, A. Albiker, B. Bianchi, F. Bonaudi, J. Geibel,
L. Resegotti, J. Rouel, R.G. Voss.

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I. VENTILATION SYSTEM FOR THE USE OF PROPANE CHAMBERS IN THE SOUTH HALL

1) The size of the ducts and the ventilators corresponds to the PS requirements. However, the layout of the ventilation duct in the Hall as shown in the drawing CERN 55.104 raises serious objections on account of the space taken at the doors and inside the Hall. The solution shown in the drawing CERN SB 55.110, where the duct runs all along the gas-tight wall on the chamber side, is accepted. The duct will be provided with openings regularly distributed at intervals of 2 m, suitable for attaching large flexible hoses (12" or 16") as used already by the Hydrogen Chamber Group. SB will make available some 100 m of the said flexible hose with the required connectors. The actual position of the openings will have to be compatible with pillars and separation walls.

2) The ventilation duct out of the Hall should not run on top of Mount Citron, but rather along its side at approximately constant level. It should be terminated with a funnel about 3 m high behind Mount Citron. The preferred solution would be to cross the road straight at the position of the gas-tight wall. This requires a pillar on the opposite side of the road. If this solution should turn out to be too complicated to realize, the road could be crossed in the same direction at the corner of the Hall.

3) The propane exhaust pipe will run on the floor all along the gas-tight wall, on the chamber side, and will cross the road together with the ventilation duct. A liquid propane vessel of some 700 l volume will be placed at the position shown on drawing SB 55.104, and the exhaust pipe from it will reach again the ventilation duct and will be terminated behind Mount Citron together with it.

II. SPECIAL INSTALLATIONS FOR LIQUID HYDROGEN TARGETS IN THE SOUTH HALL

SB drawing No. 55.102 is discussed and agreed , with the following remarks:

- 1) The exhaust stack should be higher and reach above the roof.
- 2) The ventilation duct should be made out of easily demountable standard sections and flexible elbows. The first installation can be as shown in the drawing, but some 50 o/o spare length and spare elbows should be available - demountable intermediate supports can be tolerated.
- 3) The hut should have a metallic frame and lifting eyes, so that one can transport it with the 30 t crane - non-inflammable wooden panels can be used for the walls and plexiglass for the windows - lighting to be from outside.
- 4) The job has been requested by the group of G. v. Dardel for May 1st - it should therefore be pushed on urgently.
- 5) The exhaust fan is available at SB.
- 6) PS will supply the non-return valves (6" and 4") for the vent lines.
- 7) Details of the construction of the target will be checked by J. Rouel and F. Bonaudi with SC drawing office.
- 8) The route of vent lines and exhaust duct is apparently clear of Hugi's cables and bus-bars - this should be checked again by SB.

III. PARTITION WALLS

- 1) The existing partition wall is at present in the position discussed and agreed with the interested parties. PS will see whether the cable junction box under it can be shifted.
- 2) The new partition wall (to be between Peyrou's and Lagarrigue's chambers) should be made out of easily demountable sections - it is agreed that some intermediate removable pillars can be bolted to the floor, provided no fixed parts stick out of the floor when demounted.

L. Resegotti - F. Bonaudi

Distribution (open):

all people present
C.A. Ramm
P. Germain
Th. Ball
G. v. Dardel