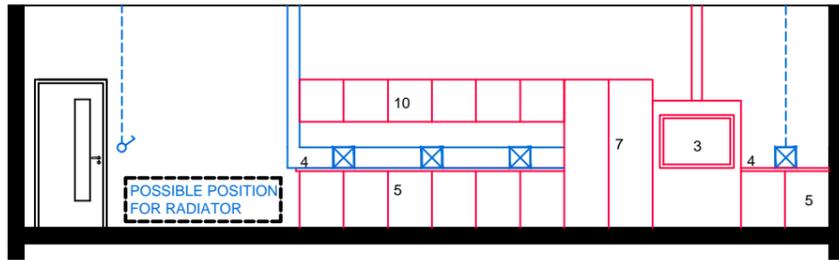
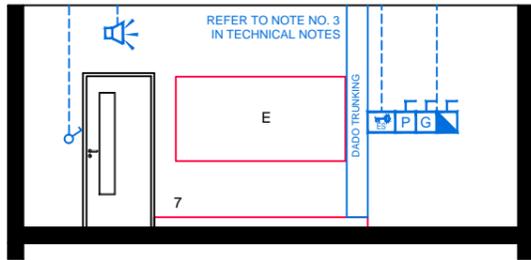


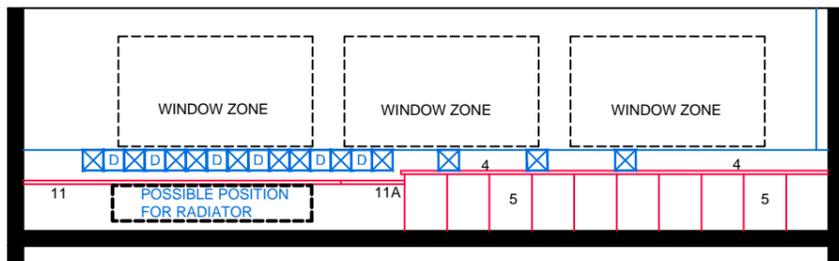
ELEVATION:A - A



ELEVATION:B - B



ELEVATION:C - C



ELEVATION:D - D



FLOOR PLAN

TECHNICAL NOTES

1. This document provides guidance in relation to the requirements for a Science Laboratory.
2. This document should be read in conjunction with the Technical Guidance Documents (TDGs) as published by the Department of Education & Skills.
3. Refer to Drawing Ref No. RT-ICT-A-100 'Data Projector Installation' for detailed requirements.
4. Final position of network points and associated power outlets shall be above desk/worktop height.
5. Dado trunking shall feed from above in ground floor situations and from ceiling void below if room is located on upper floors.
6. In teaching spaces containing data projectors manual two way switching shall be provided on the row of lights nearest the teaching wall.
7. The exact location of the Data Projector and associated twin outlet and Projector Audio Faceplate (PAF) to be agreed with the Client during design stage and included in the tender documents.
8. Socket outlets, network points and PDF Input are to be located on the teacher's bench and not in the dado railing trunking as outline in Drawing No. RT-ICT-A-100.
9. Control heating to room using 2-port valve and lockable digital type electronic room thermostat.
10. ICT wiring to be run in conduit under the podium to feed the PAF on the teacher's bench etc.
11. Adjacent laboratories should have a common preparation area.
12. There should be a minimum of one secure chemical store 2.9 x 2 m² in each school. It should preferably be located on an outside wall and have natural ventilation, but no windows.
13. If so desired, one lab (physics), may have as part of its preparation area an optics/dark room which should be accessible from the lab only.
14. Where preparation area serves more than one laboratory then an independent pressure proving system is required.
15. Natural light and ventilation required for the area marked in plan as "Zone A".
16. Where plans changes to deep plan adjacent Science Prep Room & Corridor are swapped.

FURNITURE & EQUIPMENT SCHEDULES

FIXED FURNITURE		
Item	Description	Quantity Code
1	Student's pedestal unit 600x600x1020mm high with science sink.	05 PU3
1A	Height adjustable pedestal unit as item 1.	01 PU3-HA
2	Belfast sink 900x455mm (H&C supply).	01 BS
3	Fume cupboard 1200x600mm approx.	01 FC
4	Worktop (length as shown) 600x850mm high, top to match science bench	--- WTS
5	Base units 1250x600, height to fit under item 4 above	09 BU
6	Teacher's science bench 2100x700x850mm high with one science sink.	01 STB
7	Rostrum 3000x1800x150mm high.	01 R
8	Storage press 1250x600x1800mm.	01 SP
9	Student's project table (movable) 1200x600x850mm high, top to match science benches.	12 SPT1
10	High level storage with lockable doors 3750x 600x400mm	01 HL6
11	Worktop 4500x600x710mm high, top to match science bench.	--- CWT
11A	Removable worktop 900x600x710mm high, top as item 11 above.	--- CWT

LOOSE FURNITURE		
Item	Description	Quantity Code
C	Students computer chair height adjustable	06 SCC
D	Teacher's chair 525 high	01 S5H
E	Whiteboard / blackboard with graph panel 2400 x 1200	01 CBS/M
F	Pinboard 1200x1200	03 PB
S	Student's stool 600 high (stackable)	24 S2H
T	Trolley 900 x 500 x 100 high with lockable castors	01 STSW

Appropriate provision of loose furniture for Special Education Needs should be made as required.

BUILDING SERVICES LEGEND

BUILDING SERVICES ENGINEERING SYMBOLS	Plan	Elevation
Light Switches		
Single Switched Socket Outlets		
Single Switched Socket Outlets (under worktop)		
Cleaner's Socket Outlet (not controlled by isolator)		
Twin Switched Socket Outlets		
Water Boiler Point		
Cooker or Built-in Oven Point		
Data Projector Isolating Switch		
Single Phase Power Supply		
3 Phase Power Point		
Mechanical Ventilation Power Point		
Key Operated Isolating Switch on ICT Installation only		
Key Operated Isolator/ knockout Button on Electrical Supply		
Emergency Knockout Button on Electrical Supply		
Gas Pressure Proving System Control Panel		
Emergency Knockout Button on Gas Supply		
PA Loudspeaker		
Telephone Point		
Network Point		
Projector Audio Faceplate (PAF)		
Sub-distribution Board (possible location)		
Dado Rail Trunking		
Dado Trunking (vertical drop/ rise)		
Radiator		

- GENERAL NOTES:**
1. This drawing is for information and reference only, designers are responsible for co-ordination issues and compliance with Building Regulations.
 2. Doors shall provide 850 mm clear opening width, except where indicated otherwise.
 3. Do not scale the drawing. Use figured dimensions only. All dimensions given are in millimetres.
 4. All room dimensions are "internal dimensions".
 5. Area = net internal area of the room.
 6. All elevations are internal room elevations.
 7. Any discrepancies between this document and other documents shall be reported to the Department.

POST-PRIMARY SCHOOL ROOM LAYOUTS:

**ALTERNATIVE SCIENCE LABORATORY
(80 m²)**

DRG NO: RT - 011.2	ISSUE NO: 01	SCALE: 1: 100 @ A3	DATE: Sept 2011
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**AN ROINN OIDEACHAIS AGUS SCILEANNA
THE DEPARTMENT OF EDUCATION AND SKILLS**

Planning and Building Unit

