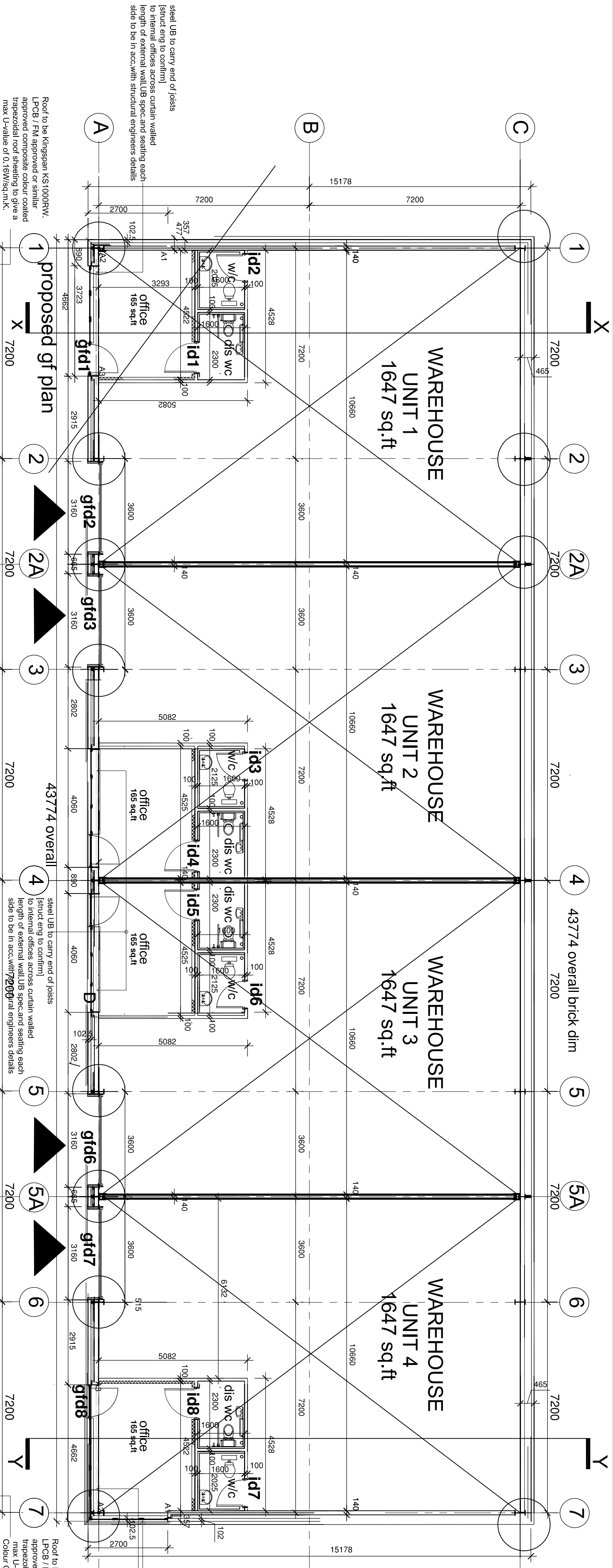
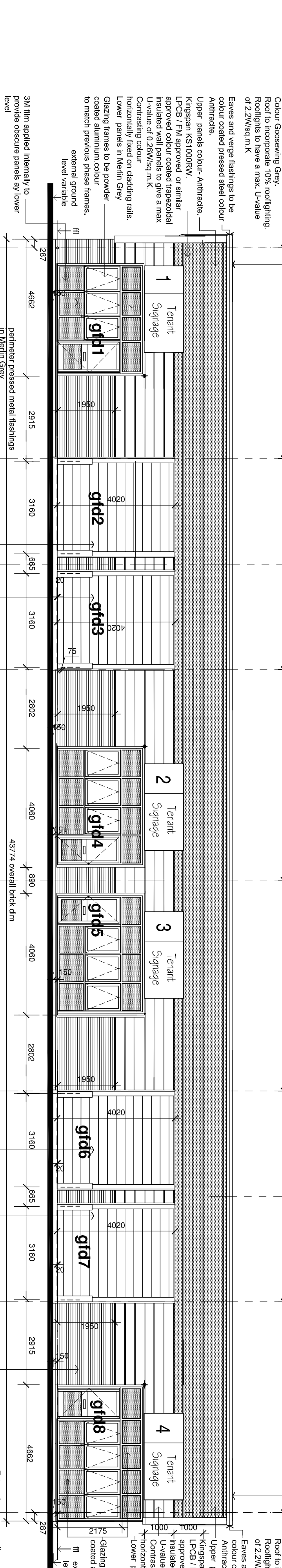
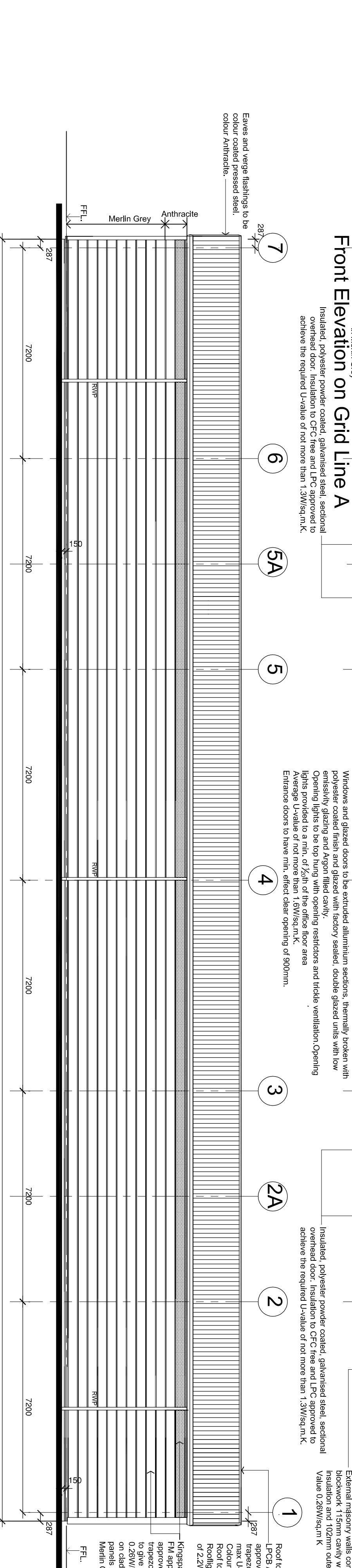




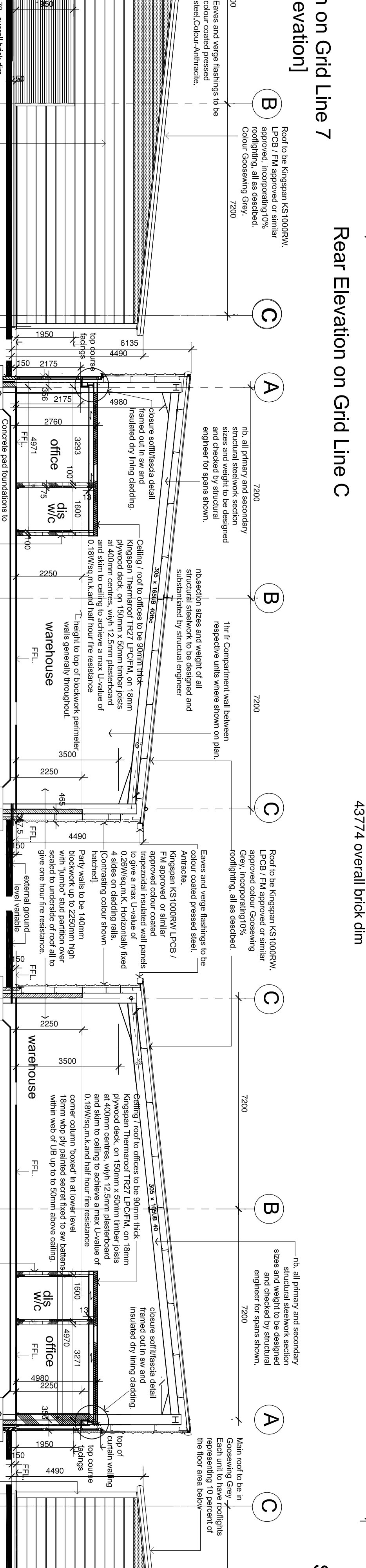
All air emissions shall be verified by the contractor on site prior to work commencing. Do not scale from this drawing. This drawing is the property of Northern Trust and copyright is reserved by them. The drawings are to be used for the construction of the building and are not to be used for any other purpose. All insulation to be CFC/HCFC-Free with zero Ozone Depletion Potential. All Cladding details to comply with Kingspan Enhanced details. MATERIAL COLOUR KEY Steel paintwork - Merlin Grey. Kingspan KS1000RW Insulated Roof Panel (LPCB Approved or similar approved colour). Gutters, Fascias & Vapors - Anthracite. Rainwater pipes - Colour to match cladding. Kingspan KS1000RW Insulated Wall Panel (LPCB Approved or similar - Anthracite where shown hatched). Merlin Flashings to match panel colour. Brickwork - Northern Brick ref-TN05 65mm County Multi. Drainpipes - Anthracite. Personnel doors - Anthracite. Escape doors - Anthracite. Windows - Extruded Aluminium window sections - Colour Graphite Grey. Glazing unit - Colour Grey. Hatched areas denote contrasting colours, actual locations of horizontal panels / rear doors may vary slightly to suit setting-out of panels. CRITICAL DOOR DIMENSIONS Internal Doors - Minimum effective clear width 850mm. Entrance Doors - Minimum effective clear width 900mm. Fire Exit Doors - Minimum effective clear width 850mm. All window panels to have minimum zones of visibility between 500mm to 800mm and 1150mm to 1500mm. REQUIRED U VALUES Warm Roof Construction-0.16 W/sq.m.K External Wall Construction-0.26 W/sq.m.K Ground Floor Construction-0.18 W/sq.m.K [only applies under heated spaces i.e. w.c's and offices]. Windows/Rooflights-2.2 W/sq.m.K Personnel Doors-1.6 W/sq.m.K Vehicle Access and Similar Large Doors-1.3 W/sq.m.K NB, offices and toilets are to be space heated, walls to these spaces-0.26W/sq.m K, roof, 0.16 W/sq.m.K, floor 0.18 W/sq.m K. The warehouses are to be remain unheated so the ground bearing slab under the warehouse space does not need to be insulated.



