

P21 IRONMONGERY

To be read with Preliminaries/General conditions.

See ironmongery schedule to appendix.

GENERALLY

- 110 **GENERAL REQUIREMENTS:**
Detailed requirements and locations of ironmongery are set out in ironmongery schedule included in the appendix.
Fixing is specified in sections L10 and L20.
Coordination required between contractor and supplier to ensure there is no conflict to ironmongery on site.
- 120 **IRONMONGERY RANGES:**
- Unless specified otherwise, select ironmongery from one coordinated range so far as possible. Where particular items are unavailable within the range, alternatives compatible in performance, design, style, material, colour and finish may be submitted for approval.
 - Inform CA of selected range, manufacturer and/or supplier.
 - Principal material/finish: SAA
- 170 **IRONMONGERY FOR FIRE DOORS:** Unless specified otherwise, select ironmongery to comply with the recommendations of the Association of Builders' Hardware Manufacturers Code of practice 'Hardware for Timber Fire and Escape Doors'.
- 180 **CATEGORY OF USE (DURABILITY):** Unless specified otherwise, select ironmongery components to suit the following level(s) of use as a minimum (as defined in BS 7352, Appendix C and DD 171): Heavy Duty
- 200 **DOOR PARAMETERS:** When selecting ironmongery, the following values may be assumed for tendering purposes. Check suitability of ironmongery when actual values are known and before fixing. See Door Schedule.

HANGING DEVICES

- 310 **HINGES:**
- To BS 7352 and marked accordingly. Unless specified otherwise, select strength class to suit door weight, duty, number of hinges and other factors as recommended in BS 7352, Appendix C.
 - Corrosion protection: Unless specified otherwise:
CP 24 for internal use
CP 48 for damp internal and unpolluted external use
CP 96 for polluted atmospheres.
- 331 **NUMBER OF HINGES:** Provide three butt hinges to all doors, unless specified otherwise.

OPERATING DEVICES

- 410 **OVERHEAD CLOSERS GENERALLY:**
- Manufacturer and reference: See ironmongery schedule to appendix.
Type: Standard
Other functions: Closing check to prevent slamming.
Finish: SAA.
 - Closers must:

- Be matched to the sizes and weights of doors.
 - Override latches and/or door seals when fitted.
 - Hold unlatched doors shut under normal working conditions.
- 420 OVERHEAD CLOSERS FOR FIRE DOORS: In addition to the general requirements for closers, overhead closers for fire resisting doors must:
- Be types included in successful tests to BS 476-22 of door assemblies similar to those for which the closers are proposed. Submit evidence of testing by an approved laboratory.
 - Be fixed on the opening face of the door unless specified otherwise.
 - Have no mechanical hold open facility.
 - Close positively against smoke seals where fitted.
 - Have arms of iron, steel or other metal with melting point not less than 800°C.

SECURING

- 510 LOCKS: As Schedule. - To BS 3621 and Kitemarked.
- 515 LOCKS: As Schedule.
- To BS 5872.
- 540 LATCHES:
- To BS 5872.
 - Latch springs must be strong enough to prevent unsprung lever handles drooping.
- 550 LOCKS/LATCHES FOR FIRE RESISTING DOORS:
- Must not compromise the fire performance of the door and must be approved for the purpose by the door leaf manufacturer.
 - Components critical to the retention of the door in a closed position must not have a melting point lower than 800°C.
- 560 ESCAPE LOCKS: Locks specified for security purposes on escape routes must be fitted with a means of **withdrawing the bolt without use of a key**.
- 571 EMERGENCY EXIT DEVICES:
- Manufacturer and reference: To be agreed.
 - Additional requirements: Fail safe.
 - Finish/Colour: To be agreed.
- 577 PANIC EXIT DEVICES:
- Manufacturer and reference: To be agreed.
 - Additional requirements: Fail safe.
 - Finish/Colour: To be agreed.
- 580 EMERGENCY/PANIC EXIT DEVICES FOR FIRE DOORS:
- Type included in successful tests to BS 476-22 of door assemblies similar to those for which the closers are proposed. Submit evidence of testing by an approved laboratory.
- 585 BOLTS GENERALLY: Unless specified otherwise, provide bolts:
- To match door furniture and sized to suit height, weight and function of door.
 - To secure the first closing leaf on double doors.
- 595 PRIVACY BOLTS must incorporate an external emergency release facility.

FURNITURE

- 610 LEVER HANDLES:
- To BS 4951.
 - Mounting: Rose.
- 641 PULL HANDLES:
- Shape: "D" handles.
 - Diameter: 19 mm.
 - Distance between centres: 600 mm.
 - Mounting: Bolt through with bolt cap.
- 670 PUSH PLATES:
- Size: 300x75 with rounded edges and radiused corners.
 - Material/Finish: SAA
- 690 KICK PLATES FOR ALL DOORS:
- Size: 200mm high with rounded edges and radiused corners.
 - Material/Finish: SAA
- 710 ESCUTCHEONS: Provide separate escutcheons to keyholes where not part of a back plate.
- 720 STOPS: Unless specified otherwise, are required for doors opening against walls other than those fitted with closers with a back check facility.
Type: Rubber set into SAA base
- 730 FINGER GUARDS
- To all doors
- 740 FIRE RESISTING LETTER BOX THROUGH WALL WITH FIREPROOF BOX:
- Fire resistance to BS 476-22
 - Provide through wall built-in letter box. Fireproof with lock to accommodate A4 plus letters.
 - Manufacturer: TBA.
 - Ref:TBA
- 750 LIMITING STAYS:
- Material/Finish: SAA.
 - Features: Fit to all outward opening external doors.
- 811 COAT HOOKS:
- Manufacturer and reference: To be agreed.
 - Type(s): To be agreed
 - Material/Finish: SAA
- 850 THRESHOLD WEATHERSTRIP:
- Manufacturer and reference: Sealmaster low threshold for accessibility
- 855 WEATHERSTRIP to head and jambs:
- Manufacturer and reference: Contractor's choice.
- 910 AIR TRANSFER GRILLES:
- SAA, square aperture.

Revisions