

HS2 / MDjv

Maria Fidelis Old School Building

Door Specification

Status:

Revision:

Date:27-11-2023

Revision details:

Contents

L20 Doors/ shutters/ hatches1

L20 Doors/ shutters/ hatches

General

110 Evidence of performance

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

112 Timber procurement

1. **Timber (including timber for wood-based products):** Obtain from well managed forests and/ or plantations in accordance with:
 - 1.1. The laws governing forest management in the producer country or countries.
 - 1.2. International agreements such as the 'Convention on International Trade in Endangered Species of wild fauna and flora (CITES)'.
 2. **Documentation:** Provide either in accordance with chain of custody certification scheme requirements:
 - 2.1. Documentary evidence (which has been or can be independently verified) regarding the provenance of all timber supplied, or
 - 2.2. Evidence that suppliers have adopted and are implementing a formal environmental purchasing policy for timber and wood-based products.
 3. **Chain of custody certification scheme:** In accordance with UK Government Timber procurement policy (UKTPP), i.e. FSC, GiB or PEFC
 - 3.1. **Other evidence:** UK Government Timber procurement policy Category B

115 Fire-resisting and smoke control pedestrian doors/ door assemblies/ doorsets

1. **UKCA/ UKNI/ CE marked fire-resisting and smoke control pedestrian doorsets:** To BS EN 16034 and in conjunction with BS EN 13241, BS EN 14351-1 and BS EN 14351-2.
2. **Door products:** As defined in BS EN 12519.
3. **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-resisting and/ or smoke control if tested to BS 476-22, BS EN 1634-1, BS EN 1634-3 or is UKCA/ UKNI/ CE marked to BS EN 16034. Specified values should not be a combination of both standards. Such certification must cover door and frame materials, glass and glazing materials and their installation, essential and ancillary ironmongery, hinges and seals.
4. Components, assemblies or sets will be marked to the relevant UKCA/ UKNI/ CE marking European product standard (hEN), national product standard and/ or third-party certification rating.

120 Non-fire-resisting pedestrian doors/ door assemblies/ doorsets

1. Provide certified evidence, in the form of a product conformity certificate or engineering assessment, that each pedestrian 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.
2. Components and assemblies will be marked to the relevant UKCA/ UKNI/ CEI marking European product standard (hEN), national product standard and/ or third-party certification rating.

150 Site dimensions

1. Procedure: Before starting work on designated items take site dimensions, record on shop drawings and use to ensure accurate fabrication.
2. Designated items: Refer to drawings and schedules

Products

410 Wood doorsets 30 Mins. FP

1. Description: INTERNAL FIRE-RESISTING 30 MINS
2. Manufacturer: Contractor's choice
3. Door leaf:
4. Core: Manufacturer's choice
5. Thickness: 44mm
6. Facings: Interior-grade plywood
7. Lippings: 15 mm hardwood lipping all round
8. Finish as delivered: Full factory finish
9. Frame and architraves
10. Finish as delivered: Full factory finish
11. Glazing/ infill details: Clear fire-resisting glazing
 - 11.1. Manifestation: Not applicable
12. Beading: Internal
13. Ironmongery: Refer to drawings
14. As ironmongery schedule
15. Perimeter seals: Fire and smoke seal
16. Fire performance
 - 16.1. Fire resistance: To BS EN 13501-2, EIW 30 or better
 - 16.2. Smoke leakage: Manufacturer's standard
 - 16.3. Reaction to fire: To BS EN 13501-1, Class B or better
17. Fixing: Plugged and screwed

415 Wood doorsets 60 Mins. FP

1. Description: INTERNAL FIRE-RESISTING 60 MINS
2. Manufacturer: Contractor's choice
3. Door leaf:
4. Core: Manufacturer's choice
5. Thickness: 54mm
6. Facings: Interior-grade plywood
7. Lippings: 15 mm hardwood lipping all round
8. Finish as delivered: Full factory finish
9. Frame and architraves
10. Finish as delivered: Full factory finish
11. Glazing/ infill details: Clear fire-resisting glazing
 - 11.1. Manifestation: Not applicable
12. Beading: Internal
13. Ironmongery: Refer to drawings

