

ISSUE NO:

02

SCALE:

1: 100

@ A3

DATE:

Sept 2011

DRG NO:

**RT - 008** 

3. All room dimensions are "internal dimensions".

4.

Area = net internal area of the room. 5.

2.

- All elevations are internal room elevations.
- Any discrepancies between this document and other documents shall be reported to the Department.

## **TECHNICAL NOTES**

- This document provides guidance in relation to the requirements for a Mathematics/ Social Studies Room.
- 2. This document should be read in conjunction with with the Technical Guidance Documents (TDGs) as published by the Department of Education & Skills.
- Refer to Drawing Ref No. RT-ICT-A-100 'Data Projector Installation' for detailed 3 requirements.
- 4. Final position of network points and associated power outlets shall be above desk/worktop height.
- Dado trunking shall feed from above in ground floor situations and from ceiling 5. 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 Control heating to room using 2-port valve and lockable digital type electronic room thermostat.

## **FURNITURE & EQUIPMENT SCHEDULES**

FIXED FURNITURE		Quantity	Code		
1.	Sink unit (cold water)1200 x 600 x 850 high	1	SSU		
LOOSE FURNITURE Qua			Code		
А	Student's table 600 x 600 x 760 high	30	T2		
В	Teacher's desk 1200 x 600 x 760 high	01	T4		
С	Student's chair 460 high	30	SIE0		
D	Teacher's chair 460 high	01	S5		
Е	Whiteboard / blackboard 2400 x 1200	01	WB2		
F	Pinboard 1200 x 1200	02	PB		
G	Storage press 900 x 450 x 1800 high	01	SC1		
1	Student computer chair height adjustable	04	SCC		
Κ	Plan chest	on request	PC		
L	Display Unit	on request	DS		
Appropriate provision of loose furniture for Special Education Needs should be made when required					

