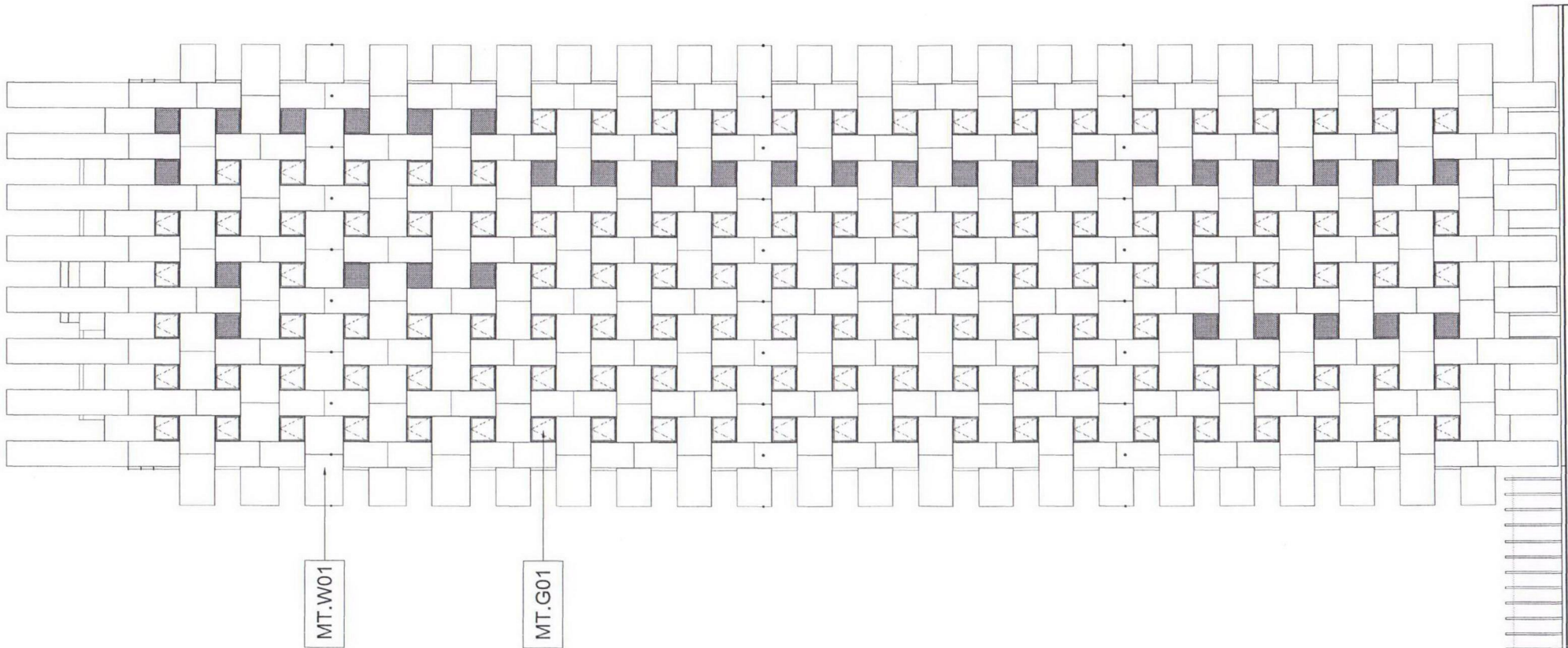


NOTE :
A.O.V - Automatic Opening Vent for fire

Note :-
2. For thermal calculations, the U values stated are area weighted values. For Market Tower and Affordable Block each residential unit fabric is to achieve a heat loss parameter less than 1.1 for CFSH requirement



DO NOT SCALE THIS DRAWING

CONTRACTORS ARE TO CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT ON SITE AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR DISCREPANCIES.
THIS IS A PRELIMINARY DESIGN AND NOT A CONTRACT DOCUMENT. IT MAY NOT BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN AUTHORITY OF TATE HINDLE ARCHITECTURE + DESIGN.

