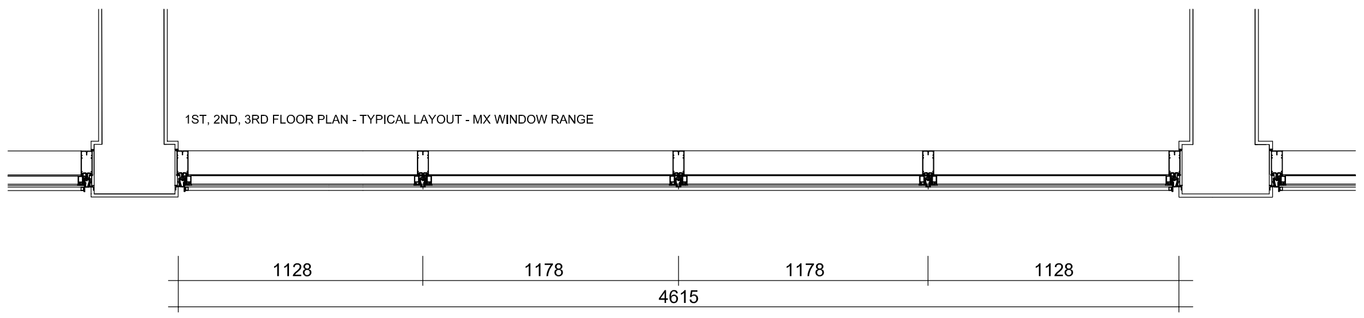
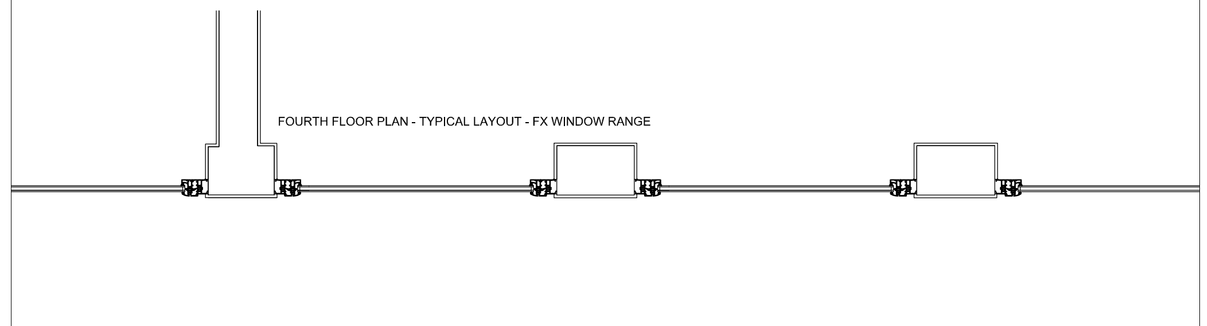
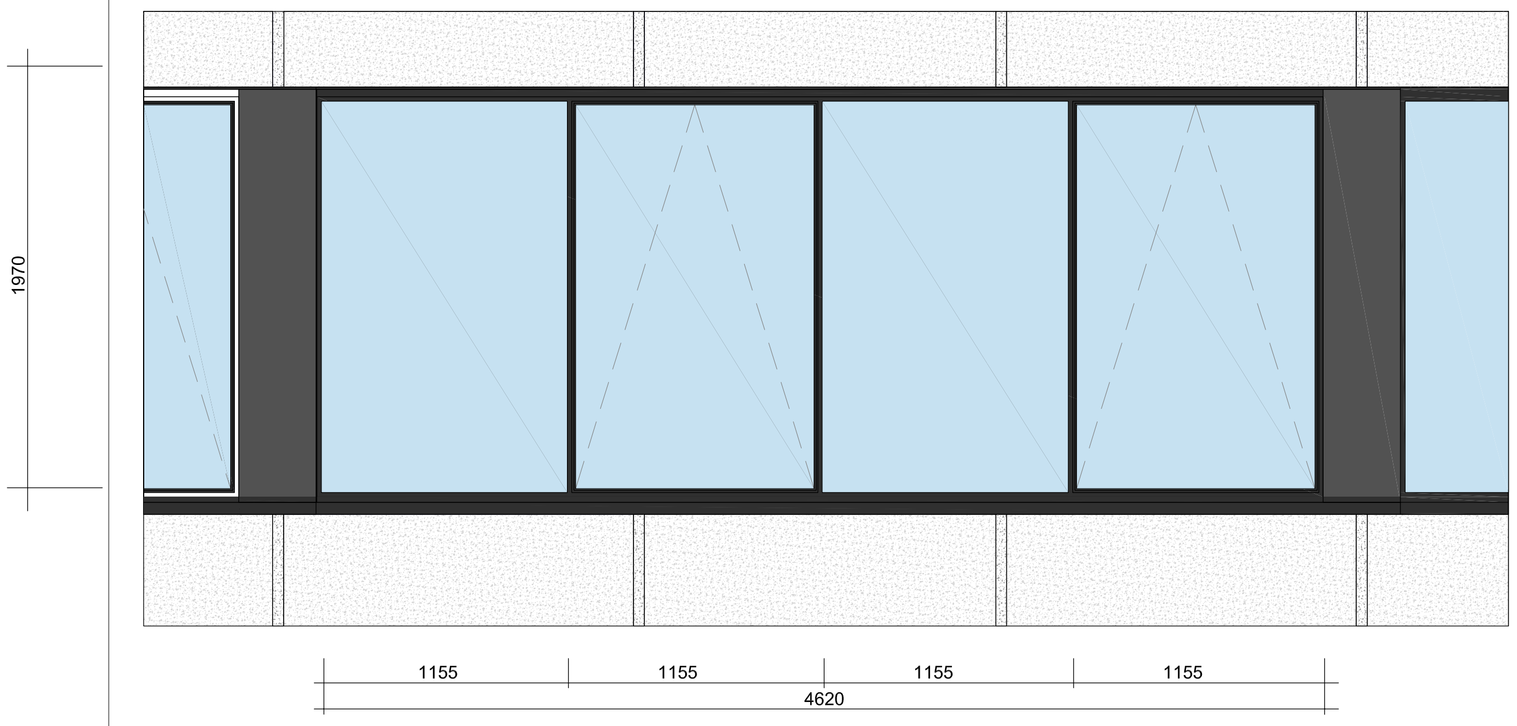