EQUIPMENT		Quantity	Code
	None		

BUILDING SERVICES ENGINEERING SYMBOLS   Plan   Elevation     Light Switches							
Light Switches   Image: Constraint of the system of the	BUILDING SERVICES LEGEND						
Single Switched Socket OutletsImage: Constraint of the system		Plan E	levation				
Single Switched Socket OutletsImage: Constraint of the systemImage: Constraint of the systemSingle Switched Socket Outlets (under worktop)Image: Constraint of the systemImage: Constraint of the systemCleaner's Socket Outlet (not controlled by isolator)Image: Constraint of the systemImage: Constraint of the systemTwin Switched Socket OutletsImage: Constraint of the systemImage: Constraint of the systemImage: Constraint of the systemWater Boiler PointImage: Constraint of the systemImage: Constraint of the systemImage: Constraint of the systemOoker or Built-in Oven PointImage: Constraint of the systemImage: Constraint of the systemImage: Constraint of the systemData Projector Isolating SwitchImage: Constraint of the systemImage: Constraint of the systemImage: Constraint of the systemSingle Phase Power PointImage: Constraint of the systemImage: Constraint of the systemImage: Constraint of the systemShare Power PointImage: Constraint of the systemImage: Constraint of the systemImage: Constraint of the systemKey Operated Isolator/ knockout Button on Electrical SupplyImage: Constraint of the systemImage: Constraint of the systemGas Pressure Proving System Control PanelImage: Constraint of the systemImage: Constraint of the systemPA LoudspeakerImage: Constraint of the systemImage: Constraint of the systemProjector Audio Faceplate (PAF)Image: Constraint of the systemImage: Constraint of the systemSub-distribution Board (possible location)Image: Constraint of the systemImage:	Light Switches	o^	∽				
Cleaner's Socket Outlet (not controlled by isolator)   A   F     Twin Switched Socket Outlets   A   X     Water Boiler Point   CP   CP     Cooker or Built-in Oven Point   CP   CP     Data Projector Isolating Switch   DP   DP     Single Phase Power Supply   1P I   1P I     3 Phase Power Point   MV   MV     Key Operated Isolating Switch on ICT Installation only   TP   TP     Key Operated Isolator/ knockout Button on Electrical Supply   TP   TP     Gas Pressure Proving System Control Panel   P   P     Emergency Knockout Button on Gas Supply   G   G     PA Loudspeaker   T   T   T     Telephone Point   D   D   D     Network Point   D   D   D   D     Dado Rail Trunking   D   D	Single Switched Socket Outlets		Ø				
Twin Switched Socket Outlets   Image: Socket Outlets   Image: Socket Outlets     Water Boiler Point   Image: Socket Outlets   Image: Socket Outlets     Data Projector Isolating Switch   Image: Socket Outlets   Image: Socket Outlets     Data Projector Isolating Switch   Image: Socket Outlets   Image: Socket Outlets     Single Phase Power Supply   Image: Socket Outlets   Image: Socket Outlets     Single Phase Power Supply   Image: Socket Outlets   Image: Socket Outlets     Shase Power Point   Image: Socket Outlets   Image: Socket Outlets     Mechanical Ventilation Power Point   Image: Socket Outlets   Image: Socket Outlets     Key Operated Isolating Switch on ICT Installation only   Image: Socket Outlets   Image: Socket Outlets     Key Operated Isolator/ knockout Button on Electrical Supply   Image: Socket Outlets   Image: Socket Outlets     Gas Pressure Proving System Control Panel   Image: Socket Outlets   Image: Socket Outlets   Image: Socket Outlets     Gas Pressure Proving System Control Panel   Image: Socket Outlets   Image: Socket Outlets   Image: Socket Outlets   Image: Socket Outlets     PA Loudspeaker   Image: Socket Outlets   Image: Socket Outlets   Image: Socket Outlets   Image: Socket Outlets   Image: SocketO	Single Switched Socket Outlets (under worktop)						
Cooker or Built-in Oven PointCPCPData Projector Isolating SwitchDPDPSingle Phase Power Supply1P1P3 Phase Power Point3P3PMechanical Ventilation Power PointMVMVKey Operated Isolating Switch on ICT Installation onlyTPTPKey Operated Isolator/ knockout Button on Electrical SupplyTPTPGas Pressure Proving System Control PanelFPFPEmergency Knockout Button on Gas SupplyGPGPPA LoudspeakerTTTelephone PointDDNetwork PointDDProjector Audio Faceplate (PAF)PAFPAFSub-distribution Board (possible location)SDESDEDado Rail TrunkingDNO TRUMENEDTDT	Cleaner's Socket Outlet (not controlled by isolator)	쓰	Ξ				
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3 Phase Power Point   3P1   3P1     Mechanical Ventilation Power Point   MV   MV     Key Operated Isolating Switch on ICT Installation only   P0   P0     Key Operated Isolator/ knockout Button on Electrical Supply   P0   P0     Emergency Knockout Button on Electrical Supply   P1   P1     Gas Pressure Proving System Control Panel   P1   P1     Emergency Knockout Button on Gas Supply   D1   D1     PA Loudspeaker   P1   P1     Telephone Point   D1   D1     Network Point   D1   D1     Sub-distribution Board (possible location)   SDE   SDE     Dado Trunking (vertical drop/ rise)   D1   D1   D1	Data Projector Isolating Switch	DP	DP				
Mechanical Ventilation Power Point MV   Key Operated Isolating Switch on ICT Installation only T   Key Operated Isolator/ knockout Button on Electrical Supply T   Emergency Knockout Button on Electrical Supply T   Gas Pressure Proving System Control Panel F+   Emergency Knockout Button on Gas Supply T+   PA Loudspeaker T   Telephone Point T   Network Point D   Projector Audio Faceplate (PAF) PAF   Sub-distribution Board (possible location) SDB   Dado Rail Trunking D   Dado Trunking (vertical drop/ rise) D	Single Phase Power Supply	1P <b>I</b>	1P <b>I</b>				
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Key Operated Isolator/ knockout Button on Electrical Supply   Image: Constraint of the second seco	Mechanical Ventilation Power Point	MV	MV				
Emergency Knockout Button on Electrical Supply   Image: Constraint of the second sec	Key Operated Isolating Switch on ICT Installation only	¥ <mark>∏</mark> 0	μD				
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Emergency Knockout Button on Gas Supply Image: Constraint of the second secon	Emergency Knockout Button on Electrical Supply						
PA Loudspeaker Image: Constraint of the second se	Gas Pressure Proving System Control Panel	P	P				
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Dado Rail Trunking     DADO TRUMKING     DADO TRUMKING       Dado Trunking (vertical drop/ rise)     DT     DT		SDB	SDB				
Dado Trunking (vertical drop/ rise)		DADO TRUNKING	DADO TRUNKING				
		DT	DT				
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**Planning and Building Unit**