



NSW Health Facility Guidelines

Additional Standard Components □ □
Draft Document for Industry Review □ □
September 2006

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

Rooms List

ROOM NAME	Area M2	Room Data Sheet Code	Room Layout Sheet Dwg No
1 Bed Room -Inboard Ensuite (Alt Option)	15	1BR-ST-A2	1BR-ST-A2
1 Bed Room -Inboard Ensuite (Alt Option)	15	1BR-ST-A3	1BR-ST-A3
Ensuite - Inboard (Alt Option)	5	ENS-ST-A2	ENS-ST-A2
Ensuite - Standard - Additional Access	5	ENS-ST-C	ENS-ST-C
Treatment Bay - Renal Dialysis	9	TRMT- RD	TRMT- RD
Equipment Clean-up, 6m2- (previously known as Equipment Cleaning Area - Renal Dialysis)	6	ECL-6	ECL-6
Equipment Clean-up, 8m2	8	ECL-8	ECL-8
Equipment Clean-up, 10m2	10	ECL-10	ECL-10
Equipment Clean-up, 12m2	12	ECL-12	ECL-12
Equipment Clean-up, 14m2	14	ECL-14	ECL-14
Bay-Storage, 1m2 (previously known as Dialysis Fluid Bay)	1	BS -1	BS -1
Bay-Storage, 2m2	2	BS -2	BS -2
Bay-Storage, 3m2	3	BS -3	BS -3
Bay-Storage, 4m2	4	BS -4	BS -4
Bay-Storage, 1m2 (previously known as Cleaner's Dry Store/Cupboard - Renal Dialysis)	1	BSE	BSE
Bay-Utility, 1m2-(previously known Dialysate Preparation Area)	1	BUT -1	BUT -1
Bay-Utility, 1.5m2	1.5	BUT -1.5	BUT -1.5
Bay-Utility, 2m2	2	BUT -2	BUT -2
Ultrasound Room	14	ULTR	ULTR
1 Bed Room - Special CCU	20	1 BR-SP-B	1 BR-SP-B
After Hours Blood Fridge	30	AHBBF	AHBBF
Bay - Public Telephone	4	BPH	BPH
Bay - Vending Machines, 3m2	3	BVM-3	BVM-3
Consult Room - ENT/ Ophthalmology	12	CONS-ENT	CONS-ENT
Gymnasium, 60m2	60	GYAH-60	GYAH-60

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

Hydrotherapy Pool	90	HYDP	HYDP
Laundry - Mental Health	6	LAUN-MH	LAUN-MH
Lounge - Patient, 10m2	10	LNPT-10	LNPT-10
Lounge - Patient, 30m2	30	LNPT-30	LNPT-30
Mortuary - Waiting Room	9	MOR-W	MOR-W
Mortuary - Viewing Room	8	MOR-VR	MOR-VR
Office - Consult	12	OFF-CON	OFF-CON
Patient Bay - Holding, 6m2	6	PBTR-H-6	PBTR-H-6
Podiatry Treatment	12	PODTR	PODTR
Reception/ Clerical, 15m2	15	RECL-15	RECL-15
Scrub Up / Gowning, 6m2	6	SCRB-6	SCRB-6
Specimen Collection Bay, 9m2	9	SPECC	SPECC
Store - Bulk, 20m2	20	STBK-20	STBK-20
Store - Patient Property	8	STPP	STPP
Store - Sterile Stock, 20m2 (CSSU)	20	STSS-20	STSS-20
Store - Sterile Stock, 44m2	44	STSS-44	STSS-44
Waiting - 25m2	25	WAIT-25	WAIT-25
Water Treatment Plant Room	-	WTPL	WTPL

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

Part B – Health Facility Briefing and Planning

90 STANDARD COMPONENTS

COMPONENTS OF THE UNIT

1 Bed Room -Inboard En Suite (Alt Option)

90.0.3.0
500066

Type 1 already reviewed and on the web site.

Type 2 (suitable for orthopaedic patients) and
Type 3 (changed dimensions)

En Suite -Inboard (Alt Option)

90.27.00
500114

Shows changed dimensions and door swing.

Treatment Bay - Renal Dialysis

90.83.00

DESCRIPTION AND FUNCTION

The Treatment Bay - Renal Dialysis is used for day treatment of patients undergoing renal dialysis treatments. Treatments for each patient may take from 3 to 6 hours.

A staff handwashing basin shall be located in close proximity

LOCATION AND RELATIONSHIPS

Ready access to Treatment Room and Clean Utility Room and storage (including refrigerated storage).

CONSIDERATIONS

Natural light is highly desirable.

Sufficient space and configuration to enable screens to be conveniently pulled around the entire treatment bay whenever required.

The design of the treatment bay must accommodate the chair, haemodialysis machine, over bed table and other equipment required to deliver the necessary level of service.

Furniture and furnishings should provide a high level of patient comfort and amenity.

