

494-17 Reubens Retreat

06 November 2018

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L

Windows/Doors/Stairs

L20

Doors/ shutters/ hatches

L20 Doors/ shutters/ hatches

To be read with Preliminaries/ General conditions.

GENERAL

110 EVIDENCE OF PERFORMANCE

- Certification: Provide independently certified evidence that all incorporated components comply with specified performance requirements.

115 FIRE RESISTING DOORS/ DOOR ASSEMBLIES/ DOORSETS

- Door products: As defined in BS EN 12519.
- Evidence of fire performance: Provide certified evidence, in the form of a product conformity certificate, directly relevant fire test report or engineering assessment, that each door/ door assembly/ doorset supplied will comply with the specified requirements for fire or smoke resistance if tested to BS 476-22, BS EN 1634-1 or BS EN 1634-3. Such certification must cover door and frame materials, glass and glazing materials and their installation, essential and ancillary ironmongery, hinges and seals.
- Components, assemblies or sets will be marked to the relevant product standard and/ or third party certification rating.

120 NON FIRE RESISTING DOORS/ DOOR ASSEMBLIES/ DOORSETS

- Provide certified evidence, in the form of a product conformity certificate or engineering assessment, that each door/ doorset/ assembly supplied will comply with the specified requirements to BS EN 14351-1. Such certification must cover door and frame materials, glass and glazing materials and their installation, essential and ancillary ironmongery, hinges and seals.
- Components and assemblies will be marked to the relevant product standard and/ or third party certification rating.

PRODUCTS

410A INTERNAL DOORSETS DOOR TYPE A

- Manufacturer: Forza Doors Limited.
 - Web: www.forza-doors.com.
 - Email: info@forza-doors.com.
 - Product reference: FD30.
- Type: A – Single leaf.
- Size (w x h): 810 x 2100mm.
- Facings:
 - Type: Standard facing ready to be primed.
 - Finish/Colour: Primed only.
- Lippings: Exposed.
- Frame:
 - Size: 46mm.
 - Profile: integral stop.
 - Material: Softwood.
- Finish/Colour: Primed only (painted on site).
- Vision panels: N/A
- Ironmongery: As schedule

410B INTERNAL DOORSETS DOOR TYPE B

- Manufacturer: Forza Doors Limited.
 - Web: www.forza-doors.com.
 - Email: info@forza-doors.com.
 - Product reference: FD60.
- Type: A – Single leaf.
- Size (h x w): 810 x 2100mm.
- Facings:
 - Type: Standard facing ready to be primed.
 - Finish/Colour: Primed only.
- Lippings: Exposed.
- Frame:
 - Size: 46mm.
 - Profile: Integral Stop.
 - Material: Hardwood.
 - Finish/Colour: Primed only.
- Vision panels: N/A
- Ironmongery: As schedule

410C INTERNAL DOORSETS DOOR TYPE D

- Manufacturer: Forza Doors Limited.
 - Web: www.forza-doors.com.
 - Email: info@forza-doors.com.
 - Product reference: FD60.
- Type: A – Single leaf.
- Size (h x w): 910 x 2100mm.
- Facings:
 - Type: Standard facing ready to be primed.
 - Finish/Colour: Primed only.
- Lippings: Exposed.
- Frame:
 - Size: 46mm.
 - Profile: Integral Stop.
 - Material: Hardwood.
 - Finish/Colour: Primed only.
- Vision panels: N/A
- Ironmongery: As schedule

410D INTERNAL DOORSETS DOOR TYPE G

- Manufacturer: Forza Doors Limited.
 - Web: www.forza-doors.com.
 - Email: info@forza-doors.com.
 - Product reference: FD60.
- Type: A – Single leaf.
- Size (h x w): 1010 x 2100mm.
- Facings:
 - Type: Standard facing ready to be primed.
 - Finish/Colour: Primed only.
- Lippings: Exposed.
- Frame:
 - Size: 46mm.
 - Profile: Intergral Stop.
 - Material: Hardwood.
 - Finish/Colour: Primed only.
- Vision panels: N/A
- Ironmongery: As schedule

