

Establishment **H.I.R.N.S HARWELL**

Project

11/13

FUNCTIONAL SPECIFICATION BRIEF

Client Division **N.I.R.N.S.**

Function	MERCURY PLANT MAINTENANCE BUILDING		
Number of	Male = Ind.	} 6.	
	= Non-Ind.		
Occupants	Female = Ind.	} Nil	
	= Non-Ind.		
Roofs	No special requirements Special* Hollow tile on beams		
Floors	No special requirements Special* Concrete with impervious finish		
Walls	Plaster or Special Founds. Fair faced with gloss paint finish Plastered impervious to mercury Acoustic vapours & oxide dust Shielding Demountable Partitions Framed or Load Bearing		
Ceilings	No special requirements Special* Plastered & coved finish as for walls.		
Doors	No special requirements Special* clean finish generally.		
Windows	No special requirements Special* opening to Vac. Pump Single Dismantling Room Double Timber H/Wood Fixed Normal. Cill height Curtains Blinds		
Height of Rooms	Work rooms 12'-0" to 15'-0" mono-rail hook remainder 9'-0"		
Special Fixments by Architects*	Special Steel benches & Steel shelving.		
Fire Precaution CO2	" Alarms Normal S.A. " Auto Heat Rise Hand Extinguishers " Smoke Detector		
Sanitary Accommodation	Yes.		
Heating	Steam Hot Water	to Ventilation System & H.W. Service	
Hazard*	Toxic		
Ventilation	Plenum	Heating to 60° max 10 air changes per hour. Humidity control	
"	Extract		
"	Active		
"	Non Active		
"	Toxic		
"	Filtered		
"	Non Filtered		
Air Sampling	Particulate Gaseous	} Yes	
Lighting	No special requirements Special*	15 ft & 25-30 ft Fluor - clean finish	
Cranes	Hand Electric	Quote operating speeds and hook clearances 12'-0"	
Lifts			
Hoists			
Monorails	10 cwt, & 2 No at 1 Tonn.		
Effluent & Drainage	Sewage (Foul) Radio Active Trade waste Storm Water Photographic	via chem. receivers CHIMNEY IN FLOOR.	
Services -	Water Drinking Raw Domestic Raw Process Hot Domestic Hot Process Demin. Distilled Conductivity Cooling	Water ✓ Drinking ✓ Raw Domestic ✓ Raw Process ✓ Hot Domestic ✓ Hot Process ✓ Demin. ✓ Distilled ✓ Conductivity ✓ Cooling ✓	
Services -	Steam Process Compressed Air Town Gas Vacuum Gas Argon Gas Argon & Nitrogen Gas Nitrogen Gas Oxygen	Steam Process ✓ Compressed Air ✓ Town Gas ✓ Vacuum ✓ Gas Argon ✓ Gas Argon & Nitrogen ✓ Gas Nitrogen ✓ Gas Oxygen ✓	
Electricity	AC. Power to equipment No special requirements D.C. Special* Standby Guaranteed Power Plugs Lighting Points	AC. Power to equipment No special requirements D.C. Special* Standby Guaranteed Power Plugs Lighting Points	
Furniture*	Changing seats & lockers		
Security	Fencing - Height Burglar Alarms	NIL	
Plant & Equipment	oven.		
User's			
Moundings	NIL		
Access (Roads & Paths)	to all entrances		
Streetlighting	- existing to be revised		
Fencing & Gates			
Telephones	Yes 2.		

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

Signed:..... Date:..... Signed:..... Date:.....

