

28th May, 63

Mr. Louth
Building R1,
N.I.R.N.S.

N.I.R.N.S. - Proposed Extension to Converter Hall - R4
Token Estimate (Job No. 6705)

Further to our meeting of the 20th instant when you provided your basic requirements for the above project, these have now been embodied in the attached Banda sketch No. 1141 and brief AR.12.

The Q.S. Token Estimate for planning purposes only is as follows:-

Building and Civil	£5,000
Electrical	400
Mechanical	£1,600
	<u>£7,000</u>
Fees 15%	£1,050

8-10-0 4 ft.
27
190
27
5
135
2

The estimate excludes any allowance for Equipment or Furniture other than lockers and benches.

Summary of expenditure and construction period is attached based on the assumption that this project is negotiated with Messrs. Chivers, and freedom of access is given to the Contractor.

Twenty copies of all relevant papers are attached.

K. A. Moak
Assistant Chief Architect.

c.c. Col. N. Wilson,
Mr. J. P. Byrne,
Mr. Harbert,
Mr. Bowers,
Mr. Dixon,
Mr. Choate,
Mr. Youd,
Mr. Johnson,
Mr. Brown,
Mr. Fox,
Mr. Nott,
Mr. Flynn,
File.

ESTIMATED COSTS FOR N.I.R.N.S.

S.W.O. Job No. 6708

TOKEN ESTIMATE FOR PLANNING PURPOSES ONLY

1. Title and Site:-

Proposed extension to Converter Hall - N.I.R.N.S. R4.

2. Estimated Capital Expenditure

Year	B & C	M & E	Externals	Totals
1963/64	2,000	1,000	100	3,100
1964/65	2,800	1,000	100	3,900
Totals	4,800	2,000	200	7,000

TOTAL FOR CAPITAL SANCTION £7,000

3. ESTIMATED ENGINEERING GROUP CHARGES

Design of Building and Civil work	}	15%
Electrical work and instrumentation		
Conventional Mechanical Services		
Purchase, inspection, cranes and progress		
Cost Estimate		
Supervision and Site Construction	}	<u>£1,050</u> *

4. The foregoing estimates and rates of expenditure are based on current costs of labour and materials and allow for:-

Receipt of Planning Approval by June 10th, 1963
Commencement of site construction by Oct. 1st, 1963
Completion of site construction by Feb. 28th, 1964.

5. Estimates include for all work described in:-

Clients specification, Brief AR.12 and Banda Sketch 1141.

6. Estimates exclude:-

Furniture, plant and equipment.

Date 28th May, 1963

Signed *J.A. Howard*
Assistant Chief Architect.

* Footnote:- These charges are included in the Engineering Group budget.

Establishment N.I.R.N.S.

Project R4 - Extension to Converter Hall

FUNCTIONAL SPECIFICATION BRIEF

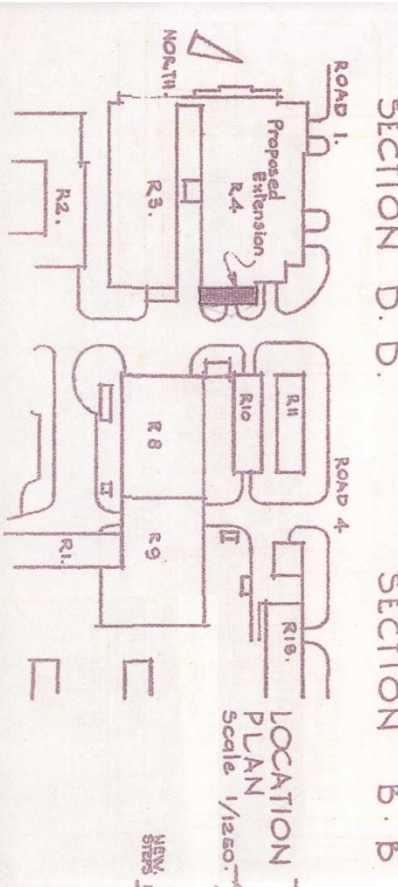
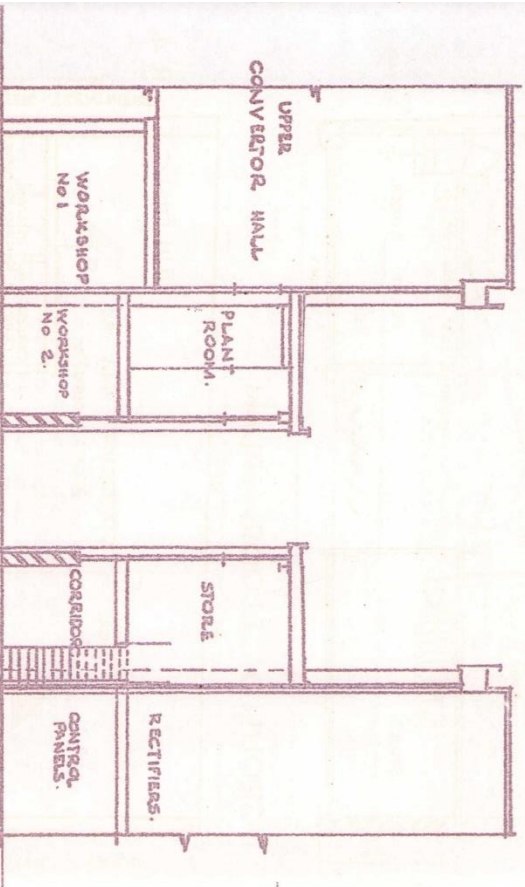
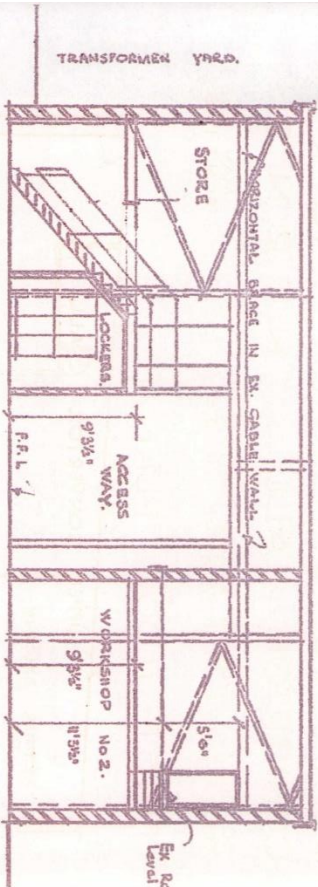
Client Division

