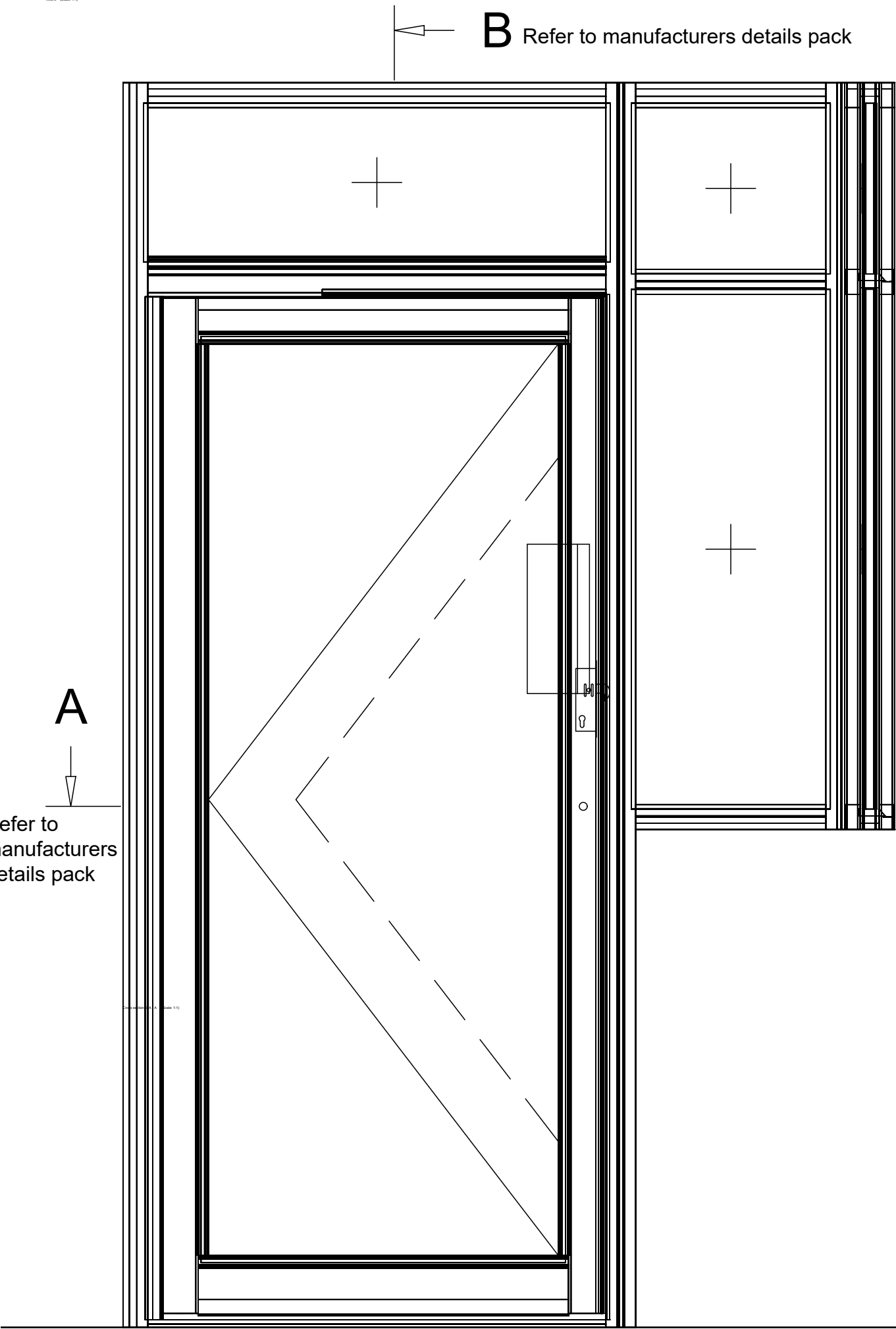
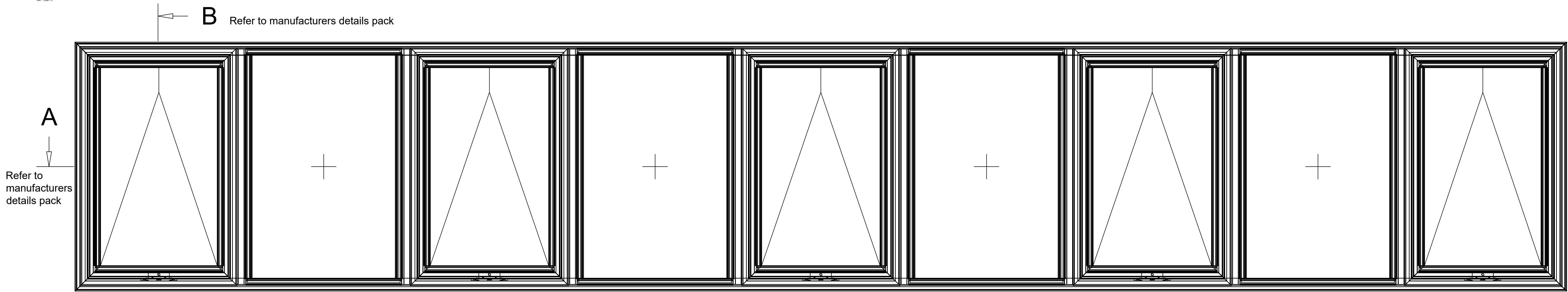


NOTE: DRAWING TO BE READ IN CONJUNCTION WITH ELEVATIONS AND MANUFACTURER DETAILS.
ALL GLAZING ON FIRST FLOOR BELOW 800mm TO BE TOUGHENED SAFETY GLASS.



