9 Furniture and Fittings

9.1 General

All University furniture, furnishings and fittings should be purchased in accordance with the Estates Property & Facilities guidelines located on the web at:
http://www.fmd.USP.edu.au/campus_services/furniture/

In the design and selection of furniture and fittings consider the requirements of people with disabilities. Refer to Section 16 Circulation for further details.

9.2 Whiteboards and Pinboards

Whiteboards and Pinboards of a fixed type and those of sliding, rotating or special nature which generally occur in large lecture theatres shall be installed as part of the building project. Special requirements are set out in space description forms or will be determined in conjunction with USP.
The following are generally applicable:

Area	Description
Offices	Whiteboard 1200mm x900mm with pen rail
	Boards mounted outside office - TBD
	Pinboard 1200mm x 900mm
Teaching Rooms	Whiteboards and pinboards as required - refer Section 19 Teaching Spaces
Laboratories	Whiteboards and pinboards as required - refer Section 20 Special Requirements for Laboratories
Common & Meeting Rooms	Establish the board requirements for the particular project.

Boards generally shall have aluminium edge frames with concealed, secure fixings. Mounting to stud framed walls shall match that for shelving as described in Section 8 (Roofs).3.

Whiteboards shall be sandwich panel of white vitreous porcelain on 13mm caneite core with galvanised steel backing sheet and aluminium edge trim.

Pinboards generally shall be 6mm Krommenie on 8mm particle board with aluminium edge trim. Pinboards constructed as fabric-wrapped (fabric similar to "Front Runner") glued to 13mm Caneite and screw fixed to wall and capped with proprietary metal screw caps may be acceptable in refurbishment works where necessary to match existing.

9.3 Fixtures to General Offices

Departmental/School Offices may require, near to the Enquiry Counter, a provision for receipt of mail, messages and the like for each staff member, and provision for receipt of student assignments. Typically

these pigeonhole units are built into walls for dual-side access and are not free standing. Open pigeonhole units for placing of messages to students marked alphabetically 'A-Z' may be required by some Faculties.
The design brief shall establish these requirements including size, configuration and locking.

9.4 Shelves

Particular requirements for shelves throughout the building shall be determined in the development of the Brief and documented on a room by room basis.

Wall shelving shall be fully adjustable using white "U-rect-it" components. Keyhole stripping shall be fixed to walls and partitions at 600mm max centres into studs with screws or "Ramset Hollow Wall" or "Hilti Cavity" anchors. "Wall Mate" fixings to wall linings and plastic inserts to screws are not acceptable. Shelving shall be Formex "Mist Grey" or "Seal Grey" (or equivalent colours) melamine finished 25mm medium density fibreboard (Craftwood or equivalent) with T-mould tap-in PVC edging all round, colour to selection, 300mm wide unless otherwise required.

9.5 Directory Boards & Room Names

All directory boards and direction systems inclusive of room numbers and names are provided within the building project and in accordance with the requirements of Section 18 Signage

Lobbies and similar entry spaces should be designed to accommodate directory boards.

9.6 Official Notice Boards & General Notice Boards

Please refer to Section 18 Signage

9.7 Toilet Fittings

Toilet Airlocks or Wash Basin Areas
Provide in each space:

9.7.1 Vanity bench unit with full width mirror minimum 800mm wide above tiled splashback
9.7.2 Electric hand dryer, push button operated. Installation: one dryer for each three basins or less
9.7.3 GPO adjacent mirror.
9.7.4 Paper towel dispensers are only to be installed at request of client and in consultation with Cleaning Manager. Product is Kimberley Clarke (roll towel dispenser) product code KC4941, white in colour. From Hanleys, 21 Yarraman Place, Virginia, QLD 4014. Ph.: 32162711 fax 32162722.
9.7.5 Soap dispenser, wall mounted shall be Campbell Cleaning Technologies, Dermaflo CB166221.5LT ph. 07-3710320032 Perlvale St Darra QLD. Installation: one dispenser for each three basins or less. Locate such that soap cannot drip onto the floor.

Toilet Cubicle
Provide in each cubicle:

9.7.6 Toilet roll holder dispensers shall be Jumbo-roll from Queensland Tissue Products A.B.C D-500. PWD accessible toilets shall have standard Bradley Model 5241 Double Roll Tissue Holder.

