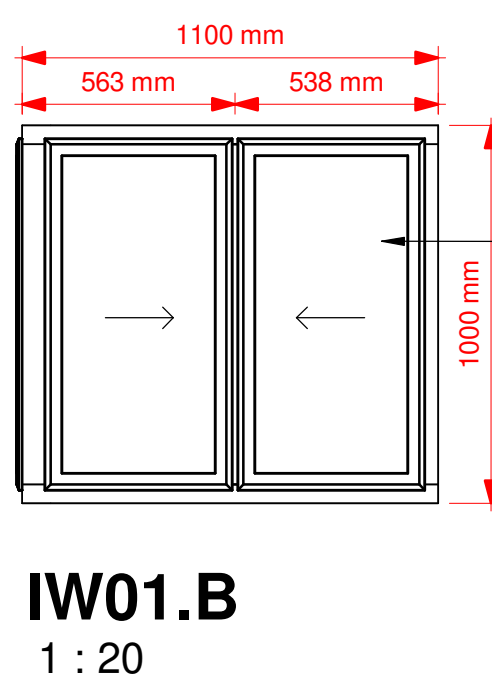
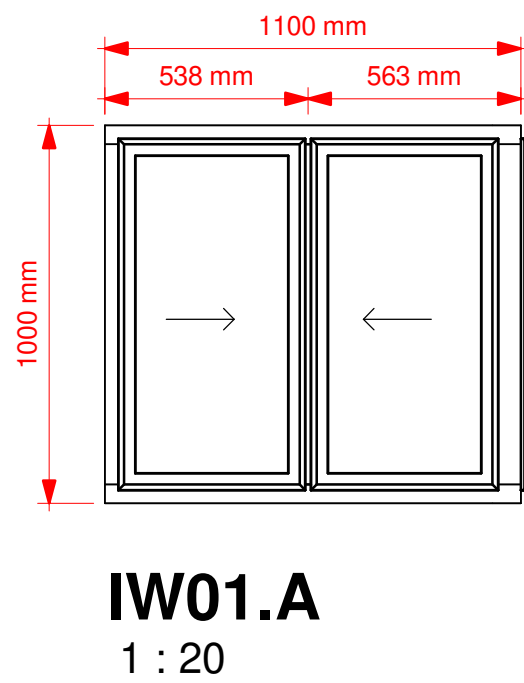
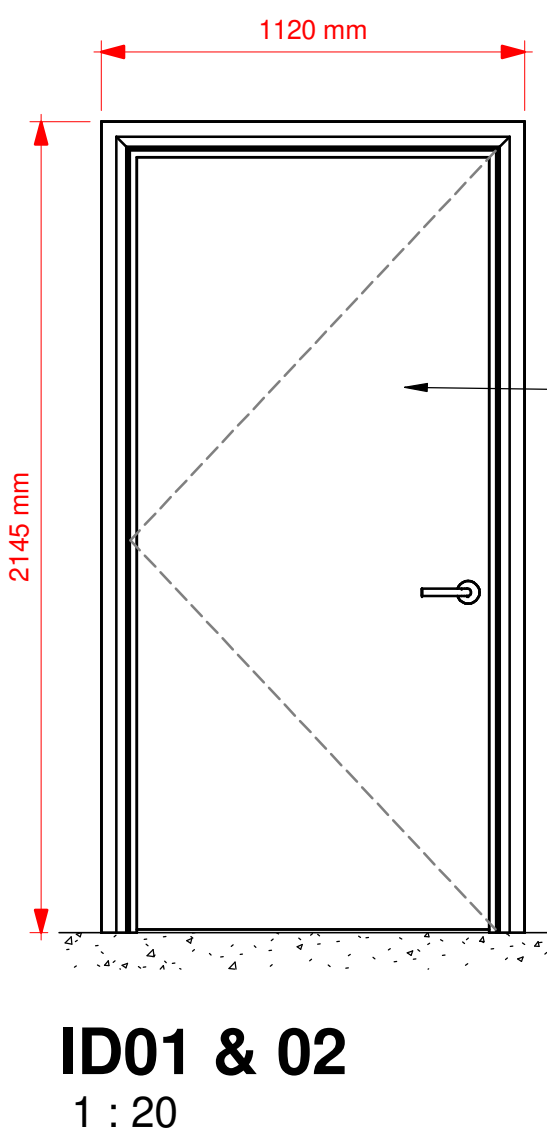
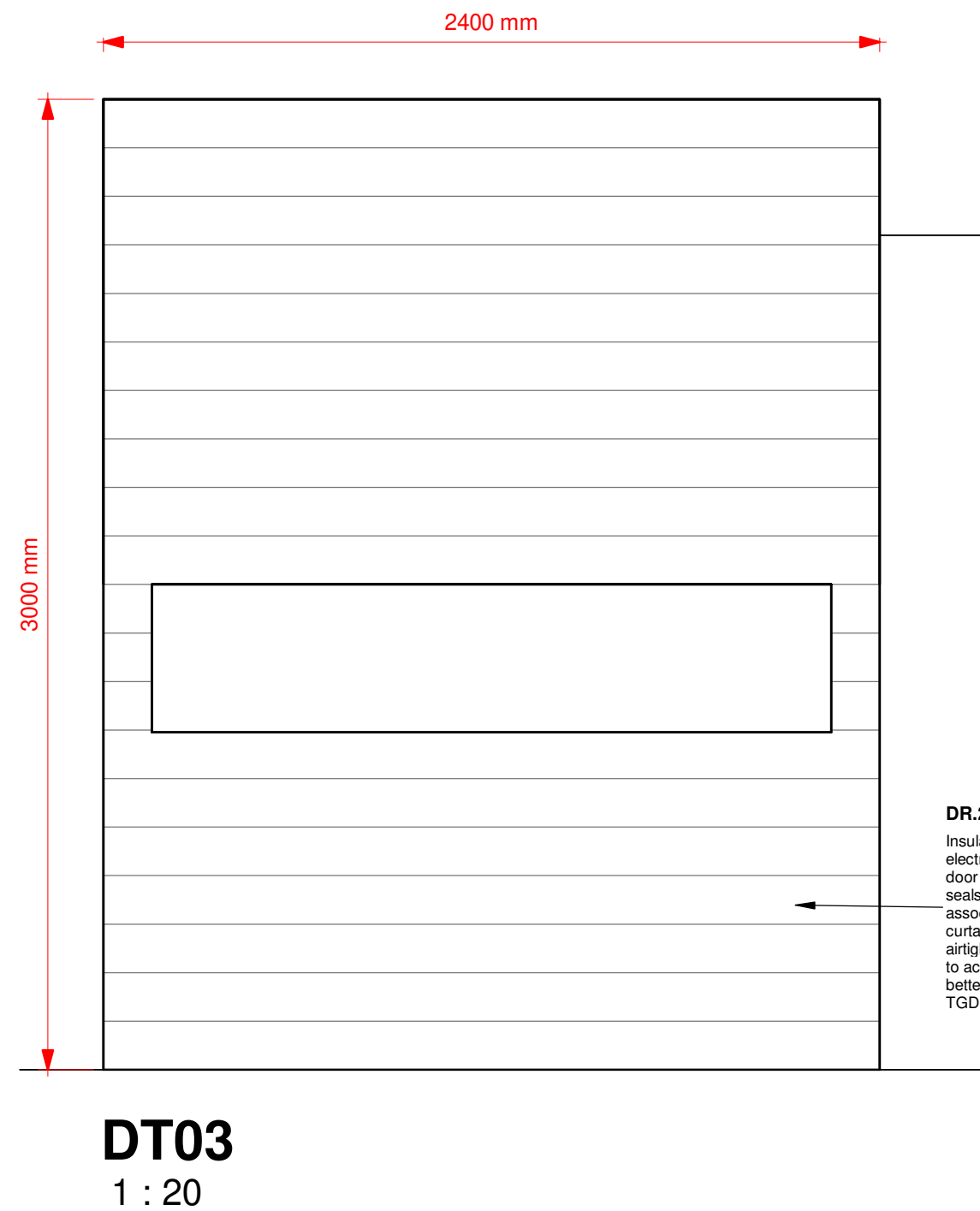
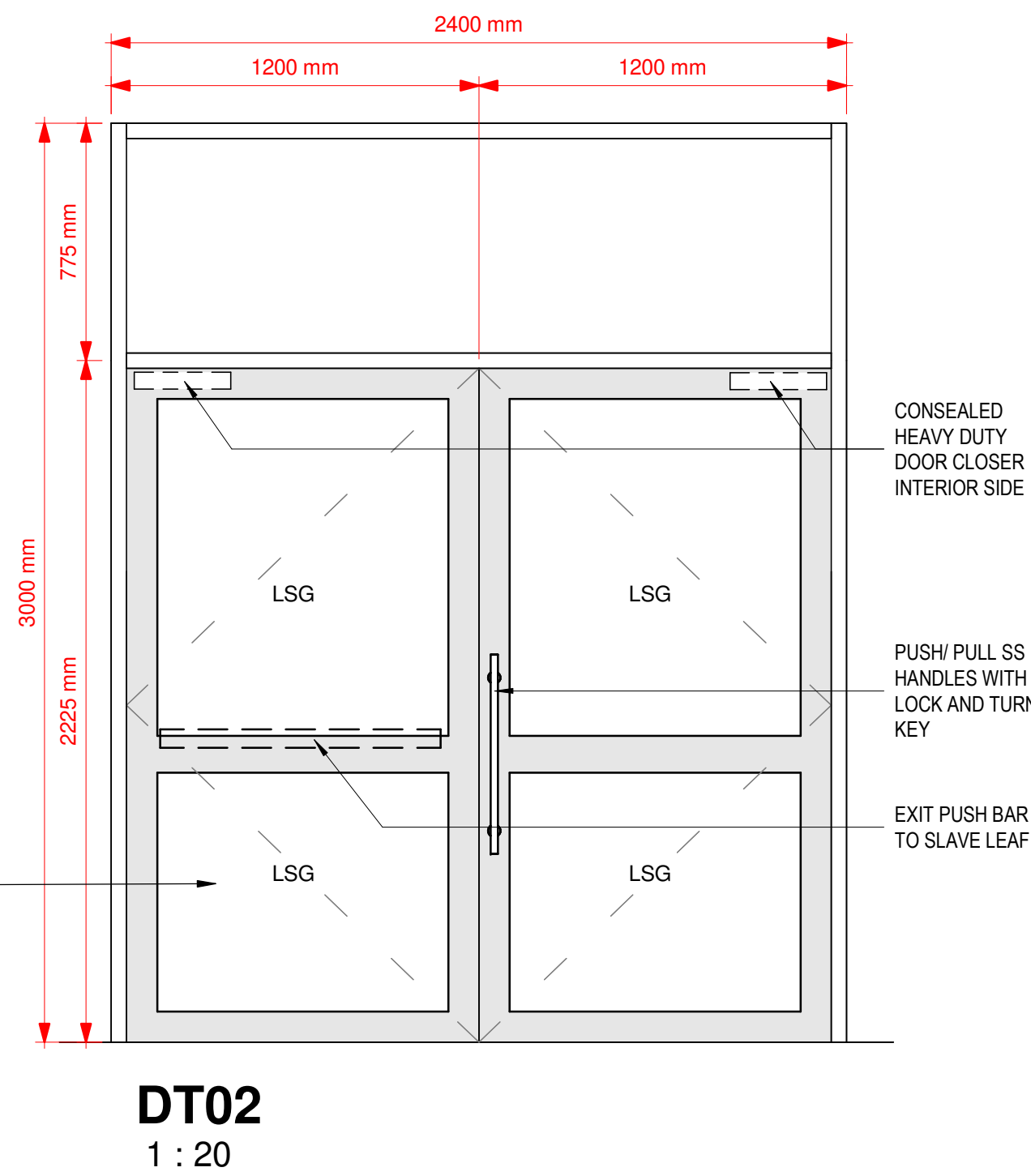
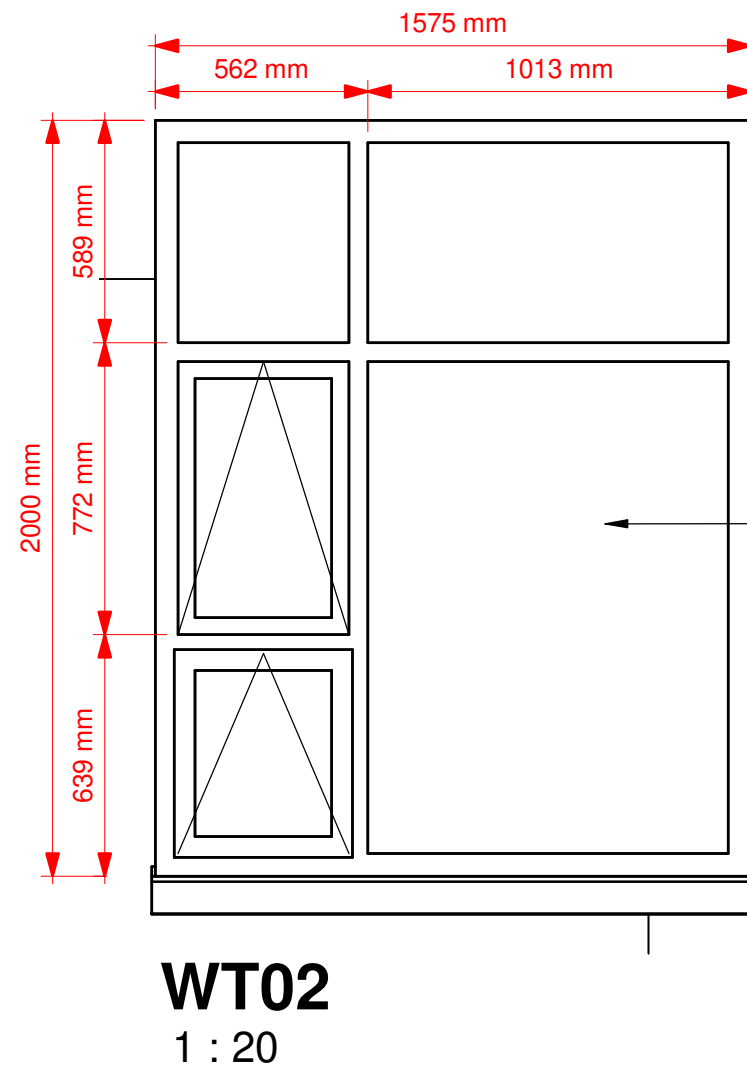
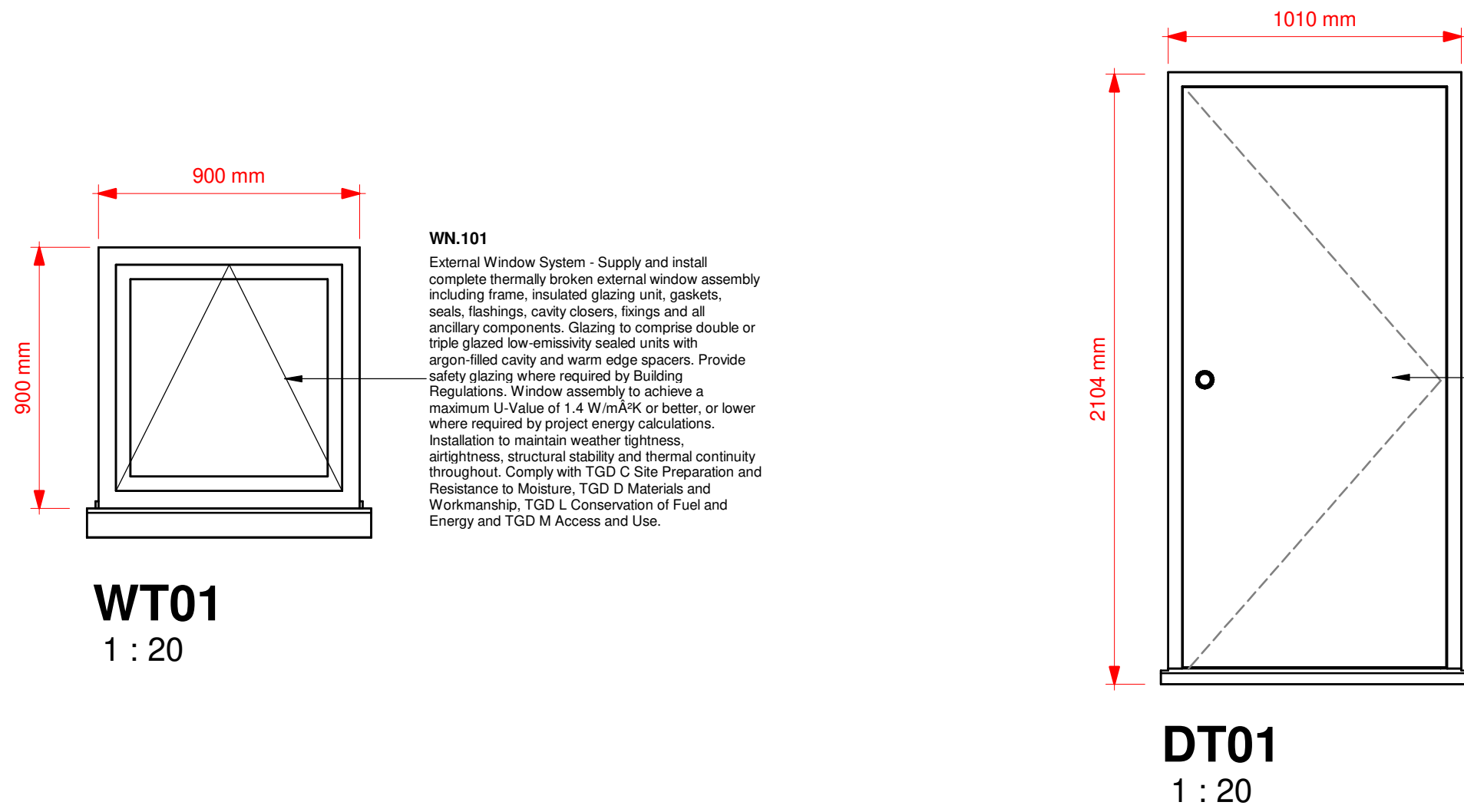




- GENERAL SPECIFICATION - EXTERNAL ALUMINIUM WINDOWS/ DOORS:**
