

14th October, 1959

NI (GP) (59) 42

NATIONAL INSTITUTE FOR RESEARCH IN NUCLEAR SCIENCE

GENERAL PURPOSES COMMITTEE

BUILDING FOR ANCILLARY MAINTENANCE SERVICES

NOTE by the Chairman of the Rutherford Laboratory Building Committee

1. During the development stages of the NIMROD machine and for the provision of scientific and engineering equipment for research, it will always be necessary to maintain a strong supporting workshop. In addition, the maintenance of the machine and its associated control system will need many mechanics and technicians to maintain the complex control system.
2. In the main, these facilities will be centralised in the "Arcon" Building but there are six categories of ancillary work which it is proposed should be provided with separate accommodation adjacent to the main workshop. These are as follows :-
 - 2.1 Instrument and Electronics workshop for maintenance and development
 - 2.2 Instrument Store for metrology and survey equipment
 - 2.3 Carpenters' workshop for model making and carpentry associated with the machine rather than the building fabric
 - 2.4 Degreasing plant
 - 2.5 Painters' room and paint store
 - 2.6 Charging station for portable batteries and trucks.
3. All the above services are better separated from the main "Arcon" building because of fire risk, spread of dust and the difficulties of controlling fumes from degreasing plant. In addition, the "Arcon" building, being much higher, is better suited for work requiring height, the services of cranes and other work and mechanical services which are very expensive features.
4. To provide this accommodation, it is proposed to erect a light steel pre-fabricated building, similar to the "Arcon" but only 15 feet to the eaves. The total floor area will be 4,800 square feet and would comprise four standard units, each 40 feet by 30 feet. The attached sketch shows the proposed siting, which is in line with the main cooling towers. The arrangement lends itself to extension to provide other ancillary services when taken over from A.E.R.E.
5. The Cooling Towers, Pump House and the proposed buildings require road access and an extension of the site services; this will mean re-siting several units of Terrapin huts in order to develop the site road in an easterly direction.

6. The cost of the scheme will be as follows :-

Supply, delivery and erection of buildings, including foundations, heating, lighting compressed air, gas and water	..	£24,000
External services, including drains, heating mains and cables	..	2,000
Extension of Roads	..	5,000
Removal and re-siting of Terrapin huts	..	2,000
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		33,000
Fees	..	3,300
Furniture	..	700
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		£.37,000
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7. Authority is requested for the approval of the above scheme at a total cost of £37,000; the expenditure will fall during the 1960/61 Financial year, for which provision has been made in estimates.

P. BOWLES

APPENDIX TO NI (GP) (59) 42