14. As ironmongery schedule
15. Perimeter seals: Fire and smoke seal
16. Fire performance
 - 16.1. Fire resistance: To BS EN 13501-2, EIW 60 or better
 - 16.2. Smoke leakage: Manufacturer's standard
 - 16.3. Reaction to fire: To BS EN 13501-1, Class B or better
17. Fixing: Plugged and screwed

420 External wood doorsets

1. Description: EXTERNAL
2. Manufacturer: Contractor's choice
3. Door leaf:
4. Core: Manufacturer's choice
5. Thickness: 44 mm
6. Finish as delivered: Full factory finish
7. Frame and architraves:
8. Finish as delivered: Full factory finish
9. Preservative treatment: Required
10. Glazing/ infill details: Clear safety single glazing
11. Manifestation: Not required
12. Beading: Internal
13. Ironmongery: Externally mounted push pad to exit and latch / fire exit signage
14. Perimeter seals: Fire and smoke seal
15. Fire performance
 - 15.1. Fire resistance: To BS EN 13501-2, EIW 30S
 - 15.2. Smoke leakage: Manufacturer's standard
 - 15.3. Reaction to fire: To BS EN 13501-1, Class B or better
16. Thermal performance (U-value maximum): Manufacturer's standard
17. Other requirements: Automatic drop seal to provide weather proofing
18. Fixing: Plugged and screwed

490 Main entrance automatic doors

1. Description: External main entrance doors
2. Type: Automatic swing LH and RH external opening
3. Manufacturer: Raynaers
 - 3.1. Product reference: CS77
4. Performance: Thermal insulation: 1.7W/mK
5. Safety in use: BS EN 16005
6. Materials/ finishes
 - 6.1. Doors: Aluminium RAL 9017
 - 6.2. Frames: Aluminium RAL 9017
7. Glazing/ infill details: Clear safety double glazing
 - 7.1. Manifestation: As drawing
8. Activation and control system: Automatic, infra-red controlled Geze EN7

- 8.1. Safety devices: Break out function / Emergency stop / Presence sensor / Pressure sensitive strip
- 8.2. Breakout facility: Required
- 9. Locking mechanism: Mechanical or Electro-mechanical
- 10. Barriers: Refer to drawings

490 Automatic sliding door and partition sets

- 1. Manufacturer: [GEZE UK Limited](#)
 - 1.1. Contact details
 - 1.1.1. Address: Blenheim Way
Fradley Park
Lichfield
Staffordshire
United Kingdom
WS13 8SY
 - 1.1.2. Telephone: [+44 \(0\)1543 443000](tel:+44(0)1543443000)
 - 1.1.3. Web: www.geze.co.uk
 - 1.1.4. Email: specification.uk@geze.com
 - 1.2. Product reference: [GEZE Slimdrive SL NT PAS24 Sliding Doors](#)
- 2. Performance: Internal.
- 3. Arrangement: Bi-part sliding door.
- 4. Door leaves
 - 4.1. Construction: GEZE aluminium door leaf fabricated from non-thermally insulated sections using 65 mm (leading edge), 70 mm (back edge) double weather-stripped stiles, 100 mm top rails, 100 mm bottom rails and 20 mm deep clip-in glazing beads.
 - 4.2. Finish and colour: Powder-coated, RAL 9017
- 5. Operation: Powered.
- 6. Accessories: Standard signage to EN 16005.
- 7. Activation and control system: Entry: Access control system (to be advised); Exit: One Stainless Steel Push Plate - engraved 'Push to Open'. One Green resettable break glass unit - for emergency egress.
- 8. Locking mechanism: Motor locking device housed within drive unit.
- 9. Power failure: Battery pack in the event of power failure.
- 10. Safety devices: Full door height pocket protection screens: Aluminium framed protection screen.
- 11. Power supply: Doors and locks to remain operationally functional.
- 12. Mode of operation: LED programme switch to provide off, exit only, hold open, reduced opening and fully automatic modes.
- 13. Glazing: Double glazed in 6.8/12/6.8 mm clear laminated safety glass.
- 14. Floor guide: Full width recessed floor guide.
- 15. Drive: GEZE Slimdrive SL NT Electro-mechanical Sliding Door Operator with Microprocessor control and silent brushless D.C. Motor.

