

8 CARPENTRY AND JOINERY

8.1 Materials

- 8.1.1 Timber shall be in accordance with the requirements of BS 1186 'Quantity of Timber and Workmanship in Joinery', Part 1, 'Quality of Timber'.
- 8.1.2 Timber and timber products shall be subject to the inspection and approval of the Consultant.
- 8.1.3 Timber shall be seasoned to stable moisture content compatible with the finished use, straight and true and free from wind, warp and distortion and in lengths suitable for the members required.
- 8.1.4 All timber shall be in long lengths and laps, scars or splices shall be over a bearing surface. Where obtainable, finishing timber exposed to view shall be in single lengths.

8.2 Preservation of Timber

- 8.2.1 All timber shall be treated for insect attack and is to be of the correct moisture content and free from surface moisture content and dirt.
- 8.2.2 All rafters, purlins, framing scribe pieces, wall plates, and trusses etc. (if any) shall be treated for insect attack with approved timber preservative. No extra payment shall be made for such coating and will be considered inclusive in the rate of the respective item in the BOQ.
- 8.2.3 Treatment shall be carried out after all cutting and shaping is completed.

8.3 Hardware

- 8.3.1 Hardware shall be standard quality and samples shall be submitted to the Consultant for approval.
- 8.3.2 All hinges shall be stainless steel or brass and shall be approved by the Consultant.
- 8.3.3 The dimensions and quality of hardware shall meet the requirements and shall not be rusted, deformed or defective.

8.4 Dimensions and Finish

- 8.4.1 All dimensions of timber given are finished dimensions.
- 8.4.2 All elements and others of structural nature, which are exposed, must be machine planed to a smooth finish.
- 8.4.3 All unexposed timber shall be machine planed to a rough finish.
- 8.4.4 All joinery work shall be dressed on all four sides and hand dressed where necessary and sanded to all exposed surfaces. All arises in any way accessible shall be sanded and smoothed off.

8.5 Workmanship

- 8.5.1 All connections whether nailed, screwed glued, moticed or dove-tailed shall be accurately made and properly executed to provide sound, satisfactory connections for the class of work required.
- 8.5.2 Timbers containing defects or distortions shall not be used.
- 8.5.3 All joinery shall be manufactured by skilled tradesman with accurate tolerances and set out and with tools, jigs, machines and equipment appropriate for the work.

Assembly of the joinery units and joinery frames, etc. shall be by means of glued connections appropriate to the work - motice and tennon, housing and doweling, etc. where practicable including the use of glued blocks wherever required. Nailing, screwing shall only be used with prior approval of the Consultant, corrugated fasteners shall not be used for effecting connections.