

GENERAL:
DAYLIGHT FACTOR OF 4.5 - 5.5 % IN TEACHING SPACES TO BE ACHIEVED
THE WINDOW DESIGN SHALL BE IN COMPLIANCE WITH TGD 030, SECTION 3 NATURAL VENTILATION AND OVERHEATING AND MUST TAKE INTO ACCOUNT OVERHEATING AND AIRTIGHTNESS STANDARDS. THE RESULTANT DRY TEMPERATURE SHOULD NOT EXCEED 25 DEGREE C FOR MORE THAN 5% OF THE SCHOOL YEAR IN ALL TEACHING SPACES
ALLOW FOR THE SUPPLY AND FIT OF BLINDS TO ALL TEACHING SPACES ACCORDING TO TGD 030.

RENEWABLE ENERGY:
CONTRACTOR TO DEMONSTRATE COMPLIANCE WITH RENEWABLES REQUIREMENT OF TGD PART L, REQUIRING 20% OF THE ENERGY USED BY THE SCHOOL TO BE PRODUCED FROM ON-SITE RENEWABLES.

AIR TIGHTNESS AND SOUND:
DAR OR SIMILAR AND APPROVED AIRTIGHTNESS MEMBRANE/TAPE TO BE USED. ALL DETAILING TO BE FULLY SEALED UP AND INSPECTED PRIOR TO PASTERING/SECOND FIXING.
PRELIMINARY AND FINAL AIRTIGHTNESS TESTS TO BE INCLUDED FOR AND CARRIED OUT WHEN DIRECTED

LIGHTING:
ALL LIGHTING TO BE LED. LIGHTING CONTROLS AS PER TGD 030 AND TGD 031

ELECTRICAL:
ALL MECHANICAL AND ELECTRICAL INSTALLATIONS TO BE IN ACCORDANCE WITH DNE TGD001. REFER TO MECHANICAL & ELECTRICAL DRAWINGS AND SPECIFICATIONS AND PERFORMANCE STANDARDS

INTRUDER ALARM ????????

EMERGENCY LIGHTING ?????????