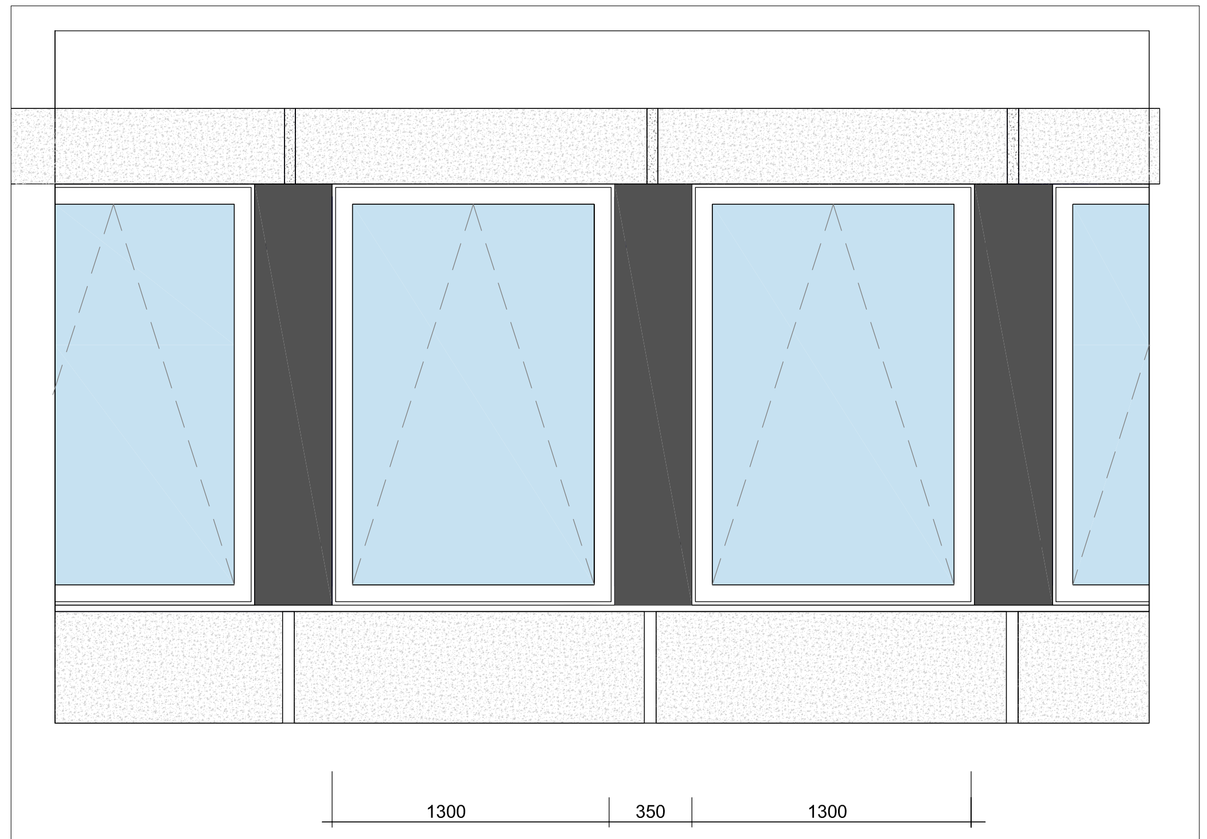
TYPICAL MX CURTAIN WALLING ABUTMENT PLAN DETAILS SCALE 1:20@A1