410E INTERNAL DOORSETS DOOR TYPE L

- Manufacturer: Forza Doors Limited.
 - Web: www.forza-doors.com.
 - Email: info@forza-doors.com.
 - Product reference: FD30.
- Type: A – Single leaf.
- Size (w x h): 1200 x 2100mm.
- Facings:
 - Type: Standard facing ready to be primed.
 - Finish/Colour: Primed only.
- Lippings: Exposed.
- Frame:
 - Size: 46mm.
 - Profile: integral stop.
 - Material: Softwood.
- Finish/Colour: Primed only (painted on site).
- Vision panels: N/A
- Ironmongery: As schedule

410F INTERNAL DOORSETS DOOR TYPE M

- Manufacturer: Forza Doors Limited.
 - Web: www.forza-doors.com.
 - Email: info@forza-doors.com.
 - Product reference: FD30.
- Type: C – Double unequal leaves.
- Size (w x h): 1500 x 2100mm.
- Facings:
 - Type: Standard facing ready to be primed.
 - Finish/Colour: Primed only.
- Lippings: Exposed.
- Frame:
 - Size: 46mm.
 - Profile: Integral Stop.
 - Material: Hardwood.
- Finish/Colour: Primed only.
- Vision panels:
 - Type: V5.
 - Glass: Clear fire glass.
 - Beading: Flush (Quirk).
- Ironmongery: As schedule

410G INTERNAL DOORSETS DOOR TYPE M

- Manufacturer: Forza Doors Limited.
 - Web: www.forza-doors.com.
 - Email: info@forza-doors.com.
 - Product reference: 35dB.
- Type: B – Double equal leaves.
- Size (h x w): 1500 x 2100mm.
- Facings:
 - Type: Standard facing ready to be primed.
 - Finish/Colour: Primed only.
- Lippings: Exposed.
- Frame:
 - Size: 46mm.
 - Profile: Intergral Stop.
 - Material: Hardwood.
 - Finish/Colour: Primed only.
- Vision panels: N/A
- Ironmongery: As schedule

410H INTERNAL DOORSETS DOOR TYPE O

- Manufacturer: Forza Doors Limited.
 - Web: www.forza-doors.com.
 - Email: info@forza-doors.com.
 - Product reference: FD60.
- Type: A – Single leaf.
- Size (h x w): 1010 x 2100mm.
- Facings:
 - Type: Standard facing ready to be primed.
 - Finish/Colour: Primed only.
- Lippings: Exposed.
- Frame:
 - Size: 46mm.
 - Profile: Intergral Stop.
 - Material: Hardwood.
 - Finish/Colour: Primed only.
- Vision panels: N/A
- Ironmongery: As schedule

410I INTERNAL DOORSETS DOOR TYPE Q

- Manufacturer: Forza Doors Limited.
 - Web: www.forza-doors.com.
 - Email: info@forza-doors.com.
 - Product reference: FD30.
- Type: B – Double equal leaves.
- Size (w x h): 1810 x 2100mm.
- Facings:
 - Type: Standard facing ready to be primed.
 - Finish/Colour: Primed only.
- Lippings: Exposed.
- Frame:
 - Size: 46mm.
 - Profile: Integral Stop.
 - Material: Softwood.
- Finish/Colour: Primed only.
- Vision panels:
 - Type: 400 x 1800mm.
 - Glass: Clear fire glass.
 - Beading: Cloak (Hockey stick).
- Ironmongery: As schedule

410J INTERNAL DOORSETS DOOR TYPE R

- Manufacturer: Forza Doors Limited.
 - Web: www.forza-doors.com.
 - Email: info@forza-doors.com.
 - Product reference: FD30 - 35dB.
- Type: C – Double unequal leaves.
- Size (w x h): 1510 x 2100mm.
- Facings:
 - Type: Standard facing ready to be primed.
 - Finish/Colour: Primed only.
- Lippings: Exposed.
- Frame:
 - Size: 44mm.
 - Profile: Integral Stop.
 - Material: Softwood.
- Finish/Colour: Primed only.
- Vision panels: N/A
- Ironmongery: As schedule

