

**7.7 METAL WORK GENERAL**

Grades of metals, section dimensions and properties shall be prescribed in accordance with appropriate British standards. When not specified, grades and sections shall be appropriate for the purpose. Metalwork shall be carefully and accurately fabricated to ensure compliance with design and performance requirements using types, grades and sections of metal appropriate for the purpose. Finished work must be free from distortion and cracks.

**7.8 WOODWORK GENERAL**

All woodwork shall generally comply with British standards 1186 parts 1 and 2.

**7.9 DOORS AND WINDOWS**

- 7.9.1 Aluminum alloy windows and screens shall comply with the general requirements of BS 4873. Weather tightness shall be to BS 6375: Part 1 constructed from extruded aluminum sections made from alloy 6063 fully heat treated. Bearing devices, hardware and reinforcing members are to be from material that is corrosion resistant and compatible with aluminum. Weather-stripping is to be made from neoprene or EPDM rubber. Aluminum sections are to have electrostatically applied polyester powder coating or fluoro-polymer finish. Operation and strength characteristics to be to BS 6375: Part 2.
- 7.9.2 Flush steel doors shall be to BS 6510. Doors are to be flush, watertight, with closed tops and edges and reinforced internally with stiffeners welded and spaced not more than 150 mm over centers. Fire resisting steel doors are to satisfy the requirements of BS 476: Parts 20 and 22.
- 7.9.3 Wood semi-solid core flush doors are to be to BS 4787 part 1. Wood fire-resisting flush doors are to satisfy the requirements of BS 476: Parts 20 and 22;
- 7.9.4 Roller Shutters: Comprising curtain of interlocking galvanized steel with electrostatically applied polyester powder coating finish, supplied complete with barrel rollers, helical springs, vertical guides, operating gear for motorized operation, hoods, personnel doors, glazed panels and ventilation slots, as shown on the drawings, and with manufacturer's standard ironmongery, accessories and fixings.

- 7.9.5 All doors within a facility must be on a master key, a copy of which must be handed to the Authority.

**7.10 FIRE RESISTANCE**

The specified performance is to be the minimum period attained when tested for integrity in accordance with the relevant parts of the British standard (BS 476), U.L. standards and shall be listed for the intended function and use by an authorized third party approved by the Authority.