TYPICAL FX WINDOW WALLING ABUTMENT PLAN DETAILS



TYPICAL MX TOGGLE CURTAIN WALLING PROPOSED SOUTH ELEVATIONS SCALE 1:20@A1



TYPICAL FX WINDOW WALLING PROPOSEDCOURTYARD ELEVATIONS SCALE 1:20@A1

TECHNAL MX CURTAIN WALLING

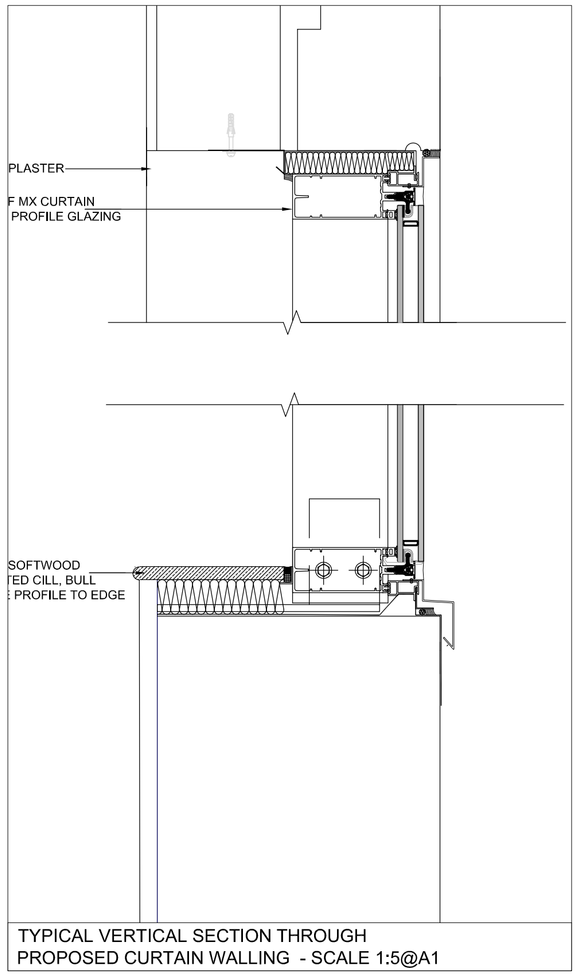
Type: MX TOGGLE INCLUDING CONCEALED TOP HUNG WINDOWS

(max window size 1500mm wide x 1750mm high or 1000mm wide x 2000mm high; min size 500mm wide x 500mm high; max weight 100kg; glazing thickness 23mm or 31mm)