410K INTERNAL DOORSETS DOOR TYPE S

- Manufacturer: Forza Doors Limited.
 - Web: www.forza-doors.com.
 - Email: info@forza-doors.com.
 - Product reference: FD60.
- Type: C – Double unequal leaves.
- Size (h x w): 1510 x 2100mm.
- Facings:
 - Type: Standard facing ready to be primed.
 - Finish/Colour: Primed only.
- Lippings: Exposed.
- Frame:
 - Size: 44mm.
 - Profile: Integral Stop.
 - Material: Hardwood.
 - Finish/Colour: Primed only.
- Vision panels:
 - Type: V5.
 - Glass: Clear fire glass.
 - Beading: Cloak (Hockey stick).
- Ironmongery: As schedule

480A DOORSETS DOOR TYPE E

- Manufacturer: Dortek Ltd.
 - Web: www.dortek.com
 - Email: info@dortek.com
 - Product reference: Hygienic Hinged Doors - Single Action .
- Door leaf: Single - 40 mm thick with a 2.5 mm thick seamless hygienic glass-fibre reinforced moulded polyester facing and a high density closed cell CFC and HFC free core with a thermal conductivity of 0.50 W/mK..
 - Finish as delivered: Smooth non-porous gelcoat finish..
- Frame and architraves: GRP.
 - Finish as delivered: Polyester powdercoated.
- Glazing/ Infill details: Not applicable.
 - Manifestation: Not applicable.
 - Beading: Not required.
- Ironmongery: As ironmongery schedule.
- Perimeter seals: EPDM weatherseal.
- Thermal performance (U-value maximum): Manufacturer's standard.
- Other requirements: None.
- Fixing: Plugged and screwed.

480B DOORSETS DOOR TYPE F

- Manufacturer: Dortek Ltd.
 - Web: www.dortek.com
 - Email: info@dortek.com
 - Product reference: Hygienic Hinged Doors - Single Action - 30 Minutes Fire Rated .
- Door leaf: Single - 40 mm thick with a 2.5 mm thick seamless hygienic glass-fibre reinforced moulded polyester facing and a high density closed cell CFC and HFC free core with a thermal conductivity of 0.50 W/mK..
 - Finish as delivered: Smooth non-porous gelcoat finish..
- Frame and architraves: GRP.
 - Finish as delivered: Polyester powdercoated.
- Glazing/ Infill details: Not applicable.
 - Manifestation: Not applicable.
 - Beading: Not required.
- Ironmongery: As ironmongery schedule.
- Perimeter seals: Fire and smoke seal.
- Thermal performance (U-value maximum): Manufacturer's standard.
- Other requirements: None.
- Fixing: Plugged and screwed.

480C DOORSETS DOOR TYPE J

- Manufacturer: Dortek Ltd.
 - Web: www.dortek.com
 - Email: info@dortek.com
 - Product reference: Hygienic Hinged Doors - Single Action .
- Door leaf: Single - 40 mm thick with a 2.5 mm thick seamless hygienic glass-fibre reinforced moulded polyester facing and a high density closed cell CFC and HFC free core with a thermal conductivity of 0.50 W/mK..
 - Finish as delivered: Smooth non-porous gelcoat finish..
- Frame and architraves: GRP.
 - Finish as delivered: Polyester powdercoated.
- Glazing/ Infill details: Not applicable.
 - Manifestation: Not applicable.
 - Beading: Not required.
- Ironmongery: As ironmongery schedule.
- Perimeter seals: EPDM weatherseal.
- Thermal performance (U-value maximum): Manufacturer's standard.
- Other requirements: None.
- Fixing: Plugged and screwed.