9.7.7 Coat hook (c.p.), 1 No, to back of door

9.7.8 Sanitary napkin disposal units are not required to be installed, but each female or unisex cubicle shall be sufficiently sized to accommodate a unit 300w x 220d x 850h and not obstruct the patron's space.

9.7.9 Provide small shelf for handbag/papers

Unisex Toilet for People with Disabilities

Provide in each facility:

9.7.10 Vanity Bench and Grab rails

9.7.11 Electric hand dryer, push button operated. Installation: one dryer for each facility or Hygenex 00020 White paper dispenser supplied by Carter Holt Harvey.

9.7.12 Wall mounted mirror (Bradley No. 740-1836 or equivalent) positioned as per AS1428.

9.7.13 Bradley Model 5241 Double Roll Tissue Holder.

9.7.14 Coat hook (c.p.), 2 No, door mounted

9.7.15 Wall mounted J & D MacDonald folding baby change table (Main building entrance level only, one per building)

9.7.16 Allow space for sanitary napkin disposal units

Shower Cubicle

Provide in each cubicle:

9.7.17 Built-in soap holder

9.7.18 Coat hook (c.p.), 2 No, door mounted

9.7.19 Fixed seat/bench for changing purposes

9.7.20 Sliding shower screen door.

Shower for People with Disabilities

Provide in each facility:

9.7.21 Folding seat in cubicle

9.7.22 Grabrail(s)

9.7.23 Fixed shower head with diverter to detachable head

9.7.24 Shower head support grabrail and detachable portable shower head

9.7.25 Built-in soap holder

9.7.26 Coat hook (c.p.), 2 No, door mounted

9.7.27 Commercial-quality shower curtain and heavy duty stainless steel rail

9.7.28 These facilities will usually be combined with a PWD unisex toilet.

Note: There is a concern regarding the risk of bacterial growth in permanently installed flexible shower hoses serving a portable shower head. The detachable shower head will be held by the Disabilities Officer and provided when the user need arises.

9.8 Chilled Water Drinking Fountains

Allow in the building project the supply and installation of ZIP brand dual (adult/PWD) accessible chilled water drinking fountains (with the option of a cup filler gooseneck) at the rate of one installation to each floor level.

9.9 Built-in Furniture

Built-in furniture should not be used in office areas. This is to assist with future reuse and flexibility of space. Specific approval must be sought for any built-in furniture and designers must ensure that all access requirements are considered in the design.

All built-in furniture, cupboards and laboratory benches shall be supplied as part of the building project. Where applicable, details to match existing shall be determined in conjunction with USP. Generally, all built- in furniture shall be finished in laminated or timber veneer finish. Furniture must not preclude access to the windows for cleaning or access to installed services and outlets.

9.10 Moving Aisle Storage

Moving aisle storage when specified in space description forms may be Compactus, Conserv-an-aisle or similar and shall be supplied and installed as part of the building project. Refer also Section 12 Structural Design regarding compactus floor loadings.

9.11 Furniture & Equipment provided by USP

Generally all items of loose furniture will be included as a separate item in the overall project budget. Where applicable, items must match existing furniture.

This includes, but is not limited to:

9.11.1 Workstations
9.11.2 Desks
9.11.3 Returns
9.11.4 Book cases
9.11.5 Filing Cabinets
9.11.6 Refrigerators (should be frost free to avoid leaks)
9.11.7 Stationery Cupboards
9.11.8 Lockers
9.11.9 Waste Paper Bins
9.11.10 Tables (all types)
9.11.11 Chairs (all types) - All chairs to take a minimum 80Kg, and at least 25% of seats to be large. This applies also to tablet armchairs.
9.11.12 Lateral Filing Units
9.11.13 Screens (office)
9.11.14 Drafting Stations

9.11.15 Storage Units (all types)
9.11.16 Dishwashers (RW)
9.11.17 Stoves

Equipment such as computers, printers, appliances, cutlery/crockery will generally be provided separately.

