

RUTHERFORD LABORATORY BUILDING COMMITTEE

This draft is part of a General Purposes Committee paper to deal with the Nimrod Control Block (R.2) Extension. Sections have still to be added on the constructional programme, estimates and budgetary control.

It is intended that it should be accompanied by a similar paper on the "Arcon Extension" Laboratory and Office Block together with a further covering paper justifying the siting of the buildings and the associated complement figures.

L.C.W. HOBBS

Building R.1.

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ACCOMMODATION FOR NIMROD OPERATIONS STAFF - EXTENSION TO BUILDING R.2

INTRODUCTION

Staffing requirements for operation, maintenance and short term development of Nimrod have recently been examined in some detail. Appendix 1 gives a partial breakdown of the total complement of 160. This figure does not include other personnel who, whilst closely associated with Nimrod, are not normally engaged directly in the operational work, for example, Nimrod physics and long term development, nuclear physics, bubble chamber and beam handling groups. Of the 160, about 40 would be shift workers on crew duties, so that the actual number requiring accommodation excluding control and crew rooms is 120.

As explained in NI(GP) , no satisfactory accommodation is at present available for these people and it is proposed to extend the Nimrod control block R.2 for this purpose. The proposal is illustrated in the accompanying plans and estimates for the work are given in Appendix 2.

GENERAL DESCRIPTION OF BLOCK AND NATURE OF ACCOMMODATION PROVIDED

The use of 3 and 5 storeys in the two limbs as shown is dictated by radiation shielding considerations, but the floor areas which can be provided within this limitation nicely meet the functional requirements.

Workshops and laboratories and consequently, the heavier floor loadings, are restricted to the ground and first floors with office or office type accommodation on the other three. The ground floor arrangements provide useful under space for calorifier, switchroom and storage. A lift is essential both for passengers and to facilitate movement of equipment to and from the laboratories; it also leads to the tunnel communicating with the experimental area. The laboratories are favourably located with respect to the present counting rooms and could be converted into further counting rooms should the necessity arise.

The workshops and design office may at first seem larger than necessary but they are aimed at meeting as far as possible the immediate and urgent demands of anyone working on Nimrod whether in the operations groups or not. This Service is considered essential.

A lockout station is shown on the roof since this spot is pre-eminently placed in relation to the rest of the site. The lift motor and tank rooms would be concealed within this feature.

Whilst the estimate shows the ground preparation to be costly, the effect of this is reduced by the height chosen. Indeed it is fortunate that such a relatively tall block is demanded, since it should therefore be much more acceptable in what is already a rather congested part of the site.