E1
TYPICAL ELEVATION
1:10



B
Refer to manufacturers details pack
TYPICAL ELEVATION
1:10

TECHNAL

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Sapa Building Systems (Wakefield) Limited
Registered in England No. 1420752
Registered Office: Albert Drive, Silkwood Park, Wakefield WF5 9TG

L10 WINDOWS/ROOFLIGHTS/SCREENS/LOUVRES
To be read with Preliminaries/General conditions.
PRELIMINARY INFORMATION/REQUIREMENTS

110 EVIDENCE OF PERFORMANCE: Provide independently certified evidence that all specified variants of components comply with specified performance requirements.

120 SITE DIMENSIONS must be taken and recorded on shop drawings before starting to manufacture

COMPONENTS

330 ALUMINIUM WINDOWS: []
Drawing reference(s): [AL(20)000, 02 & AL(04)001, 2 & TL(20)000, 02,03 & TL(04)001, 002]
Manufacturer and reference: (Technal, Albert Drive, Silkwood Park, Wakefield, WF5 9TG Phone: - 01924 232323 Fax: - 01924 232300)
Type: -
FY65 SOLEAL WINDOW - TOP HUNG OPEN OUT ON FRICTION ARM HINGES AND FIXED LIGHT
(max opening vent size 1500mm wide x 2200mm high; min opening vent size 500mm wide x 500mm high; max opening vent weight 140kg; max glazing thickness 52mm)
Technal FY65 Soleal 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 or dual colour as indicated; Double glazed; Fixed lights with top hung open out vents as indicated on friction arm hinges; Opening restrictors; Vents glazed from the inside, fixed lights externally glazed; Espagnolette locking handle or remote operated gearing in accordance with hardware requirements; Concealed drainage; Trickle ventilation where indicated; Thermally broken subcill; To be installed using screws and fixings manufactured from stainless steel or other corrosion resistant materials into curtain walling.

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]
Inner pane: [CA to confirm 6.8 mm Clear laminated low E float in accordance with Building Regulations including Document L and BS6180 where applicable]
Cavity: [CA to confirm 16mm Argon filled cavity with warm edge spacer bars]
Outer pane: [CA to confirm 6mm Clear toughened float in accordance with Building Regulations including Document L and BS6180 where applicable]
Panel/facing type: [Double glazed spandrel panels (standard colour) with insulation contained within a foil or aluminium tray or PPC 2mm thick aluminium panels both sides with rigid insulation]
Ironmongery/accessories: [Technal standard accessories]
Finish: [Polyester powder painted by Technal to standard RAL colour, minimum 40 microns]
Fixing: [Stainless steel screws or other corrosion resistant materials]
Other requirements: []

L20 DOORS/SHUTTERS/HATCHES
To be read with Preliminaries/General conditions.

PRELIMINARY INFORMATION/REQUIREMENTS

110 EVIDENCE OF PERFORMANCE: Provide independently certified evidence that all specified variants of components comply with specified performance requirements.

150 SITE DIMENSIONS must be taken and recorded on shop drawings before

starting to make [_____]

COMPONENTS

280 ALUMINIUM DOORS AND FRAMES: []
Drawing reference(s): [AL(20)000, 02 & AL(04)001, 2 & TL(20)000, 02,03 & TL(04)001, 002]
Manufacturer and reference: [Technal, Albert Drive, Silkwood Park, Wakefield, WF5 9TG Phone: - 01924 232323 Fax: - 01924 232300]
Type: -
STII Stormframe AFT Door System

333 PERFORMANCE
All frames and other sections to be extruded to BS EN 755-9: 2001, Specification 6060/6063 T6.
Aluminium door system to have been tested in accordance with BS.5368, to meet the Exposure Category shown below as defined by BS 6375:1 2009, and to have achieved the following:
ST II Door
Exposure category 800U in accordance with BS 6375-1
Air Permeability = Class 0 in accordance with BS EN 12207
Water Penetration = Class 0 in accordance with BS EN 12208,
Wind Resistance = Class A2

The sections forming the doors are to incorporate a thermal break, achieved using a high strength, glass reinforced polyamide barrier.
STII door leaves profiles are square cut and assembled with extruded aluminium brackets and clamp plates incorporating integral rotating anti finger trap hinge stiles.
Drained low thresholds are to be fitted as standard.
STII door outer frames are to be fitted within MXGD52 Curtain walling.
Tests to be carried out by independent UKAS accredited test facility.
All framing including mullions, transoms and couplers shall be capable of withstanding the design wind loadings calculated in accordance with BS6399 Pt2: 1995, and the Specialist Contractor shall provide calculations to demonstrate this if requested by the Contract Administrator.
All fabrication to be strictly in accordance with the system company's Fabrication and Specification Manuals and all current Technical Bulletins.