- DIMENSIONS PROVIDED ARE INDICATIVE. ALL DIMENSIONS SHOULD BE CHECKED ON SITE, PRIOR TO MANUFACTURE.
 - WINDOW/DOOR SUPPLIER TO SUBMIT ALL SHOP DRAWINGS FOR ARCHITECTS REVIEW & COMMENT PRIOR TO MANUFACTURE. PRODUCTION OF WINDOWS AND DOORS WILL NOT BE AUTHORIZED UNTIL ALL ARCHITECTS COMMENTS AND NOTES HAVE BEEN INCLUDED ON THE WINDOW/DOOR SUPPLIER SHOP DRAWINGS.
 - ALL WINDOWS TO COMPLY WITH TECHNICAL GUIDANCE DOCUMENT 021-1A OF DEPARTMENT OF EDUCATION AND SKILLS.
 - SYSTEM SUBMITTAL U-VALUE:
GLAZING TO CONFORM TO THE GUIDELINES SET OUT IN THIS STANDARD.
ALL WINDOWS SHALL ACHIEVE A WHOLE WINDOW U-VALUE NO LESS THAN 1.4 W/m²K. ALL UNITS TO BE 30MM IN THICKNESS TYPICAL PANE MAKE-UP BMT TOUGHENED GLAZING - 20MM ARGON FILLED CAVITY (25%); 10MM SOFT COAT THERMAL; TOUGHENED GLAZING WHERE SAFETY GLAZING IS REQUIRED THE SUPPLIER SHALL SUBMIT CALCULATIONS TO SHOW AN OVERALL U-VALUE OF 1.2 W/m²K. THE SPACER USED TO SEPARATE THE GLAZING SHOULD BE A WARMEDGE DESIGN BAR AND THE SPACE BETWEEN THE PANE FILLED WITH ARGON GAS. A MINIMUM REQUIREMENT FOR THE U-VALUE OF THE GLAZING FOR A WINDOW DESIGN SIZE 1.2M WIDE X 1.5M HIGH TOP HUNG OPENING SASH FULL SIZE SHALL BE 1.2 W/m²K. MANUFACTURER TO PROVIDE DOCUMENTARY EVIDENCE THAT THE ABOVE SIZED WINDOW CAN ACHIEVE THE ABOVE THERMAL PERFORMANCE. UPVC WINDOW SYSTEMS WILL NOT BE ACCEPTABLE.
