

23rd March, 1961

NI/GP/61/21

NATIONAL INSTITUTE FOR RESEARCH IN NUCLEAR SCIENCE

GENERAL PURPOSES COMMITTEE

Centralised Water Cooling Scheme for Buildings R.1, R2 and R8

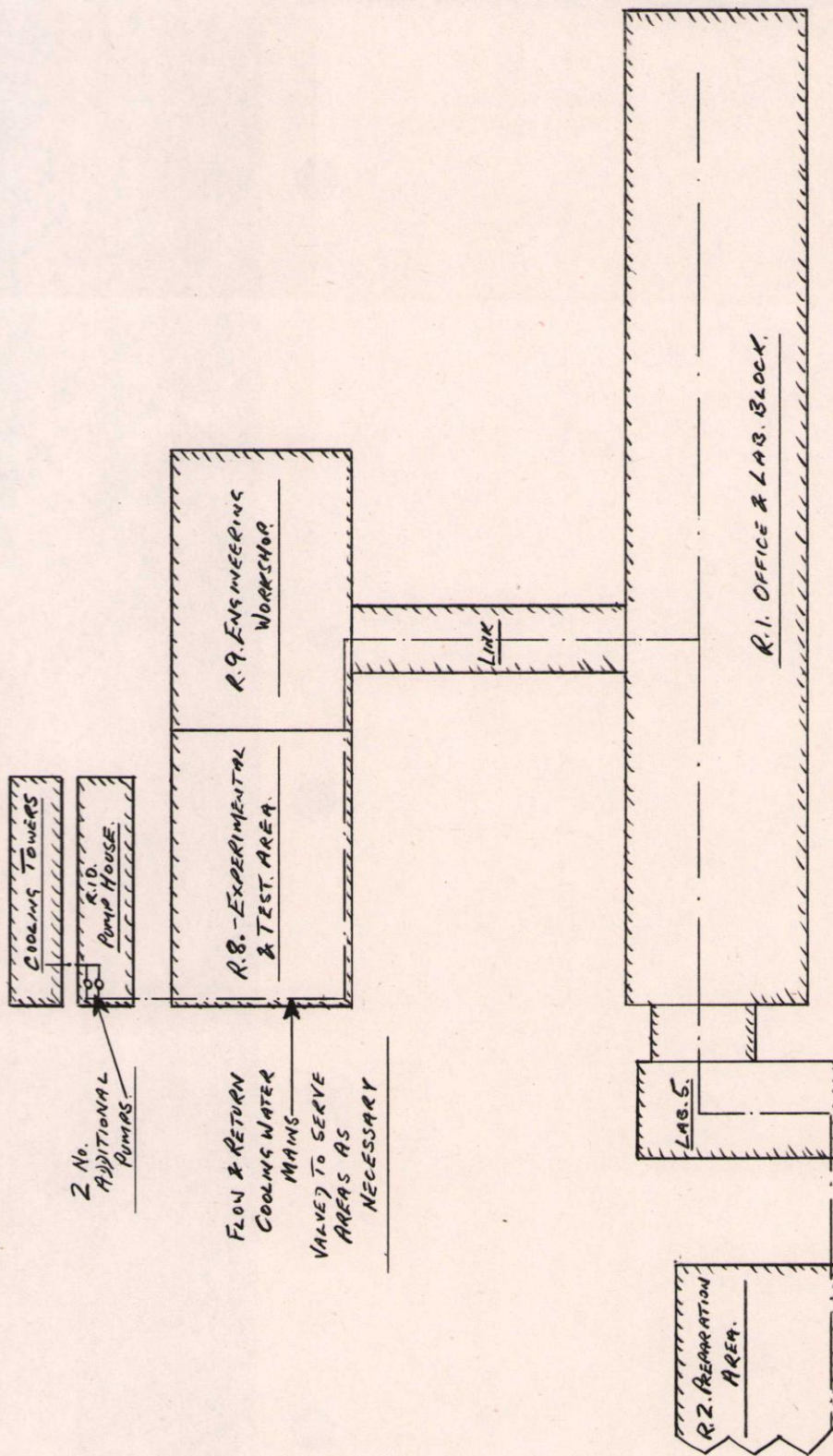
Note by the Chairman of the Rutherford Laboratory Building Committee

1. The demands for treated cooling water are constantly being made and revised in accordance with the experimental programme in the laboratories. Consideration of the problem shows that the most economic and useful policy is to centralise the cooling plant and distribute cooling water to appropriate buildings as a "piped" service. The system will be expanded for future buildings up to the limit of the capacity of the present cooling plant. Additionally numerous small metal cooling towers are unsightly, expensive to maintain and require frost protection.
2. The present proposal is to provide a cooling water service for buildings R1, R2 and R8, and due to changes in the design of NIMROD adequate cooling capacity is available in the present cooling towers and associated water treatment plant.
3. The basis of the present scheme is to provide two additional water circulating pumps in Buildings R.10 - Pump House together with a water flow and return mains system servicing Buildings R1, R2 and R8 as outlined in the attached sketch. The estimated cost of the scheme is £15,000.
4. Approval is sought for the scheme with authority to proceed immediately at an overall cost of £15,000. The expenditure will fall mainly in the financial year 1961/62, sufficient funds being available in the estimates.

P. Bowles

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Circulation: to Members of the G.P.C.
to Members of the Governing Board for information.



LAYOUT OF PROPOSED ADDITIONAL COOLING WATER PUMPS & MAINS.