480D DOORSETS DOOR TYPE K

- Manufacturer: Dortek Ltd.
 - Web: www.dortek.com
 - Email: info@dortek.com
 - Product reference: Hygienic Hinged Doors - Single Action .
- Door leaf: Single - 40 mm thick with a 2.5 mm thick seamless hygienic glass-fibre reinforced moulded polyester facing and a high density closed cell CFC and HFC free core with a thermal conductivity of 0.50 W/mK..
 - Finish as delivered: Smooth non-porous gelcoat finish..
- Frame and architraves: GRP.
 - Finish as delivered: Polyester powdercoated .
- Glazing/ Infill details: Not applicable.
 - Manifestation: Not applicable.
 - Beading: Not required.
- Ironmongery: As ironmongery schedule .
- Perimeter seals: EPDM weatherseal .
- Thermal performance (U-value maximum): Manufacturer's standard.
- Other requirements: None.
- Fixing: Plugged and screwed .

480E DOORSETS DOOR TYPE P

- Manufacturer: Dortek Ltd.
 - Web: www.dortek.com
 - Email: info@dortek.com
 - Product reference: Hygienic Hinged Doors - Single Action .
- Door leaf: Double - 40 mm thick with a 2.5 mm thick seamless hygienic glass-fibre reinforced moulded polyester facing and a high density closed cell CFC and HFC free core with a thermal conductivity of 0.50 W/mK..
 - Finish as delivered: Smooth non-porous gelcoat finish..
- Frame and architraves: GRP.
 - Finish as delivered: Polyester powdercoated .
- Glazing/ Infill details: Clear double glazing .
 - Manifestation: Not applicable.
 - Beading: External.
- Ironmongery: As ironmongery schedule .
- Perimeter seals: EPDM weatherseal .
- Thermal performance (U-value maximum): Manufacturer's standard.
- Other requirements: None.
- Fixing: Plugged and screwed .

480F ALUMINIUM DOORS EXTERNAL DOOR TYPE A

- Manufacturer: VELFAC LTD.
 - Web: www.velfac.co.uk.
 - Email: sales-support@velfac.co.uk.
 - Product reference: VELFAC Ribo or similar and approved
- Configuration:
 - Type: Entrance door.
 - Leaf: Double.
 - Opening: Outward.
- Size:
 - Type: Outward double.
 - Glazing bars: N/A.
- Colour/ Finish:
 - Internal: Polyester powder coated RAL 7023 .
 - External: Polyester powder coated RAL 7023 .
- Glazing/ Infill:
 - Type: Vision glazing.
 - Solar control: Required.
- Accessories: N/A.

480G ALUMINIUM DOORS EXTERNAL DOOR TYPE B

- Manufacturer: VELFAC LTD.
 - Web: www.velfac.co.uk.
 - Email: sales-support@velfac.co.uk.
 - Product reference: VELFAC Ribo or similar and approved
- Configuration:
 - Type: Entrance door.
 - Leaf: Double.
 - Opening: Outward.
- Size:
 - Type: Outward double.
 - Glazing bars: 76 mm.
- Colour/ Finish:
 - Internal: Polyester powder coated RAL 7023 .
 - External: Polyester powder coated RAL 7023 .
- Glazing/ Infill:
 - Type: Vision glazing.
 - Solar control: Required.
- Accessories: N/A.

480H ALUMINIUM DOORS EXTERNAL DOOR TYPE C

- Manufacturer: Senior Architectural Systems
 - Web: www.seniorarchitectural.co.uk
 - Email: info@sasmail.co.uk
 - Product reference: SD Powder Coated Aluminium Double Doorset
- Configuration:
 - Type: Entrance door.
 - Leaf: Double.
 - Opening: Outward.
- Size:
 - Type: Outward double.
 - Glazing bars: 76 mm.
- Colour/ Finish:
 - Internal: Polyester powder coated RAL 7023.
 - External: Polyester powder coated RAL 7023.
- Glazing/ Infill:
 - Type: Vision glazing.
 - Solar control: Required.
- Accessories: N/A.