Technal MX Toggle Thermally Insulated Curtain Walling system; Extruded from alloy 6005T6, 6063T6 or 6060T5 to BS EN12020, BS EN573-3, BS EN515 and BS EN755 - 1 to 9; 52mm mullion and transom face width; Double glazed silicone edged units with black spacer bars, glazing infill from 30 to 40mm with a glass to glass appearance; Mullions & transoms to suit span and windload; Mullions with drainage channels; Transoms located by injection sealed spigots and anti-rotation pins; Flush 20mm nominal dimension mullion and transom joints using silicone externally with finishing gasket; Concealed top hung opening windows (structurally bonded); Double glazed units on opening lights must be silicon edge sealed and have black spacer bars; All visible glass edges must be arissed; Subcill; To be installed using screws and fixings manufactured from stainless steel or other corrosion resistant materials; DPM into curtain walling as detailed if required.

To include all products, fixings and interfaces necessary to complete the fabrication and installation. Performance criteria to comply with Design/Performance Requirements and Testing subsections.
Internal framing member:
Material: [Aluminium Alloy 6063T6 to BS1474]
Finish: [Polyester Powder Coated by Technal]
Colour/texture: [Standard RAL Colour]
Minimum film thickness: [40 microns]
External cover cap:
Material: Not applicable
Finish: Not applicable
Colour/texture: Not applicable
Minimum film thickness: Not applicable
Glazing: [Double glazed sealed units to conform to parts K, M, & N of the building regulations and to achieve a U value to meet part L2 of the building regulations, based on energy model calculations]

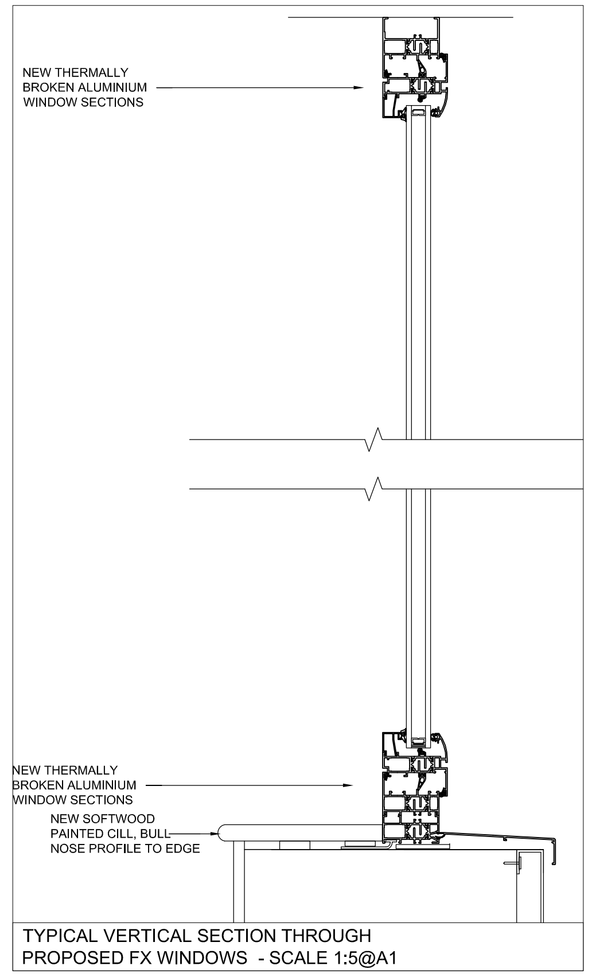
Glass Type 1: Solar reflective glazing
Inner pane: [8.8mm Clear laminated float in accordance with Building Regulations including Document L and BS6180 where applicable]
Cavity: [20mm Technal Toggle channels with Argon filled warm edge spacer]
Outer pane: [6mm Clear toughened Coolite SKN174ii float (or similar) in accordance with Building Regulations including Document L and BS6180 where applicable]
Panel/facing type: [Double glazed spandrel panels (standard colour) with insulation contained with in a foil for concealed applications OR aluminium tray for exposed applications]
External columns casings: [To be 2mm powder coated aluminium external face and complete with insulated core. All complete with internal balancer sheet where not seen from inside.
This to be dressed to glaze into and seal to curtain wall profiles with standard gaskets]
Incorporated components: []
Other requirements: [All perimeter frames to be sealed to structure using EPDM membranes]



