TYPICAL CLASSROOM PLAN
(Natural daylight & ventilation from one side only)
Each teaching space shall be controlled via two port motorised valves with electrically powered digital thermostats with a lockable range of 21 degrees Celsius +/− 3 degrees.

All thermostatic mixing valves on the hot water services to be connected as outlined on the "Thermostatic Mixing Valve Installation drawing RT-TMV-001" of TGD-30. Mains water is only required at the classroom sink.

All lights fitted with automatic lighting controls must also have a manual on / off switch.

Lighting controls in classrooms/ teaching spaces should be such that all lights in the space are linked to one sensor such that all lights respond in the same manner to the control signals.

Lighting controls in classrooms are to be are based on absence detection to turn off lights and daylight sensing to dim lights as required to off, in response to the daylight sensor.

Lighting Controls in ensuite toilets to be based on manual on/off switching with automatic absence detection only. One linear high frequency fluorescent fitting per cubicle and lobby will suffice.

IT Area (no. 4 on plan) Dado Trunking to contain 5 no. data points and 16 no. 13 A socket outlets.

The teaching wall shall have one thermostat, one two-way PA loudspeaker, a horizontal run dado rail trunking incorporating two twin socket outlets and one network point. The dado rail trunking shall be run at a height of 550mm above FFL.

Lighting Controls in ensuite toilets to be based on manual on/off switching with automatic absence detection only. One linear high frequency fluorescent fitting per cubicle and lobby will suffice.

Lead and Pedestrian Design

Radiator Zone

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2. Where works are carried out in accordance with the guidance in this document, this will, prima facie, indicate compliance with Technical Guidance Documents for Primary School Buildings as published by the Department of Education & Skills. However, the adoption of an approach other than that outlined in the guidance is not precluded provided that the relevant requirements of the Technical Guidance Documents are complied with.

3. Please do not scale the drawing use figured dimensions.

4. All dimensions given are in millimetres

5. All room dimensions are "Internal dimensions"

6. Area - Net internal area of the room (including recess outside classroom).

7. All elevations are internal room elevations.
GENERAL

1. A good quality daylight distribution is required in each room with the average day lighting factor for each room to be in the range 4.5 to 5.5% with the emphasis on an even light distribution throughout the space. A schedule of all rooms and associated daylight factor is to be provided.

2. Adequate natural ventilation should be achievable without draughts. The window design with respect to geometry and opening sections shall be in compliance with Section 3, Natural Ventilation & Overheating, TGD-030 and must take into account overheating and air tightness standards. The resultant dry temperature shall not exceed 23°C for more than 5% of the school year in all habitable rooms and teaching spaces.

3. If rooms must be north facing due to site restrictions efforts should be made to achieve solar penetration to the rooms.

4. Blinds on windows in teaching spaces shall be manually operated heavy duty contract grade steel tube spring-less rollers, complete with side-winder ball chain control units and child safety clips appropriately sized for each opening and shall be in compliance with Irish Standard ISEN 13120 - Internal Blinds. The blind material shall be in compliance with Clause 4: Blinds, TGD-030 and should meet the designation of ‘flammeproof’ when assessed in accordance with BS 3120: 1993. A test certificate as in Schedule of ‘Fire safety of furnishings and fittings in places of assembly’ should be supplied for each item specified.

5. Classroom door with a minimum clear opening width of 850mm, door to incorporate 1450 x 190mm safety glazing strip.

6. SLIDING/FOLDING SCREENS

Folding door system with sound reduction of 45 db sound reduction with laboratory test results. Rolled steel or Aluminium finished in RAL 9010 ceiling sliding track fixed to structural support, door panel thickness 100mm with manually operated top and bottom sound seals. Profiled aluminium trims, top and bottom acoustic seal telescopic end expander, with internal integrated rubber sealing flaps and magnetic strips. Track system to be Type O Single point suspension from ceiling track. Laminate door finish in selected colour with surface spread of flame rating of min. Class O. Angle bead secured to 50 x 38mm timber grounds, structural support as per structural specification.

FIXED FURNITURE

1. 2400 x 1200mm magnetic white board, fixed 800-900mm above FFL.