REFER TO U-VALUES REQUIREMENTS OF THE PART L NEAP ANALYSIS.
 - EACH FABRICATOR/INSTALLER MUST DEMONSTRATE COMPLIANT GLASS CHOICE WITH TENDER RETURN.
 - WINDOW SYSTEM TO BE ALUMINIUM POLYESTER POWDER COATED / POLYAMIDE CASEMENT.
THERMAL TRANSMITTANCES FOR WINDOW AND DOOR SYSTEM SHOULD BE CALCULATED WITH A FRAME AREA EQUALLING 20% OF THE WHOLE WINDOW AREA.
UPVC WINDOW SYSTEMS WILL NOT BE ACCEPTABLE.
 - GLAZED IN VENTS; PROVIDE G.I.V.'S ON ALL OPENING SECTIONS AND DOORS UNLESS OTHERWISE INDICATED E.G. IN DEAD LIGHTS. DUCOPLUS OR SIMILAR APPROVED TO BE USED.
WHERE THE G.I.V. WILL BE 1800MM ABOVE FFL, EACH VENT MUST BE CAPABLE OF PROVIDING A MINIMUM FREE AIRFLOW IN ACCORDANCE WITH PART F OF THE CURRENT BUILDING REGULATIONS. VENTS SHALL BE TESTED TO I.S. EN 14351-1:2009+A2:2016 AND ACHIEVE THE SAME REQUIREMENTS OF THE WINDOW UNIT FOR PURPOSES OF AIR PERMEABILITY, WATER TIGHTNESS AND WIND RESISTANCE.
 - THE JOINERY SUPPLIER IS RESPONSIBLE FOR EXTERNAL JOINERY COMPLIANCE WITH PART F IN PARTICULAR. IN PROVIDING COMPLIANT BACKGROUND GLAZED IN VENTS IN ROOMS WITHOUT MMR UNITS, THE GLAZED IN VENTS SHOULD COMPLY WITH TABLE 4 BASIC VENTILATION PROVISION USING BACKGROUND VENTILATORS AND SPECIFIC PROVISION FOR EXTRACT AND PURGE VENTILATION. IN PARTICULAR, THEY SHOULD HAVE A MINIMUM EQUIVALENT AREA OF BACKGROUND VENTILATION OF 7.100 MM² FOR FLOOR AREA UP TO 10 M², AND FOR THE FLOOR AREA OVER 10 M² - 700 MM² PER EACH M² OF THE FLOOR AREA.
 - THE WINDOW SYSTEM MUST HAVE THE FOLLOWING TEST CERTIFICATES AVAILABLE FOR INSPECTION:
 - AIR INFILTRATION - EN 1026:2016
 - WATER PENETRATION - EN 1027:2016
 - WIND RESISTANCE - EN 12211:2016
 - WEATHER TIGHTNESS - I.S. EN 14351-1:2009+A2:2016
 - INSULATING GLASS UNITS SHALL CONFORM TO I.S. EN 1279-1:2018
 - THE TEST PROCEDURES ARE BASED ON BRITISH STANDARDS BUT MAY BE ALTERED PRIOR TO TESTING TO MEET EUROPEAN STANDARDS AND PROCEDURES.
 - PRE-MANUFACTURED WINDOW COMPONENTS SHALL BE MARKED OR LABELLED WITH:
THE NAME OR TRADEMARK OF THE MANUFACTURER, THE NUMBER AND DATE OF THE BRITISH STANDARD, I.E. THE RELEVANT STANDARD FOR THE APPROPRIATE MATERIAL USED TO CONSTRUCT THE WINDOW.