Roof to be Kingspan KS1000RW, LPCB / FPA approved or similar approved colour coated trapezoidal roof sheeting to give a max U-value of 0.16W/sq.m.K. Roof to incorporate 10% rooflighting, Rooflights to have a max. U-value of 2.2W/sq.m.K. Eaves and verge flashings to be colour coated pressed steel colour. Upper panels colour: Anthracite. Kingspan KS1000RW, LPCB / FPA approved or similar approved colour coated trapezoidal U-value of 0.26W/sq.m.K. Contrasting colour horizontally fixed or adding rails. Glazing frames to be powder coated aluminium colour to match previous phase frames, external ground level variable. 3M film applied internally to provide obscure panels at lower level. Insulated polystyrene concrete coated, anthracite steel, sectional overhead door. Insulation to CFC free and LPC approved to achieve the required U-value of not more than 1.3W/sq.m.K. Windows and glazed doors to be extruded aluminium sections, thermally broken with essentially glazing and argon filled cavity. Opening lights to be top hung with opening restrictors and tickle ventilation. Opening lights provided to a min. of 2.5m of the office floor area. Entrance doors to have min. effect clear opening of 800mm. Insulated polystyrene concrete coated, anthracite steel, sectional overhead door. Insulation to CFC free and LPC approved to achieve the required U-value of not more than 1.3W/sq.m.K. External masonry walls comprising 140mm thickness inner leaf blockwork, 150mm cavity with 65mm partial fill cavity wall insulation and 102mm outer leaf facing bricks to achieve max U Value 0.26W/sq.m K. Kingspan KS1000RW, LPCB / FPA approved or similar approved colour coated trapezoidal roof sheeting to give a max U-value of 0.16W/sq.m.K. Roof to incorporate 10% rooflighting, Rooflights to have a max. U-value of 2.2W/sq.m.K. Kingspan KS1000RW, LPCB / FPA approved or similar approved colour coated trapezoidal roof sheeting to give a max U-value of 0.16W/sq.m.K. Horizontally fixed or adding rails. Colour: Merlin Grey. Glazing frames to be powder coated aluminium colour to match previous phase frames, external ground level variable. 3M film applied internally to provide obscure panels at lower level. Insulated polystyrene concrete coated, anthracite steel, sectional overhead door. Insulation to CFC free and LPC approved to achieve the required U-value of not more than 1.3W/sq.m.K. Windows and glazed doors to be extruded aluminium sections, thermally broken with essentially glazing and argon filled cavity. Opening lights to be top hung with opening restrictors and tickle ventilation. Opening lights provided to a min. of 2.5m of the office floor area. Entrance doors to have min. effect clear opening of 800mm. Insulated polystyrene concrete coated, anthracite steel, sectional overhead door. Insulation to CFC free and LPC approved to achieve the required U-value of not more than 1.3W/sq.m.K. External masonry walls comprising 140mm thickness inner leaf blockwork, 150mm cavity with 65mm partial fill cavity wall insulation and 102mm outer leaf facing bricks to achieve max U Value 0.26W/sq.m K. Kingspan KS1000RW, LPCB / FPA approved or similar approved colour coated trapezoidal roof sheeting to give a max U-value of 0.16W/sq.m.K. Roof to incorporate 10% rooflighting, Rooflights to have a max. U-value of 2.2W/sq.m.K. Kingspan KS1000RW, LPCB / FPA approved or similar approved colour coated trapezoidal roof sheeting to give a max U-value of 0.16W/sq.m.K. Horizontally fixed or adding rails. Colour: Merlin Grey. Glazing frames to be powder coated aluminium colour to match previous phase frames, external ground level variable. 3M film applied internally to provide obscure panels at lower level. Insulated polystyrene concrete coated, anthracite steel, sectional overhead door. Insulation to CFC free and LPC approved to achieve the required U-value of not more than 1.3W/sq.m.K. Windows and glazed doors to be extruded aluminium sections, thermally broken with essentially glazing and argon filled cavity. Opening lights to be top hung with opening restrictors and tickle ventilation. Opening lights provided to a min. of 2.5m of the office floor area. Entrance doors to have min. effect clear opening of 800mm. Insulated polystyrene concrete coated, anthracite steel, sectional overhead door. Insulation to CFC free and LPC approved to achieve the required U-value of not more than 1.3W/sq.m.K. External masonry walls comprising 140mm thickness inner leaf blockwork, 150mm cavity with 65mm partial fill cavity wall insulation and 102mm outer leaf facing bricks to achieve max U Value 0.26W/sq.m K.



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