CCTV

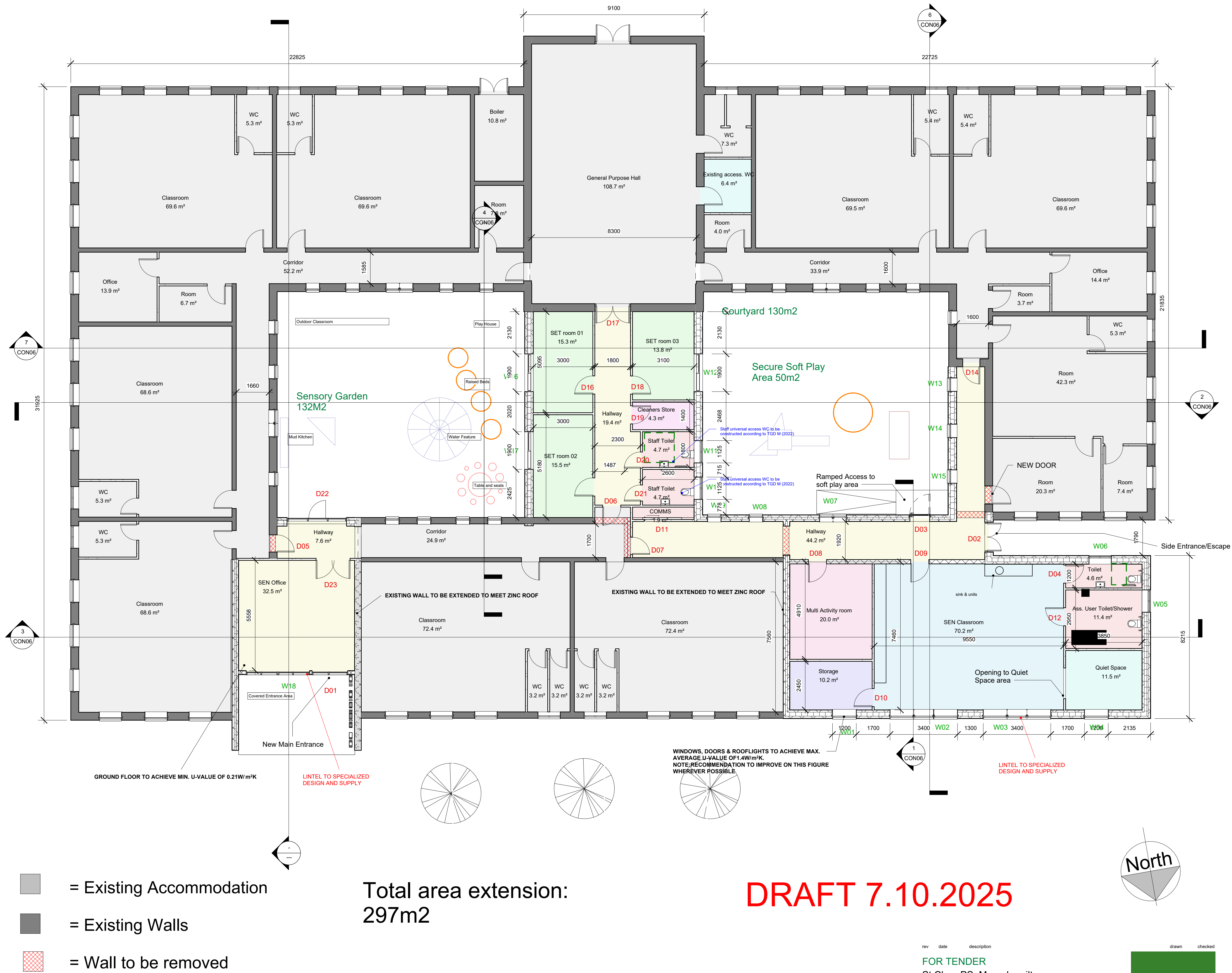
VENTILATION (NATURAL):
FOR PURGE VENTILATION: OPENING AREA OF WINDOWS TO BE 5% OF ROOM FLOOR AREA.
FOR BACKGROUND VENTILATION: PROVIDE TRICKLE VENTS TO ALL WINDOWS TO PROVIDE PASSIVE VENTILATION IN EXCESS OF MINIMUM REQUIREMENT OF 700MM2/M2
PROVIDE MECHANICAL EXTRACTS WHERE SHOWN ON M&E details

PART M COMPLIANCE
SEE DISABILITY ACCESS CERT

PART B COMPLIANCE
SEE FIRE SAFETY CERT

FIRE ALARM
SEE FIRE SAFETY CERT

CONSTRUCTION:
WALLS
RENDERED EXTERNAL WALLS
MIN 15MM EXTERNAL (coloured) RENDER
100MM DENSE CONCRETE BLOCK OUTER LEAF
200MM CAVITY, FILLED WITH AN EXPANDED POLYSTYRENE BEAD WITH A BONDING AGENT
100MM DENSE CONCRETE BLOCK INNER LEAF
13MM LIGHTWEIGHT PLASTER WITH PAINT FINISH
STAINLESS STEEL WALL TIES TO BS EN 845 2003 & STRUCTURAL ENGINEERS REQUIREMENTS TO SUIT CAVITY WIDTH. TIES AT 750MM C/C HORIZONTALLY AND 450MM C/C VERTICALLY WITH MIN 50MM EMBEDMENT. AT OPENINGS AND MOVEMENT JOINTS WALL TIES TO BE SPACED AT MAXIMUM 300MM VERTICAL. CTRS AND WITHIN 225MM OF OPENINGS AND MOVEMENT JOINTS UNLESS STATED ON DETAIL DRAWINGS.
DPC 150MM ABOVE GROUND LEVEL. DPC'S UNDER CILLS TURNED UP BACK AND SIDES. DPC'S STEPPED OVER ALL OPENINGS DPC'S VERTICALLY IN ALL JAMBS AT LINTELS, JAMBS AND SILLS. A 15MM THICKNESS OF INSULATION MATERIAL HAVING A VALUE OF 0.033W/MK. 300MM WIDE D.P.C TO ALL INTERNAL WALLS. CLOSE CAVITY AT WALL PLATE LEVEL AND UP GABLE WITH 6MM SLATE. U' VALUE ACHIEVED TO BE 0.45W/M2/K.
FLOORS:
NEW FLOOR:
40-75MM FLOWSCREED FINISHED FLOOR. DEPTH OF SCREED TO BE CONFIRMED BY MECHANICAL ENGINEER.
500G POLYETHYLENE / BUILDING PAPER SEPARATING LAYER.
150MM EPS INSULATION. INSULATION TO BE COMPATIBLE WITH UNDERFLOOR HEATING.
MONARFLEX RADON BARRIER (OR EQUIVALENT WITH AGREEMENT BOARD CERTIFICATION) TO COMPLETE GROUND FLOOR AREA FITTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
150MM THICK 3000 CONCRETE SLAB WITH TWO LAYERS OF A333 MESH AT BOTTOM.
MIN 25MM BLINDING LAYER
MIN 150MM THICK HARDWARE BED
RADON BARRIER
MONARFLEX RADON BARRIER (OR EQUIVALENT WITH AGREEMENT BOARD CERTIFICATION) TO COMPLETE GROUND FLOOR AREA FITTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. ALL JOINTS TO BE TAPED WITH DOUBLE SIDED TAPE AND ALL PIPES (IF ANY) PENETRATION BARRIER TO BE FITTED WITH TOP HATS AND TIES AND SEALED WITH RECOMMENDED DOUBLE SIDED TAPE.
HARDWARE
MIN 150MM THICK HARDWARE BED. HARDWARE TO CONFORM TO I.S. EN 13242:2002 AND MEET THE SPECIFICATION AS OUTLINED IN ANNEX E OF THE ACCOMPANYING GUIDANCE DOCUMENT TGD C, SR21, 2004+A1: 2007. THE LAYER OF HARDWARE SHOULD BE WELL COMPACTED, CLEAN AND FREE FROM MATTER LIABLE TO CAUSE DAMAGE TO THE CONCRETE. SPECIFIC GUIDANCE IS GIVEN IN 3.4.2 OF SR21, 2004+A1: 2007 ON LIMITING THE PRESENCE OF A REACTIVE FORM OF PYRITE WHICH MAY GIVE RISE TO SWELLING OR SULFATE ATTACK ON CONCRETE.
STRUCTURAL TIMBERS
ALL ROOF TIMBERS TO BE IN ACCORDANCE WITH B.S. 5269 PART 1:1988 AND TO BE STAMPED ACCORDINGLY. STRUCTURAL TIMBER TO BE T & B. GENERAL STRUCTURAL(S) OR C16 OR C18 GRADE.
INTERNAL PLASTERING
NEW INTERNAL BLOCKWORK WALLS
RENDER AND SKIM FINISH. ENSURE THAT INTERNAL PLASTERING IS STOPPED SHORT OF FINISHED SCREED BY 25MM. USE ALUMINIUM ANGLES TO ALL INTERNAL EXPOSED AREAS.
LINTELS
SEE ENGINEERS SPECIFICATIONS
INTERNAL FINISHES
FLOORING: FLOOR FINISHES GENERALLY SHOULD BE MULTI-PURPOSE IMPACT-ABSORBING ACOUSTIC LINOLEUM OR VINYL WITH A MINIMUM SLIP RATING OF R10. FLOORS IN WET AREAS SHOULD HAVE A NON-SLIP VINYL FINISH WITH A MINIMUM SLIP VALUE OF R10 WITH A MINIMUM SRV 36. COLOURS TO BE COORDINATED WITH THE CLERK OF WORKS.
COVERED SKIRTINGS TO TOILET/SHOWER ROOM WITH DEFINED SHOWER AREA WITHIN THIS SPACE HAVING AN ENHANCED SLIP RESISTANCE OF MINIMUM R11.
WALLS: DURABLE, HARD WEARING, EASY TO CLEAN PAINT THROUGHOUT
PROVIDE FULL HEIGHT WALL TILE FINISH TO STAFF SHOWER AND THE TWO ENCLOSING WALLS OF THE DISABLED SHOWER AREA (2.1M HIGH X 2.4M LONG FOR EACH). COLOUR, STYLE AND SAMPLES OF ALL THE ABOVE SHALL BE AGREED WITH THE CLIENT.
CEILINGS: SUSPENDED TIMBER CEILINGS TO HAVE SOUND ATTENUATION PERFORMANCE AS SET OUT IN DNE TGD021.5 ACOUSTIC PERFORMANCE IN SCHOOLS
EXTERNAL FINISHES
TYPICAL ROOF COVERING OR SIMILAR TO FLAT ROOF OVER SET ROOMS
ZINC ROOFING TO FLAT / LOW PITCH ROOF TO FRONT OF SCHOOL.
COLOURED PLASTER FINISH TO EXTENSION WITH 300MM PLINTH.
SEAMLESS ALUMINIUM GUTTERS AND DOWNPIPES.
DARK GREY ALUMINIUM COMPOSITE WINDOWS & DOORS
EXTERNAL DOORS:
SEE WINDOW & DOOR SCHEDULE
EXTERNAL WINDOWS:
SEE WINDOW & DOOR SCHEDULE
FIXED FURNITURE
SEN Classroom:
DEFINED CLERKROOM SPACE FOR EACH PUPIL WHICH WILL CONTAIN HESHER COAT, BAG, SHOES, BOOKS ETC. SHALL BE PROVIDED. FOR POST PRIMARY SCHOOLS, PERSONAL STORAGE CAN BE PROVIDED IN LOCKERS TO ENCOURAGE INDEPENDENCE.
SINGLE BOWL, SINGLE DRAINER SINK UNIT IN THE WET AREA. THE UNIT SHOULD BE FULLY WHEELCHAIR ACCESSIBLE, AND BE ELECTRONICALLY HEIGHT ADJUSTABLE.
LOW LEVEL LOCKABLE STORAGE UNITS IN THE WET PLAY AREA.
WHITEBOARDS AND NOTICE BOARDS AS FOLLOWS:
- TWO WHITEBOARDS (2400 X 1200MM NON-INTERACTIVE) FIXED BETWEEN 800 - 900MM ABOVE FFL.
- ONE NOTICE BOARD (2400 X 1200MM) FIXED BETWEEN 800 - 900MM ABOVE FFL.
- CARE SHOULD BE TAKEN WHEN LOCATING THESE ON WALLS SO AS TO FACILITATE AND NOT TO INTERFERE WITH THE PROVISION OF INTERACTIVE WHITEBOARDS AND/OR DATA PROJECTORS BY THE SCHOOL AUTHORITY.
- THE PROVISION OF NON-INTERACTIVE WHITEBOARDS AND NOTICEBOARDS IS PART OF LOOSE FURNITURE AND EQUIPMENT, AND SHALL BE FIXED IN PLACE BY THE MAIN CONTRACTOR. THE SCHOOL AUTHORITY IS RESPONSIBLE FOR THE PROVISION OF DATA PROJECTORS AND INTERACTIVE WHITEBOARDS AND THIS SHALL NOT FORM PART OF THE BUILDING CONTRACT.
- LOCATIONS OF ALL BOARDS ETC. MUST BE AGREED WITH THE SCHOOL BEFOREHAND.
Toilet/Shower Area:
STORAGE CUPBOARD AND SHELVING FOR SANITARY SUPPLIES TO TOILET/SHOWER ROOM
GENERAL NOTES:
ON COMPLETION OF WORKS CONTRACTOR TO ENSURE THAT EVERYTHING IS LEFT CLEAN, TIDY AND WATERTIGHT AND STRUCTURALLY SOUND TO CLIENTS ENTIRE SATISFACTION. ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH B.S. CODES OF PRACTICE AND BUILDING REGULATIONS (REPUBLIC OF IRELAND 1997) WITH AMENDMENTS. CONTRACTOR TO VISIT SITE AND SATISFY HIMSELF AS TO THE NATURE OF ALL WORK TO BE DONE.



Ground Floor CONSTRUCTION
1 : 100

NOTES
limitation of responsibilities
this drawing is not to be scaled.
the scope of the architects work is limited to the production of drawings and information leading to the commencement of work on site.
the architects are not responsible for the administration of the contract nor the quality of work on site.
decisions that are essential to the implementation of the construction on site are to be at the sole risk and discretion of the contractor and no responsibility is taken in contract or tort for any such decision.
the accuracy of 'as built' information is reliant upon the quality and completeness of the information provided by the main contractor.