9.12 Office Furniture

The following loose furniture will be provided as part of the fitout for a "standard" enclosed office:

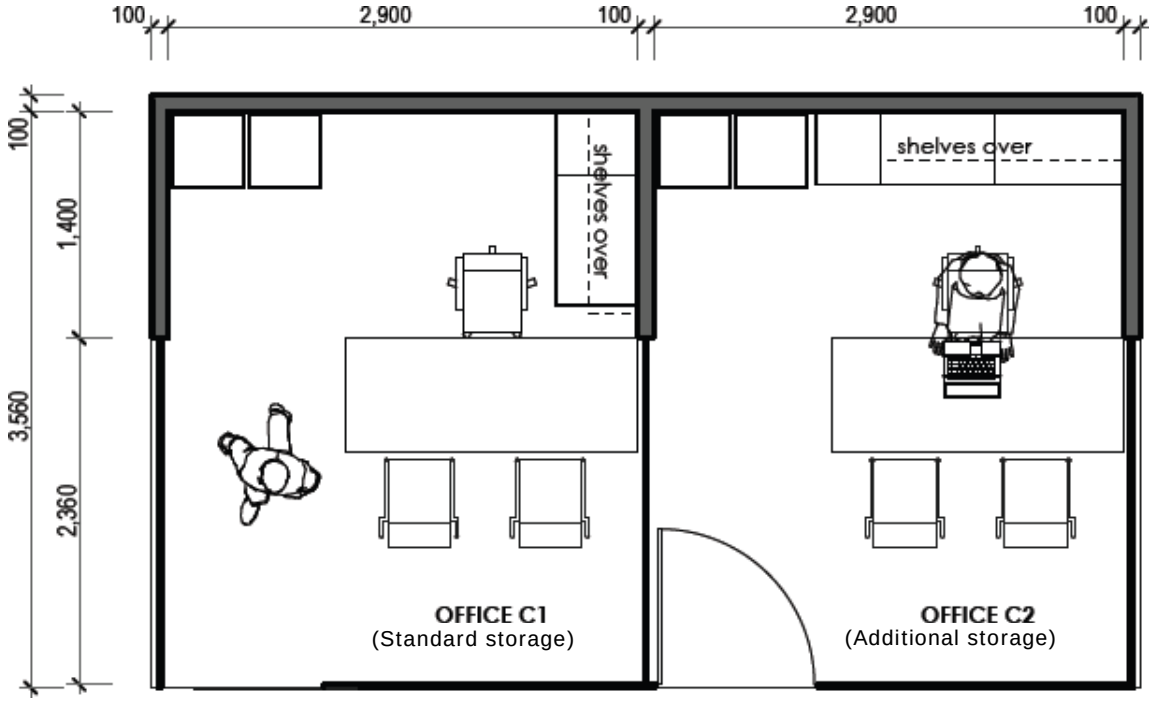
9.12.1 1 x Workstation
9.12.2 1 x Mobile Pedestal (under-bench)
9.12.3 1 x Ergonomic office chair
9.12.4 x Visitor's chair
9.12.5 4.5 lineal metres of shelving/storage (predominantly standalone and/or mobile with minimal fixed shelving). Additional storage (up to a maximum of 7 lineal metres) may be provided where there is a demonstrable need. Personal storage will be further supplemented by secure shared storage and facility hubs throughout the work space.

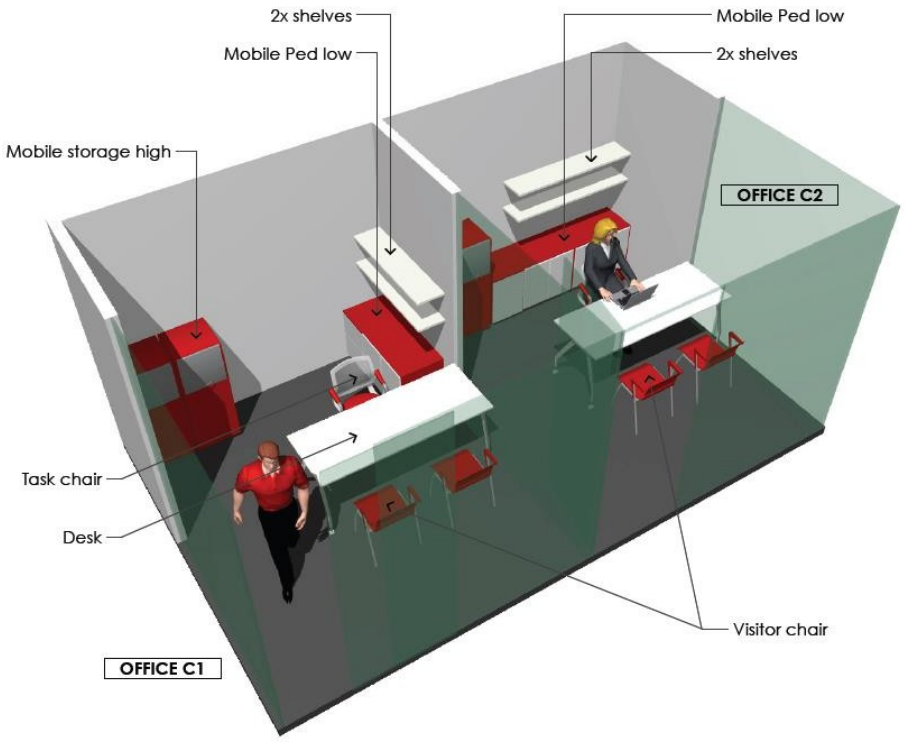
All furniture should be free standing and/or mobile. No fixed joinery is to be provided.

All workstations are to be ergonomically designed according to AS4443, AS4442 and AS3590.2. Monitors to have, or be on adjustable pedestals and adjustable chairs are to be provided. If workstations are required to have adjustable keyboards, the keyboard is to be a minimum of 700mm wide to accommodate both keyboard and mouse.

Indicative furniture layouts for a standard 11m^2 enclosed office are provided on the following page.

Indicative furniture layouts for a standard 11m² Enclosed Office:





9.13 Blinds

All external windows shall have blinds unless agreed in writing with USP. All blinds shall be of the Silent Gliss Sidewinder Roller Blind System 4210 type only. Curtains, horizontal venetians and vertical blinds are generally prohibited. All blinds, where required, shall be supplied and fitted as part of the project. Provision shall be made for adequate battens, pelmets and the like to provide secure fixing. The need for blinds shall be minimised through use of passive solar means. Blinds may be provided for low (early and late solar angles) sun penetration control, glare control, or for visual privacy. Particular care should be taken to prevent glare and sun penetration around edges of vertical drapes and glare through drape fabric.

In teaching areas, meeting rooms and other rooms requiring black-out capability, blinds/curtains fabric shall be 'block-out' type.

9.14 Projection Screens

Projection Screens for slides, overhead projection or film shall be provided as set out in Section 19 Teaching Spaces. The size and location requirements will be determined in conjunction with USP.

9.15 Door Stops

Refer Section 10.21 (Door Stops).

9.16 Cabin Hooks

Refer Section 9 (Furniture and Fittings).

9.17 Accessories & Fittings

Cupboards etc.
Hinges may be stainless steel butt or piano or each to suit the particular design. Fully concealed hinges shall be BLUM all metal construction or equivalent to suit application.

Door Handles and Drawer Pulls must be Satin chrome plated brass "D" handles, 110mm long.

9.18 Locks

Cupboard door locks shall be L&F camlocks or equivalent type complete with flange to conceal hole in door or drawer. Key alike where banks of doors are used.

9.19 Catches

Lincoln Sentry 851 or equivalent nylon double roller catches as required.

9.20 Drawer Slides

For normal use applications, BLUM 230M (30Kg capacity) or equivalent, epoxy-coated steel runner with nylon rollers;

For heavy duty applications (file drawers and the like), Lincoln Sentry 5712 full extension side fix (45Kg capacity) or equivalent, cold rolled steel rails with nylon rollers and steel ball bearings.

9.21 Rubbish Bins for External Use

The preferred design is a low maintenance enclosure of a wheelie bin with a roof to prevent birds removing rubbish. Provide the type below or submit alternative for approval by USP.

240 Litre Bin
WBEMJ240 with powder coated precious silver pearl aluminium roof and frame with black body parts (SULO240LMRI1075)
Note: Where this 240 litre doesn't fit a 120 litre can be purchased.

120 Litre Bin
WBEMJ120 with powder coated precious silver pearl aluminium roof and frame with black body parts (SULO120LNZ@940)

Note: The Sulo information is the size of wheelie bins it needs to fit in it.

9.22 External Ashtrays

The preferred model is the Large Butt-Out bin (590mm in height 152mm in diameter) in stainless steel (Butt- Out Australia Pty Ltd).

9.23 Towel-rails to Kitchenettes

Towel rails to be installed in kitchens and kitchenettes for tea towels. Allow space for 1 to 3 towels depending on the number of users of the facility.