480I ALUMINIUM DOORS EXTERNAL DOOR TYPE D

- Manufacturer: Rayner Steel Doors
 - Web: www.raynersteeldoors.co.uk
 - Email: info@raynersteeldoors.co.uk
 - Product reference: Rayner Doors Rayvent Fire 45mm thick Steel Double Fire Rated Louvred Doorset.
- Configuration:
 - Type: Plant Room Door.
 - Leaf: Double.
 - Opening: Outward.
- Size:
 - Type: Outward double.
 - Glazing bars: N/A.
- Colour/ Finish:
 - Internal: Polyester powder coated RAL 7015.
 - External: Polyester powder coated RAL 7015.
- Glazing/ Infill:
 - Type: Architectural louvre panel.
 - Solar control: Not required.
- Accessories: N/A.

EXECUTION

710 PROTECTION OF COMPONENTS

- General: Do not deliver to site components that cannot be installed immediately or placed in clean, dry, floored and covered storage.
- Stored components: Stacked on level bearers, separated with spacers to prevent damage by and to projecting ironmongery, beads, etc.

730 PRIMING/ SEALING

- Wood surfaces inaccessible after installation: Primed or sealed as specified before fixing components.

750 FIXING DOORSETS

- Timing: After associated rooms have been made weathertight and the work of wet trades is finished and dried out.

- 760 BUILDING IN
- General: Not permitted unless indicated on drawings.
- 780 DAMP PROOF COURSES IN PREPARED OPENINGS
- Location: Correctly positioned in relation to door frames. Do not displace during fixing operations.
- 790 FIXING OF WOOD FRAMES
- Spacing of fixings (frames not predrilled): Maximum 150 mm from ends of each jamb and at 600 mm maximum centres.
- 800 FIXING OF LOOSE THRESHOLDS
- Spacing of fixings: Maximum 150 mm from each end and at 600 mm maximum centres.
- 809 FIRE RESISTING/ SMOKE CONTROL DOORS/ DOORSETS/ ROLLER SHUTTERS/ CURTAINS
- Installation: By a firm currently registered under a third party accredited fire door installer scheme in accordance with instructions supplied with the product conformity certificate, test report or engineering assessment.
- 810 FIRE RESISTING/ SMOKE CONTROL DOORS/ DOORSETS/ ROLLER SHUTTERS/ CURTAINS
- Gaps between frames and supporting construction: Filled as necessary in accordance with requirements for certification and/ or door/ doorset manufacturer's instructions.
- 830 FIXING IRONMONGERY GENERALLY
- Fasteners: Supplied by ironmongery manufacturer.
 - Finish/ Corrosion resistance: To match ironmongery.
 - Holes for components: No larger than required for satisfactory fit/ operation.
 - Adjacent surfaces: Undamaged.
 - Moving parts: Adjusted, lubricated and functioning correctly at completion.
- 840 FIXING IRONMONGERY TO FIRE RESISTING DOOR ASSEMBLIES
- General: All items fixed in accordance with door leaf manufacturer's recommendations ensuring that integrity of the assembly, as established by testing, is not compromised.
 - Holes for through fixings and components: Accurately cut.
 - Clearances: Not more than 8 mm unless protected by intumescent paste or similar.
 - Lock/ Latch cases for fire doors requiring ≥ 60 minutes integrity performance: Coated with intumescent paint or paste before installation.
- 850 LOCATION OF HINGES
- Primary hinges: Where not specified otherwise, positioned with centre lines 250 mm from top and bottom of door leaf.
 - Third hinge: Where specified, positioned on centre line of door leaf .
 - Hinges for fire resisting doors: Positioned in accordance with door leaf manufacturer's recommendations.
- 860 INSTALLATION OF EMERGENCY EXIT DEVICES
- Standard: Unless specified otherwise, install panic bolts/ latches in accordance with BS EN 1125.