2. 2400 x 1200mm notice board.

LOOSE FURNITURE

As per school’s approved furniture schedule (not part of building contract).

FINISHES:

1. Flooring: 7mm heavy contract cord carpet, 2.75kg per sq.m, 2.0m wide roll, fitted to manufacturered instruction, colour/pattern selected by Architect in consultation with the Client.

2. Walls: Durable, hard wearing, easy to clean paint

3. Ceilings: Suspended ceiling to have a sound attenuation performance as set out in TGD021.5 Acoustic Performance in Schools. For further information on finishes refer to TGD-021 & TGD-022.
This document is published by the Department of Education & Science and provides guidance in relation to the requirements for a Typical Primary School Library/General Resource Room. The document should be read in conjunction with the Technical Guidance Documents for Primary School Buildings as published by the Department of Education & Skills.

Where works are carried out in accordance with the guidance in this document, this will, prima facie, indicate compliance with Technical Guidance Documents for Primary School Buildings. However, the adoption of an approach other than that outlined in the guidance is not precluded provided that the relevant requirements of the Technical Guidance Documents are complied with.

Please do not scale the drawing; use figured dimensions.

All elevations are internal room elevations.

1. This document is published by the Department of Education & Science and provides guidance in relation to the requirements for a Typical Primary School Library/General Resource Room. The document should be read in conjunction with the Technical Guidance Documents for Primary School Buildings as published by the Department of Education & Skills. However, the adoption of an approach other than that outlined in the guidance is not precluded provided that the relevant requirements of the Technical Guidance Documents are complied with.

2. Where works are carried out in accordance with the guidance in this document, this will, prima facie, indicate compliance with Technical Guidance Documents. However, the adoption of an approach other than that outlined in the guidance is not precluded provided that the relevant requirements of the Technical Guidance Documents are complied with.

3. Please do not scale the drawing; use figured dimensions.

4. All dimensions given are in millimetres.

5. All elevations are internal room elevations.
All elevations are internal room elevations.

5. Please do not scale the drawing use figured dimensions.

3. This document is published by the Department of Education & Science and provides guidance in relation to the requirements for a Typical Primary School Administration/General Office. The document should be read in conjunction with the Technical Guidance Documents for Primary School Buildings as published by the Department of Education & Skills. However, the adoption of an approach other than that outlined in the guidance is not precluded provided that the relevant requirements of the Technical Guidance Documents are complied with.

1. A good quality daylight distribution is required with the average daylight factor for each room to be in the range 4.5 to 5.5% with the emphasis on an even light distribution throughout the space. A schedule of all rooms and associated daylight factor is to be provided.

2. Adequate natural ventilation should be achievable without draughts. The window design with respect to geometry and opening spacings shall be in compliance with Section 5: Natural Ventilation & Over-hanging: TGD-030 and must take into account overheating and air tightness standards. The resultant dry bulb temperatures shall not exceed 25°C for more than 5% of the school year in all habitable rooms and teaching spaces.

4. All room dimensions will vary depending on size of school

5. All room dimensions will vary depending on size of school

TYPICAL ADMIN/GENERAL OFFICE

Note: if the General Office adjoins the Principal’s Office a link door between offices may be required

NOTES:

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2. Where works are carried out in accordance with the guidelines in this document, this will, where necessary, indicate compliance with Technical Guidance Documents for Primary School Buildings as published by the Department of Education & Skills. However, the adoption of an approach other than that outlined in the guidance is not precluded provided that the relevant requirements of the Technical Guidance Documents are complied with.

3. Please do not scale the drawing use figured dimensions.

4. All dimensions given are in millimetres

5. All elevations are internal room elevations.

PLANS & ELEVATIONS

TYPICAL ADMINISTRATION/ GENERAL OFFICE

PLANS & ELEVATIONS

PRIMARY ROOM LAYOUTS

TYPICAL ADMINISTRATION/ GENERAL OFFICE

PLANS & ELEVATIONS

REVISED: 02 DATED: January 2018

APPROVED: YES

STAGE: DOCUMENT REVIEWED & APPROVED

DEPARTMENT OF EDUCATION & SKILLS

An Roinn Oideachais agus Ospóilchóta

PLANNING AND BUILDING UNIT
All elevations are internal room elevations.