MATERIAL KEY

RETAL PODIUM - External Envelope

WALLS

RT.W01 - Rainscreen stone cladding 20mm Basalt stone panels individually supported by aluminium battens on adjustable aluminium helping hand brackets/rails, rainscreen cavity, 50mm rainscreen insulation and 100mm block work backing wall.
U-value 0.27W/m²K

RT.W02 - PPC aluminium ventilation louvers to plant room area. PPC aluminium louvers to provide min 50% free area. Insect mesh.
U-value N/A

RT.W03 - PPC aluminium screening louvers with blanking panel filled with mineral wool insulation.
U-value 0.27W/m²K

RT.W04 - PPC steel screening louvers with blanking panel in 70mm channel (panel to provide min 50% free area), 150mm insulated structural framing system backing wall filled with rigid insulation.
U-value 0.27W/m²K

RT.W05 - Stone cladding 20mm Basalt stone panels fixed to concrete walls using proprietary stone support systems.
U-value N/A

RT.W06 - Panelised aluminium composite rainscreen cladding supported by aluminium battens on aluminium helping hand brackets/rails, cavity, rainscreen insulation and concrete block work backing.
U-value 0.20W/m²K

CURTAIN WALL/WINDOWS/DOORS

RT.G01 - Capped aluminium curtain wall to retail units - Thermally broken, pressure equalised, zone drained outside dry glazed stick system, Double glazed (Argon filled), laminated, PPC aluminium framing. Integral access doors and louvers as required.
U-value 1.70 W/m²K
G-value 0.41
Transmittance 0.75

RT.G02 - Capped aluminium curtain wall to residential and office entrance units - Thermally broken, pressure equalised, zone drained outside dry glazed stick system, Double glazed (Argon filled), laminated, PPC aluminium framing. Integral access doors, opening lights and louvers as required.
U-value 1.70 W/m²K
G-value 0.41
Transmittance 0.75

RT.G03 Automated steel building door. Bespoke design.
U-value N/A

RT.G04 4 wing glazed revolving door with PPC aluminium framing. Top glass drum.
U-value 5.4W/m²K

ROOFS AND SOFFITS

Ground floor
U-value 0.20W/m²K

RT.R01 - Roof Type 1 Green roof terrace (Inverted roof on in situ concrete floor slab, rigid insulation, hot melt water proofing, drainage layer, growing medium, extensive planting)
U-value 0.20W/m²K

RT.R02 - Roof Type 2 Typical roof terrace (Inverted roof on in situ concrete floor slab, rigid insulation, hot melt water proofing, drainage layer, pebble/ stone paving slabs)
U-value 0.20W/m²K

CANOPY/HANDRAILS

RT.C01 Glass canopy to ground floor entrances. Clear glass, structural silicone glazing with silicone joints.
U-value N/A

RT.C02 Glass canopy and wall to shaded walkway on podium terrace. Fitted glass, structural glazing with silicone joints on PPC steel frame supports.
U-value N/A

RT.C03 Clamped glass balustrade to podium. Clear glass with steel clamp fixings.
U-value N/A

RT.C04 Rooflight on podium. Double glazed unit with capless PPC aluminium framing, structural silicone bonding. Light diffusing glazing.
U-value 1.70 W/m²K
G-value 0.41
Transmittance 0.75

Ⓢ All doors to be Secure By Design compliant doors.

Ⓢ Dry riser inlet cabinet 610mm wide x 700mm high with exit/return and door to BS5041. Zinc steel finish, RAL 3002 (red). 5mm Georgian wired glass with PPV lettering and Yale slam lock.