 - OPENINGS TO HAVE ESPAG LOCKS, WINDOWS TO BE FITTED WITH RESTRICTORS.
 - IRONMONGERY TO COMPLY WITH BS 8300:2008.
 - PROVIDE TELEFLEX REMOTE OPENING DEVICES TO ALL OPENING SECTIONS ABOVE 1800MM FROM FFL.
 - POSITIONS OF POSSIBLE STRUCTURAL MULLIONS & TRANSOMS INDICATIVE ONLY. IT IS THE RESPONSIBILITY OF THE WINDOW/DOOR MANUFACTURER TO DESIGN STRUCTURALLY SOUND WINDOW/DOORS INCLUDING STRUCTURAL MULLIONS & TRANSOMS WHERE REQUIRED. MAKING UP LARGER WINDOWS USING SEPARATE 'PAIRED' GLAZING UNITS WILL NOT BE ACCEPTED.
 - IT IS THE RESPONSIBILITY OF THE WINDOW/DOOR SUPPLIER TO PROVIDE AIRTIGHT AND SECURE INSTALLATION OF THE WINDOWS INCLUDING REQUIRED AIR TIGHTNESS TAPES, INSULATION AND MASTIC.
 - DOOR AND
 - PROVIDE WHERE REQUIRED, REPLACEMENT DRAINED DOOR THRESHOLDS, COMPLYING WITH PART M ALUMINIUM THRESHOLDS.
 - PROVIDE WHERE REQUIRED NEW HARDWOOD BULLNOSED WINDOW BOARDS AND HARDWOOD WINDOW LINERS AND TRIMS PAINTED TO MATCH EXISTING.
 - IT IS THE RESPONSIBILITY OF WINDOW/DOOR SUPPLIER TO MAKE THE WINDOW/DOOR REVEALS GOOD INCLUDING REQUIRED PLASTERING AND PAINTING.
 - USE APPROPRIATE AIR TIGHTNESS TAPES, DPM AND SEALANTS TO ALL DOOR AND WINDOW REVEALS.
 - PROVIDE A LAMINATED LABEL INCORPORATING SIMPLE INSTRUCTIONS FOR OPERATING THE FOLLOWING ELEMENTS IF PRESENT IN THE ROOM SHALL BE LOCATED IN A SUITABLE LOCATION NEAR THE DOOR IN EACH TEACHING SPACE.
NATURAL VENTILATION:
ADVICE ON HOW THE SPACE CAN BE NATURALLY VENTILATED EFFECTIVELY AND EFFICIENTLY VIA THE WINDOWS DURING SCHOOL HOURS.
BLINDS
INCLUDE THE FOLLOWING 'RAISE BLINDS WHEN NOT REQUIRED IN ORDER TO REDUCE ARTIFICIAL LIGHTING'.
 - THE CONTRACTOR SHALL PROVIDE ONSITE VERIFICATION OF THE PRESENCE AND CONCENTRATION OF ARGON GAS ON A SAMPLE OF GLAZED UNITS SELECTED BY THE ARCHITECT USING A SPARKLIKE LASER OR SIMILAR MEASUREMENT DEVICE.

Windows & Doors Schedule						
Window/ Door Type	Type	Instances	Description	Area	Width	Height
Doors						
DT01	D01			2 m ²	1010	2110
DT03	D03			7 m ²	2400	3000
IDT.01	D04, D05		Internal Single Door	2 m ²	1050	2110
IDT.05			See Dimentions On Drawings			1
Windows						
IWT.01	W03		Internal Corner Window	2 m ²	1100	1000
RLT01	RL01, RL02, RL03, RL04, RL05, RL06, RL07, RL08			1 m ²	1000	3000
WT01	W01			1 m ²	900	900
WT02	W02			3 m ²	1575	2000

Revision Number	Revision Date	Issued by	Revision Description	

Use figured dimensions only. All dimensions to be checked on site.
Architects to be informed immediately of any discrepancies before work commences on site
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