6. All room dimensions are "internal dimensions".

5. All dimensions given are in millimetres

4. Please do not scale the drawing use figured dimensions.

3. This document is published by the Department of Education & Science and provides guidance in relation to the requirements for a Typical Primary School Principal's Office. The document should be read in conjunction with the Technical Guidance Documents for Primary School Buildings as published by the Department of Education & Skills. However, the adoption of an approach other than that outlined in the guidance is not precluded provided that the relevant requirements of the Technical Guidance Documents are complied with.

2. Entrance door with a minimum clear opening width of 850mm, door to incorporate 1400 x 150mm safety glazing strip.

1. General daylight distribution is required with the average daily lighting factor for each room to be in the range 4.5 to 5.0 with the emphasis on an even light distribution throughout the space. A schedule of all rooms and associated daylight factor is to be provided.

Adequate natural ventilation should be achievable without draughty. The window design with respect to geometry and opening sections shall be in compliance with Section 3. Natural Ventilation & Overheating, TGD-303 and must take into account overheating and air tightness standards. The resultant dry temperature shall not exceed 25°C for more than 5% of the school year in all habitable rooms and teaching spaces.

Blinds on windows shall be manually operated heavy duty contract grade steel tube springless rollers, complete with side window hall chain control units and child safety clips appropriately sized for each opening and shall be in compliance with Irish Standard BS 3120: 2003 - Internal Blinds. The blind material shall be in compliance with Clause 4. Blinds, TGD-030 and shall meet the designation of 'Fireproof' when assessed in accordance with BS 3120: 1969. A test certificate as in Appendix C of "Fire safety of furnishings and fittings in places of assembly" should be supplied for each item specified.

2. Entrance door with a minimum clear opening width of 850mm, door to incorporate 1400 x 150mm safety glazing strip.

1. General daylight distribution is required with the average daily lighting factor for each room to be in the range 4.5 to 5.0 with the emphasis on an even light distribution throughout the space. A schedule of all rooms and associated daylight factor is to be provided.

Adequate natural ventilation should be achievable without draughty. The window design with respect to geometry and opening sections shall be in compliance with Section 3. Natural Ventilation & Overheating, TGD-303 and must take into account overheating and air tightness standards. The resultant dry temperature shall not exceed 25°C for more than 5% of the school year in all habitable rooms and teaching spaces.

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Blinds on windows shall be manually operated heavy duty contract grade steel tube springless rollers, complete with side window hall chain control units and child safety clips appropriately sized for each opening and shall be in compliance with Irish Standard BS 3120: 2003 - Internal Blinds. The blind material shall be in compliance with Clause 4. Blinds, TGD-030 and shall meet the designation of 'Fireproof' when assessed in accordance with BS 3120: 1969. A test certificate as in Appendix C of "Fire safety of furnishings and fittings in places of assembly" should be supplied for each item specified.

2. Entrance door with a minimum clear opening width of 850mm, door to incorporate 1400 x 150mm safety glazing strip.
Please do not scale the drawing use figured dimensions.

1. This document is published by the Department of Education & Science and provides guidance in relation to the requirements for a Typical Primary School Kitchenette units. The document should be read in conjunction with the Technical Guidance Documents for Primary School Buildings as published by the Department of Education & Skills.

2. Where works are carried out in accordance with the guidance in this document, this will, prima facie, indicate compliance with Technical Guidance Documents for Primary School Buildings as published by the Department of Education & Skills. However, the adoption of an approach other than that outlined in the guidance is not precluded provided that the relevant requirements of the Technical Guidance Documents are complied with.

3. Please do not scale the drawing use figured dimensions.

4. All dimensions given are in millimetres
GP ROOM SERVERY - Typical Layout

TYPICAL SINK UNIT DETAILS

MULTI-PURPOSE ROOM - Typical Layout

NOTES
1. This document is published by the Department of Education & Science and provides guidance in relation to the requirements for a Typical Primary School Kitchens units. The document should be read in conjunction with the Technical Guidance Documents for Primary School Buildings as published by the Department of Education & Skills. 