MARKET TOWER - External Envelope

WALLS

MT.W01 - Aluminium rainscreen cladding - Folded aluminium composite rainscreen cladding supported by aluminium battens on aluminium helping hand brackets/rails, cavity, rainscreen insulation, Backing wall voids - concrete wall backing or 150mm insulated structural framing system backing wall filled with mineral wool insulation, RAL 7039 colour.
U-value 0.20W/m²K

MT.W02 - Glazed external solid wall - Double glazed aluminium curtain walling with low 'E' clear glass, argon filled cavity and toughened glass panels.
U-value 0.20W/m²K

MT.W03 - Glazed external solid wall - Double glazed aluminium spandrel panel units with rigid insulation. Toughened glass panels and internal plasterboard finish.
U-value 0.20W/m²K

MT.W04 - PPC steel feature channel with rigid insulation backing.
U-value 0.20W/m²K

MT.W05 - PPC aluminium feature channel with rigid insulation backing. Polycarbonate for vents.
U-value 0.20W/m²K

MT.W06 - Aluminium cladding to roof fins - Folded aluminium composite cladding supported by aluminium battens on aluminium helping hand brackets/rails fixed to galvanneal steel support structure.
U-value 0.20W/m²K

CURTAIN WALL/WINDOWS/DOORS

MT.G01 - Punched glazed window. Clear low 'E' Double or Triple glazing with argon filled cavity on aluminium window system. Top hung windows. Toughened glass panels. Casque windows to have inner pane fitted to black colour.
U-value 1.70 W/m²K
G-value 0.41
Transmittance 0.75

MT.G02 - Glazed sliding doors to balconies - Clear low 'E' Double or Triple glazing with argon filled cavity on aluminium window system. Toughened glass panels. Lift and pull with level access to balcony.
U-value 1.70 W/m²K
G-value 0.41
Transmittance 0.75

MT.G03 - Capless curtain walling system - Thermally broken structural glazing, outside dry glazed, mullion/transom drained on stick support system. Clear low 'E' Double or Triple glazing with argon filled cavity and external UV resistant silicone pane edge joint, laminated glass, PPC aluminium framing. Integral framed access doors and vents as required.
U-value 1.70 W/m²K
G-value 0.41
Transmittance 0.75

MT.G04 Glazed Windows - Clear low 'E' Double or Triple glazing with argon filled cavity on aluminium window system. Top hung window top panel and fixed lower panel. Toughened glass panels.
U-value 1.70 W/m²K
G-value 0.41
Transmittance 0.75

BALCONIES/COLD BRIDGING

MT.B01 Concrete balconies with silver-grey timber plastic composite decking (Matsa Decking). Thermal break system. PPC aluminium soffit finish to underside of slab standard RAL. Drainage via floor gully.

U-value 2.40 W/m² L.b.c
Linear Transmission Coefficient 0.48 W/m L.b.c
Distance Continuous

MT.B02 Handrails and Balustrade 1 - Clear glazed hand rails on steel framing. Laminated safety glass.
U-value N/A

ROOFS AND SOFFITS

Ground floor
U-value 0.20W/m²K

MT.R01 PPC aluminium soffit aluminium panels, rigid insulation.
U-value 0.20W/m²K

MT.R02 - Roof Type 1 (Inverted roof on in situ concrete floor slab, rigid insulation, hot melt water proofing and roof finish - finished pebbled concrete paving slabs)
U-value 0.20W/m²K

MT.R03 - Capless glazed roof system - Thermally broken structural glazing, outside dry glazed, mullion/transom drained on stick support system. Clear low 'E' double glazing with argon filled cavity and external UV resistant silicone pane edge joint, laminated glass, PPC aluminium framing support. Integral framed access vents as required.
U-value 0.20W/m²K

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rev description date drawn checked

PLANNING

date

British Land

project
NEQ Regent's Place
London

drawing
MARKET TOWER
East Elevation

AC scale A3 scale drawn checked date

1/100 1/200 NTS NP AM Dec '11

project no. 10120 PL(05)MT-003 00

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