

JOINERY

1 GENERAL**1.1 TOLERANCES****Responsibilities**

Fabricate and install joinery items. Items to be undamaged, plumb, level, straight and free of distortion and to the **Tolerances table**.

Tolerances table

Property	Tolerance criteria
Plumb and level	2 mm in 800 mm
Offsets in flush adjoining surfaces	< 1 mm
Alignment of adjoining doors	< 1.5 mm

1.2 INSPECTION**Notice**

Give sufficient notice so that inspection may be made of the following:

- Shop fabricated or assembled items ready for delivery to the site.
- Site erected assemblies on completion of erection.

1.3 SUBMISSIONS**Samples**

Submit samples to the **Sample table** for approval by the Engineer.

Sample table

Description	No. of samples
Each type of board to be used complete with finish and edge stripping	2
Typical item of hardware indicating each finish	2
Stone benchtop indicating range of colours	2
Timber balustrade section	1
The finish to all stainless steel items	2
Complete timber bench cupboard door, including hardware	1
Complete drawer front, including hardware	1

2 PRODUCTS**2.1 JOINERY MATERIALS AND COMPONENTS****Joinery timber**

Best quality Russian joinery timber to approval of the Engineer.

Plywood

Best quality imported plywood to approval of the Engineer.

Decorative overlays

Timber veneer or laminate to approval of the Engineer.

Thickness (minimum):

- For horizontal surfaces fixed to a continuous background: 1.2 mm minimum.

- For vertical surfaces fixed to a continuous background: 0.8 mm.
- For edge strips: 0.8 mm.

Stone facings

Provide stone slabs to benchtops within the visual range of the approved samples.

Timber veneers

Provide veneers falling within the visual range of the approved samples.

2.2 JOINERY ITEMS**General**

Provide materials noted on drawings as follows:

- Joinery components and their location, indicative construction details, trims, materials, dimensions and thicknesses, and finishes shall be as detailed.
- All dimensions noted on drawings shall be confirmed on site before construction of the joinery.
- Finishes selections and hardware are noted in the **Joinery Fixtures schedule**.

2.3 KITCHEN ASSEMBLIES**Plinths**

Material: Construct from exterior grade general purpose plywood unless already in place as a concrete plinth.

Thickness: 16 mm.

Fabrication: Form up with front and back members and full height cross members at not more than 900 mm centres.

Finish: Decorative laminated sheet or ceramic/ stone tile finish.

Installation: Fix to floor and secure to wall to provide level platform for carcasses.

Carcasses

Material: Select from the following:

- Melamine overlaid high moisture resistant particleboard.
- Approved solid timber sections.

Thickness: 16 mm minimum.

Joints: Select from the following:

- Proprietary mechanical connections.
- Screws and glue.

Shelves: Support on battens or fix directly into grooves in side walls of joinery units.

Finish: Decorative laminated sheet or solid timber finish.

Fasteners: Conceal with finish.

Installation: Secure to walls at not more than 600 mm centres.

Drawer fronts and doors

Material: Refer to the drawings for specific details of joinery or select from the following:

- Melamine overlaid high moisture resistant particleboard.
- Approved solid timber sections with or without inset glass panels.
- Metal grille or sheet metal panels fixed over timber frames

Thickness: 16 mm minimum.

Maximum door size: 2400 mm high, 900 mm wide, 1.5 m² on face.

Finish: Decorative laminated sheet, solid timber finish or paint.

Drawer backs, sides and bottoms

Material: Select from the following:

- Melamine overlaid high moisture resistant particleboard.
- Approved solid timber sections.

Thickness: 12 mm minimum.

Finish: Decorative laminated sheet or solid timber finish.

Laminated benchtops

Material: High moisture resistant particleboard.

Benchtop thickness: 33 mm.

Finish: Decorative laminated sheet.

Exposed edges: Extend laminate over shaped nosing, finishing > 50 mm back on underside or provide solid timber edge trim.

Installation: Fix to carcass at least twice per 600 mm length of benchtop.

Joint sealing: Clamp with proprietary mechanical connectors to ensure high quality connection between benchtop sections. Ensure joints in benchtops are clear of sinks to avoid water damage to joint.

Stone or concrete benchtops

Material:

- Thickness is to be minimum of 40mm unless noted otherwise on the drawings.
- Concrete benchtops may have a polished finish or be covered with ceramic tiles.

Splashback:

Material is identical to benchtop unless noted otherwise in **Fixtures Schedule**.

- Thickness is to be 16mm for high moisture resistant particleboard with laminate finish.
- Thickness is to be 20mm minimum for stone.
- Thickness is to be 40mm minimum for concrete. Alternatively use ceramic tile splashback for concrete benchtops.
- Waterproof silicone sealant is to be used as a continuous seal between the benchtop and splashback.

Drawer and door hardware

Hinges, drawer runners, door handles and locks are to be to the approval of the Engineer.

2.4 TIMBER BALUSTRADES

Provide materials for the approval of the Engineer before installation. Ensure all dimensions are checked on site before construction starts. Refer to BOQ and drawings for extent of work.

3 EXECUTION

3.1 JOINERY

General

Joints: Provide materials in single lengths whenever possible. If joints are necessary make them over supports.

Framing: Frame and trim where necessary for openings, including those required by other trades.

Accessories and trim

Provide accessories and trim necessary to complete the installation.

Fasteners

Visibility: Do not provide visible fixings except in the following locations:

- Inside cupboards and drawer units.
- Inside open units.

Visible fixings: Where fastenings are unavoidable on visible joinery faces, sink the heads below the surface and fill the sinking flush with a material compatible with the surface finish. In surfaces which are to have clear or tinted timber finish provide matching wood plugs showing face (not end) grain. In surfaces which are to have laminate finish provide proprietary screws and caps finished to match.

Fixings: Screws with washers into timber or steel framing, or masonry anchors to brickwork.

Adhesives

Provide adhesives to transmit the loads imposed and to ensure the rigidity of the assembly, without causing discolouration of finished surfaces.

Finishing

Edge strips: Finish exposed edges of sheets with edge strips which match sheet faces or use solid timber trims as noted on the drawings.

Matching: For surfaces which are to have clear or tinted finish, arrange adjacent timber pieces to match the grain and colour.

Hygiene requirements: To all food handling areas and voids at the backs of units to all areas, seal all carcass junctions with walls and floors, and to cable entries, with silicone sealant for vermin proofing. Apply water resistant sealants around all plumbing fixtures and ensure the sealants are fit for purpose.

3.2 DELIVERY AND STORAGE

General

Deliver joinery units to site in unbroken wrapping or containers so that its moisture content is not adversely affected. Do not store in areas of wet plaster. Keep storage to a minimum by delivering items only when required for installation.

Examine joinery units for completeness and repair defects before installing in place.

Background

Clean all background surfaces that will be permanently concealed behind joinery before installing in place.

3.3 TIMBER BALUSTRADES

General

Provide a balustrade to the stair and landing, consisting of posts, handrail, infill panels, and associated mouldings as noted in the BOQ and drawings.

3.4 COMPLETION

Cleaning

Temporary coatings: On or before completion of the works, or before joining up to other surfaces, remove all traces of temporary coatings used as a means of protection.

General: Remove all dust, marks and rubbish from all surfaces and internal spaces. Clean and polish all surfaces such as solid timber, anodised or painted metals, glass, stone, concrete, ceramic tiles and laminates.

Refer to the **Joinery Fixtures Schedule** for locations, type and finishes of joinery items.