The high usage door specified is to achieve a minimum U value (Uw) of 3.5W/m2K when glazed with the materials outlined in section 334 below. U value to be calculated according to BE EN 10077-1 or 10077-2 using the smaller window configuration defined in BS EN14351-1, in accordance with Approved Document L2B.

334 GLAZING:
Glazing to be hermetically sealed double-glazed 28mm units, comprising inner pane of 6.8mm "soft coat" low emissivity laminated glass and an outer pane of 4mm toughened with an argon filled cavity with a warm edge spacer bar. The sealed units are to have a centre pane U value no greater than 1.1W/m²k.
All glass and glazing shall conform to:
EN 12600: Specification for Impact Performance;
BS.6262: Parts 1-6:2005 Code of Practice for Glazing Buildings;
BS.952: 1978: Glass for Glazing;
BS EN 1279: Glass in buildings. Insulating Glass Units
Part 1: 2004 Generalities, dimensional tolerances and rules for the system description.
Part 2: 2005 Long term test method and requirements for moisture penetration
Part 3: 2005 Long term test method and requirements for gas leakage rate and for gas concentration tolerances.
Part 4: 2002 Methods of test for the physical attributes of edge seals
Part 5: 2005 Evaluation of conformity
Part 6: 2002 Factory production control and periodic tests

335 IRONMONGERY / ACCESSORIES
Sapa concealed door closer 202/188 with 90 degree hold open and with backcheck. Opening force of the door is to be adjustable between EN1 to EN4 to ensure a force no greater than 30 newtons for first 30 degrees of opening and 22.5 newtons from 31 to 60 degrees.

Main Entrance Doors

CA to advise of locking requirements i.e. Maglocks, Electric Strike Lock and Access Control

Fire Exit Doors
Adams Rite 960 concealed rod panic exit device with dogging for daytime traffic use and external key access to comply with BS EN 1125.

Non-Fire Exit Doors
STP309 Single Point security deadlock (40mm backset)
Laminated steel lock actuated by Europrofile cylinder with thumb turn internally
Slave leaf to double doors to be fastened with concealed flush bolts to head and threshold
Pad handles internally and externally colour to comply with Doc M.

The Specialist Contractor is to obtain the written confirmation of the Contract Administrator as to the type and position of all ironmongery before commencing manufacture.

337 FINISH:
Aluminium sections to be polyester powder-coated to BS EN 12206-1:2004: using Interpon D or Syntha Pulvin systems. Dual colour as indicated.
All finishing to be undertaken by Technal Building Systems Limited prior to delivery to fabricator

INSTALLATION

L1/710 PROTECTION OF COMPONENTS:
Do not deliver to site components which cannot be put immediately into suitable clean, dry, floored and covered storage. Stack near vertical on level bearers, separated with spacers to prevent damage by and to projecting ironmongery, beads, etc.

L1/750 BUILDING IN
Building in will not be permitted except where specifically stated on the drawings.

L1/751 BUILDING IN:
Components which are being built in must be braced and protected as necessary to prevent distortion and damage during erection of adjacent structure.

L1/765 DOOR INSTALLATION:
Install doors into prepared openings, maintaining a gap of 6 mm between the frame edge and the surrounding construction.
Install doors without twist or diagonal racking.

L1/770 PREPARED OPENINGS:
Ensure that EPDM's are positioned correctly in relation to frames and are not displaced during fixing operations.

L1/782 FIXING OF ALUMINIUM FRAMES:
Fixing to be as per section Z20 using the appropriate fixings.
When not pre-drilled or specified otherwise, position fixings not more than 150 mm from each end of jamb, adjacent to each hanging point of opening lights and at maximum 600 mm centres.

L1/810 SEALANT JOINTS:
Sealant: Seal all external joints between framing and structure with low modulus neutral cure silicon sealant to BS5899 (1989)
Colour: White
Prepare joints and apply sealant as section Z22.

L1/820 IRONMONGERY:
Assemble and fix carefully and accurately using fastenings with matching finish supplied by ironmongery manufacturer. Prevent damage to ironmongery and adjacent surfaces. At completion check, adjust and lubricate as necessary to ensure correct functioning.

A Revised for construction. 30/01/20

No Revision Date

Revisions

Client:

SYFR

Issue:

FOR CONSTRUCTION

Project:

TANKERSLEY & ASTON
STATION ALTERATIONS

Title:

EXTERNAL DOOR & WINDOW
ELEVATIONS

Drawing No: A(30)007 Rev: A A1 Scale: AS SHOWN

Date: 29.03.19 Drawn: NC Approved: NC



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This drawing is to be read in conjunction with all relevant specifications and drawings issued.
Do not scale this drawing, the Contractor is to check and verify all building, site dimensions and check levels before work commences.
For discrepancies or omissions contact Rider Levett Bucknall.
All work and materials to be in accordance with current applicable statutory legislation and to comply with all relevant Codes of Practice and British Standards.
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