Function	Mercury Maintenance	
Number of	Male = Ind.	} 2
	= Non-Ind.	
Occupants	Female = Ind.	} Nil
	= Non-Ind.	
Roofs	No special requirements Special* Hollow Tile	
Floors	No special requirements Special* Concrete' Impervious finish	
Walls	Piling or Special Foundry Fair faced Gloss paint impervious to Mercury vapour Plastered Acoustic Shielding Demountable Partitions Framed or Load Bearing	
Ceilings	No special requirements Special* as for walls	
Doors	No special requirements Special* Existing Re-used	
Windows	No special requirements Special* Single Double Fixed & opening - Hardwood to suit design Cill height Curtains Blinds	
Height of Rooms	Ground floor approx. 8'6" 1st Floor approx. 11'6"	
Special Filaments by Architects*	Nil	
Fire Precaution CO2 Alarm Auto Heat Rise Smoke Detector	Hand extinguishers supplied by MIRS	
Sanitary Accommodation	1 Lav. basin only.	
Heating	Input Steam Warm air from existing building Hot Water	
Hazard*	Toxic	
Ventilation	Plenum Heating to 60° Max. Extract 10 air changes per hour Active Non-Active Toxic Filtered Non-Filtered	

Air Sampling	Particulate } Yes Gaseous }
Lighting	No special requirements: 15 F.C. Special* Flush Clean finish
Cranes Lifts Hoists Monorails	Hand } Electric } Nil
Quote operating speeds and hook clearances	
Effluent & Drainage	Sewage (Foul) Radio Active Trade waste Storm Water Photographic
Services -	Water Drinking Raw Domestic Raw Process Hot Domestic - Storage Heater Hot Process Demin. Distilled Conductivity Cooling
Services -	Steam Process } Compressed Air } Town Gas } Vacuum } Nil Gas Argon } Gas Argon & Nitrogen } Gas Nitrogen } Gas Oxygen }
Electricity	A.C. Power to Equipment No special requirements D.C. Special* Standby Guaranteed Power Plugs Lighting Points
Furniture	5 lockers & Steel top Benches
Security	Fencing - Height } Burglar Alarms } Nil
Plant & Equipment	Nil
User's	
Moundings	Nil
Access (Roads & Paths)	Existing
Streetlighting	Existing
Fencing & Gates	Nil
Telephones	No

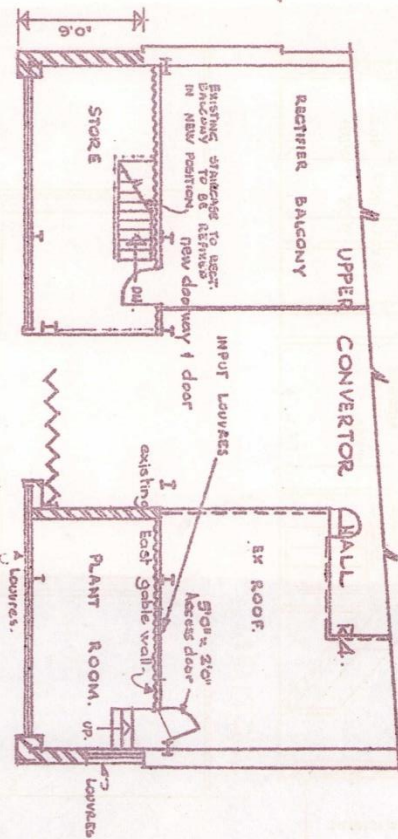
Notes:- All items marked * to be amplified on appendices if required. All items MUST be answered YES or NO, PROBABLE etc.

Signed: William H. H. H. H. Date: 28.5.63. Signed: _____ Date: _____



PROPOSED EXTENSION TO R.4.
 CONVERTOR HALL N.I.R.N.S.
 SOUTHERN WORKS ORGANISATION.
 CHIEF ARCHITECT D. W. DIXON A.R.I.B.A.
 27th MAY 1963
 SCALE 1"=6'6"

FIRST FLOOR PLAN. ARCH. REF. 1141



GROUND FLOOR PLAN.