TYPICAL VERTICAL SECTION THROUGH
PROPOSED CURTAIN WALLING - SCALE 1:5@A1

Technal FX Window Walling System
Type:- **FXi 65 WINDOW (BS7950) - TOP HUNG FX260P VENT FRAME OPEN OUT. (max size 1600mm wide x 2000mm high; min size 450mm wide x 350mm high; max weight 100kg; max glazing thickness 48mm)**
Technal FXi65 Polyamide Commercial Window system; Extruded from alloy 6005T6, 6063T6 or 6060T5 to BS EN12020, BS EN573-3, BS EN515 and BS EN755 - 1 to 9; 65mm deep sections; Thermally insulated; Single colour as indicated; Double glazed; Top hung open out vents as indicated on friction hinges FX793 - 797 inclusive; Opening restrictors FX883; Vents glazed from the inside; Winlock Odyssey Espagnolette locking handle, mushroom head locking points FX888 with FX887 keeps, and vector excluders Y556 in accordance with hardware requirements; Trickle ventilation; Subcill; To be installed using screws and fixings manufactured from stainless steel or other corrosion resistant materials; DPM, carrier profile FX720p & tubing gasket FX623g if required.

Exposure category (Design site wind pressure): [1200] (Pa).
Glazing: [Double glazed sealed units to conform to parts K, M, & N of the building regulations and to achieve a U value to meet part L2 of the building regulations, based on energy model calculations]
Glass Type 1 : Solar reflective glazing
Inner pane: [6.8mm Clear laminated float in accordance with Building Regulations including Document L and BS6180 where applicable]
Cavity: [16mm Argon filled warm edge spacer]
Outer pane: [6mm Clear toughened Coolite SKN174ii float (or similar) in accordance with Building Regulations including Document L and BS6180 where applicable]
Panel/facing type: [Double glazed spandrel panels (standard colour) with insulation contained with in a foil for concealed applications OR aluminium tray for exposed applications]
External columns casings: [To be 2mm powder coated aluminium external face and complete with insulated core. All complete with internal balancer sheet where not seen from inside.
This to be dressed to glaze into and seal to curtain wall profiles with standard gaskets]
Ironmongery/accessories: [Technal standard accessories]
Finish: [Polyester powder coated by Technal to a standard RAL colour, minimum 40 microns]
Fixing: [Stainless steel screws or other corrosion resistant materials]
Other requirements: []



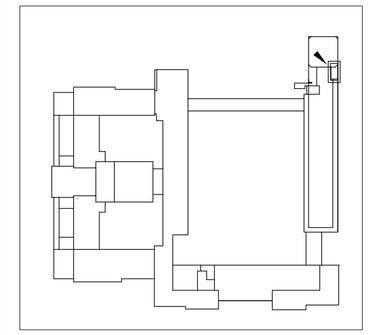
TYPICAL VERTICAL SECTION THROUGH
PROPOSED FX WINDOWS - SCALE 1:5@A1

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DO NOT SCALE THIS DRAWING, CHECK ALL DIMENSIONS ON SITE

This drawing is to be read in conjunction with all relevant specifications and drawings issued. For discrepencies or ommissions contact Rider Levett Bucknall.
The contractor is to check and verify all building and site dimensions and check levels before work commences
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ALL window opening sizes to be checked on site prior to fabrication. SHOP drawing to be approved for all windows prior to ALL orders being placed by main contractor.



Date: Revision: Dr:

Client:
UNIVERSITY OF MANCHESTER

Drawing Issue:
PLANNING

Project:
SAMUEL ALEXANDER

Drawing Title:
SOUTH BLOCK PROPOSED WINDOWS SECTIONS/ELEVATIONS

Scale:	Drawing Nr:		
AS STATED	5086-054-214		
Revision:	Drawn:	Authorised by:	Date:
-	CM	CM	02.12.2013

Drawing Ref:
5086-054-214

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Drawing Nr: 5086-054-214
Drawing Title: SAMUEL ALEXANDER
Project: UNIVERSITY OF MANCHESTER
Client: