

PROPOSED EXTERNAL WINDOW & DOOR SCHEDULE

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| Location: Proposed Classroom 01 & 02 (2 Units)<br><br>Comment: Triple glazed Thermally Broken Aluminum window system with opening sections as indicated. Manual winders to all top opening sections. To be read in conjunction with Architects Full Specification | Location: Proposed Classroom W/C's (4 Units)<br><br>Comment: Triple glazed Thermally Broken Aluminum window system with top hung opening as indicated. Opaque glazing to be included. To be read in conjunction with Architects Full Spec. | Location: Classroom External Door (1 Unit)<br><br>Comment: Triple glazed Thermally Broken Aluminum Double Door system with level access threshold as indicated, Proposed Ironmongery shall consist of push plates internally and grab handles externally connected to access control system and locking mechanism To be read in conjunction with Architects Full Specification | Location: Existing Classroom W/C (1 Unit)<br><br>Comment: Aluclad Fire Rated Glazing system shall be installed to existing structural opening following the removal of existing non fire rated window system. To be read in conjunction with Architects Full Specification. |

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| <p><b>Architectural Drawings Only:</b></p> <p>All door dimensions to be measured on site and confirmed by contractor prior to order</p> <p>Door opening directions to be confirmed by Architect prior to manufacture</p> <p>Drawings to be read in conjunction with Architects plans &amp; Fire Safety Certificate drawings</p> <p>Architect must be notified of any discrepancies of door openings from drawings prior to order being completed</p> | <p>Refer to ironmongery schedule included in architects specification</p> <p>Drawings to be read in conjunction with performance (To comply with d.o.e guidelines )</p> <p>All windows and door to comply with the latest Irish Building Regulation - Technical Guidance Documents (Note: NZEB Regulations apply)</p> | <p><b>Window / Door Schedule Legend</b></p> <p>Window / Door Number Tag used on Plan &amp; Elevation</p> <p>Glazing Manifestation to glazing in accordance with TGD - Part M where applicable, manifestation design to be approved by architect prior to manufacture.</p> <p>Clear Glazing</p> <p>Thermally Broken Aluminum Window / Door. Frame. RAL : TBC By Architect</p> <p>Laminated Safety Glass to all glazed panel below 800mm in accordance with TGD - Part K</p> <p>FG Fixed Glazing</p> <p>HLO High level Opening. Opening Mechanism required to provide minimum 300mm clear opening.</p> <p>LLO Low Level Opening. Restrictor Required to provide maximum 100mm clear opening</p> <p>Opaque glazing to all W/C areas</p> <p>Window Ventilator to Provide Background Ventilation in Accordance with TGD Part F 2019</p> | L |
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INTERNAL DOOR SCHEDULE

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| Location: Proposed Classroom 1 & 2 (2 Units)<br><br>Comment: FD Nil - 1050mm Structural width Formica Laminate Door with Clear Vision Panel. To be read in conjunction with architects spec clause 32 & Ironmongery Schedule. | Location: Classroom W/C's (4 Units)<br><br>Comment: FD Nil - 900mm Structural width Formica Laminate Solid Door. To be read in conjunction with architects spec clause 32 & Ironmongery Schedule. | Location: Proposed Lobby Door (1Unit)<br><br>Comment: FD60s - 1925mm Structural width Formica Laminate Double Door with Clear Vision Panels. To be read in conjunction with architects spec clause 32 & Ironmongery Schedule. |

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| <p><b>Architectural Drawings Only:</b></p> <p>L Denotes: Laminated Safety Glass to 'BS EN 12600'.</p> <p>All door dimensions to be measured on site and confirmed by contractor prior to order</p> <p>Door opening directions to be confirmed by Architect prior to manufacture</p> <p>Drawings to be read in conjunction with Architects plans &amp; Fire Safety Certificate drawings</p> <p>Architect must be notified of any discrepancies of door openings from drawings prior to order being completed</p> <p>Refer to ironmongery schedule included in Architects specification</p> | <ol style="list-style-type: none"><li>Internal doors to be 44mm thick solid core doors with Formica or equivalent laminate finish.</li><li>All glazing to comply with BS 6262. Safety glass to be minimum 6.4mm laminated to BS EN 12607.</li><li>Fire rating of glazing to comply with Irish Building Regulations Technical Guidance Document Part B 2006.</li><li>Internal doors shall be of a clear opening size to permit ease of access, egress and escape. Clear openings shall be at least dimension given. For double doors clear opening dimensions are given for master leaf.</li><li>To be read in conjunction with Architectural ironmongery schedule. Ironmongery shall be designed for heavy duty use and must be provided in anodized aluminum or stainless steel, appropriate to the level and frequency of use. Classroom type locks to be provided to all teaching spaces with lock &amp; coin slot on corridor side and thumb turn on classroom side.</li><li>Gaps between door / screen frames &amp; the walls in which they are fixed should be less than or equal to 10mm. These gaps to be filled to the full width of the frame with ram packed mineral wool &amp; sealed on both sides of the frame with non hardening sealant.</li><li>Sample section of door core, sample of frame &amp; test certification to be submitted to architect for approval prior to manufacture.</li><li>Core: 50 x 36mm MDF internal stiles (720kg/m³) and rails framework with composite Flatboard (650kg/m³) core 36mm thick &amp; 4mm MDF sheets bonded to both sides of framework &amp; flatboard.</li><li>Facings: 0.9mm high pressure Formica laminate - colour to be confirmed by architect from full range</li><li>Lippings: 46mm x 10mm exposed hardwood ash lippings to all four edges of the door leaf.</li><li>Frame: ash rebated frame. Finish as delivered: full factory finish.</li></ol> | <ol style="list-style-type: none"><li>Door furniture shall be easily gripped and operated, clearly visible and contrasted against its background.</li><li>All glass for internal doors and screens to be Pyrostop or equally approved. Georgian wire glass is not permitted.</li><li>All doors to be provided with stainless steel kick plates on both sides.</li><li>All fire doors to include Signage as required</li><li>Internal door thresholds shall be flush and absolutely level to facilitate wheelchair movement.</li><li>Door closers shall only be provided on all fire resisting door sets. Gaps between door frames &amp; the walls in which they are fixed should be less than or equal to 3mm. These gaps to be filled to the full width of the frame with ram packed mineral wool &amp; sealed on both sides of the frame with non-hardening sealant</li><li>All fire door sets (door &amp; frame) to comply with bs 476 &amp; require certificates from manufacturer stating the name of the school and the i.d. number of the relevant doors e.g. DT-01, the bs number and test type (fire resisting door sets achieving 30 minute &amp; 60-minute fire resistance (integrity) in accordance with bs 476 pt 22. Doors fitted with smoke seals to achieve a leakage rate not exceeding 30ml/m² (head and joints) when tested at 25pa to bs476: sect 31.1.</li><li>Integrity and insulated glazing should be provided as follows: glazing contained within a compartment wall / across door shall achieve required 30/30 or 60/60 minute fire rating in terms of integrity and insulation.</li><li>Perimeter seals as required to meet acoustic performance.</li><li>Intumescent strips as required to comply with FSC</li><li>Moisture content upon leaving workshop between 8% - 14 %</li><li>Finings to be fitted in accordance with BS 8214.</li><li>To be read in conjunction with Architects floor plan drawings for l/h or r/h doors</li><li>To be read in conjunction with DAC and FSC drawings.</li><li>Contractor to include for manifestation as identified in architects door schedule in compliance with TGD Part M 2010 Section 1.2.4.</li></ol> |
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EXTERNAL DOOR SPECIFICATION

- Style and break-ups to be signed off by Architect prior to order.
- Provide for Triple glazed polyester powder coated, commercial grade, thermally broken aluminium windows and doors specified exceeding D.O.E TGD 021-1. U-value to exceed the performance of 1.2 W/m²K as per 2021 building regulations (nZEB).
- Contractor to include for the supply and fitting of all units and is responsible for accurately measuring structural openings prior to ordering. All windows to be foam filled to perimeter, mastic sealed to vertical DPC joint upon completion of external reveals. Internal reveals to be caulk filled upon completion of internal plaster reveal.
- Doors to have a maximum threshold strip of 15mm for wheelchair access.
- Windows must have a design life span of 40 years.
- All windows and doors to be polyester powder-coated aluminium systems. Extruded aluminium profiles shall be fabricated from designated treated alloy 6060 or 6063 in tempers T4, T5 or T6 conforming to bs EN 755-9:2001. The aluminium profiles used in the construction of the frames excluding glazing beads, nibs, interlocks and similar features shall be, at minimum tolerance, not less than 1.2 mm thick.
- All windows are to be double / Triple glazed and thermally broken. Windows shall be glazed in accordance with the recommendations given in BS 6262:2018.
- Colour of window / door systems to be confirmed by architect prior to confirmation order.
- All high-level opening sections to have low level manual winders for opening, supplied by window contractor. Where opening window that are considered to be unreachable, they shall be fitted with manual winding window gearing. Each set of windows shall be controlled by 1 no. Operator; windows shall be opened using 380mm chain openers with conduit, winder cables and saddle fixings to wall. All components shall be finished in a selected polyester powder coated paint finish.
- All opening sections to be fitted with restrictors preventing sections from opening beyond 100mm. High level opening sections to be fitted with winders allowing windows to open 320mm.
- External windows to be thermally broken polyester powder-coated aluminium window system with a thermal performance to comply with building regulations. Glazing type and thickness shall be selected, using the recommendations given in BS 6262: 2018, to withstand the design wind pressure calculated in accordance with BS 6375-1:2015. The type and quality of glass shall conform to BS 952-1:1995.
- All safety glazing to be toughened and laminated glass.
- All glazing to toilet and shower area to include opaque glazing, sample to be approved by architect.
- Weather tightness to BS 6375-1:2015. Weather strips and gaskets to BS 4255 part 1.
- Standard ironmongery to all doors and windows to be agreed with architect prior to Manufacture.
- Fire escape doors to have panic ironmongery where necessary (see FSC Report & drawings).
- Threshold piece to all external doors to be supplied and fitted by window contractor with 15mm max height.
- Master key to be provided for all internal and external doors
- All external windows and doors to be submitted to architect as shop drawings with sample provided for written approval of architect prior to manufacture.
- The completed window shall conform to the performance requirements for operation and strength specified in BS 6375-2.
- Blinds to conform to D.o.E specification, See Below.
- No windows should be manufactured without written approval of window samples as set out in the works requirement. All of the above to be carried out by window sub-contractor.
- ACO drainage channels fitted to front of doors and sidelights and to connect to surface water drainage as indicated on drawings.
- Contractor to include for manifestation and door clear opening widths in compliance with TGD Part M 2010 Section 1.2.4 Accessible entrance doors
- Refer to F.S.C Drawings for minimum door opening clear widths and directions which supersedes TGD part M 2010.