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3. Please note the drawing use figured dimensions. All dimensions given are in millimetres.

4. The set of measurable scale response will not be permitted in any circumstances. Units to comply with BS 6222 and BS EN 1153 & Structural performance to BS 6222 Part 2, grade H. Surface finishes performance to BS 6222 Part 3 & Work classification to BS 6222 Part 3, Type 2.

5. Doors: Formica faced on 18mm FSC certified MDF, Formaldehyde levels to confirm to Type Class E1 of product Standard EN622-1, with 16 x 18mm beech trim to edge & 170 x 30mm or handle form damper by Reflex. Ref: 117 40 640 brushed stainless steel or equivalent.

6. 50mm FSC certified MDF, Formaldehyde levels to confirm to Type Class E1 of product Standard EN622-1, backing to rear of unit. 100mm plinths/teksoler board under units to accommodate services. Worktops: 40mm Formica faced FSC certified MDF, Twin bowl, Formaldehyde levels to confirm to Type Class E1 of product Standard EN622-1, 40 x 15mm varnished Beech edge trim to work top.

7. Doors, drawers, side panels, plinths, shelves finish/colour as selected by the Architect in consultation with the Client. Sinks: 150mm deep stainless steel single bowl (insulated on underside) single drainer sink. Taps: polished chrome single swivel neck mixer type with quarter turn lever type taps or equivalent (refer to TGD 020).

8. Unlit meeting, with a minimum clear opening width of 850mm, door to incorporate 1450 x 1900mm safety glazing strip.

9. Natural daylight shall be provided to the Teacher Room & the Multi-Purpose Room and where possible to the GP Room Servery.

10. Blinds to windows in both the Teacher's Room & the Multi-Purpose Room shall be manually operated heavy duty contract grade steel tube spring/less rollers with sidewinder and three ball-chain control units appropriately sized for each opening with Luxaflex Gardian blind fabric (or equivalent) to selected colour. Materials used in the manufacture of the blinds should meet the designation of ‘flammable’ when assessed in accordance with BS 3120: 1988. A test certificate as in appendix 'C' of "fire safety of furnishings and fittings in buildings" shall be provided for each item specified.

11. Ventilation where possible shall be natural ventilation by means of permanent wall vents and windows with opening sections. The ventilation area provided through permanent vents (whether in walls or windows) and opening sashes shall exceed the current guidelines set out in the Technical Guidance Documents to the Building Regulations. Where it is not possible to naturally ventilate the GP Room Servery it shall be mechanically ventilated.

12. Mechanical and Electrical Services - to be read in conjunction with TGD 002, TGD 004 and TGD 030.

13. 12mm painted FSC certified MDF, equivalent.

14. The use of melamine faced chipboard WILL NOT be permitted in any circumstances.

15. CONSTRUCTION OF KITCHENETTE UNITS:

Doors: Formica Faced on 18mm FSC certified MDF, 6222:Part 3, Type 2, grade H. Surface finishes performance to BS 6222 and BS EN 1153 & Structural performance to BS 6222:Part 2, grade H. Surface finishes performance to BS 6222 Part 3 & Work classification to BS 6222 Part 3, Type 2.

16. Doors: Formica faced on 18mm FSC certified MDF, Formaldehyde levels to confirm to Type Class E1 of product Standard EN622-1, with 16 x 18mm beech trim to edge & 170 x 30mm or handle form damper by Reflex. Ref: 117 40 640 brushed stainless steel or equivalent.

17. Twin switched 13A socket outlets

18. Elevation A-A

19. Elevation B-B

20. PLAN

21. ELEVATION A-A

22. ELEVATION B-B

23. TYPICAL SINK UNIT DETAILS

24. MULTIPLE PURPOSE ROOM - Typical Layout

25. NOTES

26. REVISION: 02 DATED: January 2013 APPROVED BY: P-T

27. STAGE: DOCUMENT ASSENT OF APPROVED STAGE: D-D

28. DEPARTMENT OF EDUCATION & SKILLS

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PLANNING AND BUILDING UNIT