610 Roller shutter

- 1. Description: North Gower Street security shutter
- 2. Manufacturer: [HAG Ltd. - The Door Specialists](#)
 - 2.1. Contact details

2.1.1.Address: 1 Oak Lane
Fishponds
Bristol
United Kingdom
BS5 7UY

2.1.2.Telephone: [0800 072 3444](tel:0800 072 3444)

2.1.3.Web: <https://www.hag.co.uk/>

2.1.4.Email: info@hag.co.uk

2.2. Product reference: [Roller Shutter Door Armourguard P1](#)

3. Opening sizes: 4380mm W x 2635mm H
4. Format: Internal.
5. Arrangement: Vertical operation.
6. Shutter curtain.
 - 6.1. Lath material: Galvanized steel.
 - 6.2. Profile: Curved perforated.
 - 6.3. Finish and colour: Polyester powder-coated. RAL 9017 (Traffic Black)
7. Frame and guides
 - 7.1. Material: Steel.
 - 7.2. Finish: As shutter curtain.
 - 7.3. Colour: As shutter curtain.
 - 7.3.1.Frame accessories: None.
8. Operation
 - 8.1. Mode: Electrical, single phase.
 - 8.2. Control: Security key switch.

Execution

760 Building in

1. General: Not permitted unless indicated on drawings.

770 Damp-proof courses associated with built-in wood frames

1. Method of fixing: To backs of frames using galvanized clout nails.

780 Damp-proof courses in prepared openings

1. Location: Correctly positioned in relation to door frames. Do not displace during fixing operations.

790 Fixing of wood frames

1. 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

1. Spacing of fixings: Maximum 150 mm from each end and at 600 mm maximum centres.

809 Fire-resisting and smoke control doors/ door assemblies/ doorsets/ roller shutters and curtains – accredited installer

1. 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 and smoke control doors/ door assemblies/ doorsets/ roller shutters and curtains – contractor installed

1. Gaps between frames and supporting construction: Filled as necessary in accordance with requirements for certification and/ or door/ doorset manufacturer's instructions.

811 Fire-resisting and smoke control doorsets, industrial, commercial and garage doors

1. Installation: By manufacturer or their approved installers, in accordance with requirements of BS EN 16034 and in conjunction with BS EN 13241, including the Declaration of Performance (DoP) certification for the UKCA/ UKNI/ CE marked doorset.

820 Glazing compounds and sealants Type A

1. Sealant
 - 1.1. Manufacturer: [Sika Limited](#)
 - 1.1.1. Contact details
 - 1.1.1.1. Address: Watchmead
Welwyn Garden City
Hertfordshire
AL7 1BQ
 - 1.1.1.2. Telephone: [+44 \(0\)1707 394444](tel:+44(0)1707394444)
 - 1.1.1.3. Web: www.sika.co.uk
 - 1.1.1.4. Email: enquiries@uk.sika.com
 - 1.1.2. Product reference: Contractor's choice
 - 1.2. Colour: Black
 - 1.3. Application: As section Z22 to prepared joints. Triangular fillets finished to a flat or slightly convex profile.

830 Fixing ironmongery generally

1. Fasteners: Supplied by ironmongery manufacturer.
 - 1.1. Finish/ corrosion resistance: To match ironmongery.
2. Holes for components: No larger than required for satisfactory fit/ operation.
3. Adjacent surfaces: Undamaged.
4. Moving parts: Adjusted, lubricated and functioning correctly at completion.

840 Fixing ironmongery to fire-resisting door assemblies

1. 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.
2. Holes for through fixings and components: Accurately cut.
 - 2.1. Clearances: Not more than 8 mm unless protected by intumescent paste or similar.
 - 2.2. Lock/ latch cases for fire doors requiring > 60 minutes integrity performance: Coated with intumescent paint or paste before installation.

850 Location of hinges

1. Primary hinges: Where not specified otherwise, positioned with centre lines 250 mm from top and bottom of door leaf.
2. Third hinge: Where specified, positioned with centre line 250 mm below centre line of top hinge .
3. Hinges for fire-resisting doors: Positioned in accordance with door leaf manufacturer's recommendations.

860 Installation of emergency exit devices

1. Standard: Unless specified otherwise, install panic bolts/ latches in accordance with BS EN 1125.
Ω End of Section