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

Tundish for RO water outlet.

Body protected electrical area

For additional room considerations and details refer to Room Data Sheets and Room Layout Sheets.

Equipment Clean-Up Bay

90.84.00

DESCRIPTION AND FUNCTION

The Equipment Clean-Up Room is used for cleaning and maintaining equipment used in the Unit. Storage may be required for holding cleaned equipment and spares. Equipment may also be recharged in this room.

Room Data and Room Layout Sheets show rooms – 6m², 8m², 10m², 12m, 14m². Size will depend on service profile.

LOCATION AND RELATIONSHIPS

Ready access to treatment or procedure room(s)

CONSIDERATIONS

For additional room considerations and details refer to Room Data Sheets and Room Layout Sheets.

Bay – Storage 1m², 2m², 3m² and 4m²

90.86.00

DESCRIPTION AND FUNCTION

An open storage bay for holding of supplies in frequent use. Stock will be stored in open, heavy duty, adjustable shelving units.

Size will vary depending on the Unit size and service profile and the use / provision of bays for holding of supplies.

LOCATION AND RELATIONSHIPS

An open storage bay located adjacent to patient treatment areas.

CONSIDERATIONS

The Bay should not impede corridor circulation.

For additional room considerations and details refer to Room Data Sheets and Room Layout Sheets

Bay – Storage (Enclosed) 1m²

90.87.00

DESCRIPTION AND FUNCTION

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

A secure enclosed bay for storage of supplies. The storage bay will include adjustable heavy duty shelving.

Size will vary depending on the Unit size and service profile and the use / provision of cupboards for holding of supplies.

LOCATION AND RELATIONSHIPS

Located in a recess off a corridor,

CONSIDERATIONS

For additional room considerations and details refer to Room Data Sheets and Room Layout Sheets.

Bay – Utility, 1m², 1.5m², 2m².

90.88.00

DESCRIPTION AND FUNCTION

The Utility Bay provides an area with a bench and sink for use as a preparation area.

Size will vary depending on the Unit size and service profile.

LOCATION AND RELATIONSHIPS

The bay may be located adjacent to patient treatment areas.

The bay should be located in close proximity to a staff handwashing basin.

CONSIDERATIONS

For additional room considerations and details refer to Room Data Sheets and Room Layout Sheets.

Ultrasound Room

90.89.00

DESCRIPTION AND FUNCTION

The Ultrasound Room provides facilities for diagnostic ultrasound procedures.

The Ultrasound Room, where provided, shall be a minimum of 14 m²

LOCATION AND RELATIONSHIPS

Locate with access to patient toilet facilities from within the room and from the corridor and with ready access to patient change facilities and waiting areas.

CONSIDERATIONS

Access for inpatients on hospital beds if required.

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

Dimmable lighting

Body-protected electrical area.

For additional room considerations and details refer to Room Data Sheets and Room Layout Sheets.

1 Bed Room – Special, Coronary Care

90.90.00

DESCRIPTION AND FUNCTION

One Bed Room for accommodation of one patient requiring cardiac care and treatment.

The 1 Bed Room – Special, Coronary Care shall be a minimum of 20m².

LOCATION AND RELATIONSHIPS

The Coronary Care Bed Rooms should be visible from a Staff Station.

Each Coronary Care Bed Room should have a dedicated En Suite directly accessible from within the bedroom.

CONSIDERATIONS

Each Bed Room - Special Coronary Care shall include a clinical handwashing basin within the room.

Glazed doors and partition walls are recommended for patient visibility and privacy.

Provisions are required for patient monitoring which may be hard wired or telemetry.

Bedside monitoring equipment should be located to permit easy access and viewing and should not interfere with the visualisation of or access to the patient.

For additional considerations and details refer to Room Data and Room Layout Sheets

After Hours Blood Fridge

90.91.00

DESCRIPTION AND FUNCTION

The After Hours Blood Fridge is a discreet area for refrigerated and freezer storage of blood and blood products for after hour's access by authorised personnel.

LOCATION AND RELATIONSHIPS

The After Hours Blood Fridge may be located in close proximity to a critical care area such as Operating Unit, ICU or Emergency.

NSW HEALTH FACILITY GUIDELINES

Additional Standard Components (2006)

CONSIDERATIONS

Equipment shall be secured and equipped with temperature monitoring and alarms located to ensure easy staff control and will require emergency power supply.

DRAFT

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

Bay - Public Telephone

90.93.00

DESCRIPTION AND FUNCTION

A Bay for 2 public telephones.

LOCATION AND RELATIONSHIPS

The Public Telephone Bay should be located with ready access to waiting areas.

CONSIDERATIONS

Disabled access should be provided to a minimum of one telephone bay.

For additional room considerations and details refer to Room Data Sheets and Room Layout Sheets.

Bay - Vending Machines, 3m²

90.94.00

DESCRIPTION AND FUNCTION

Recessed bay off a corridor or a public waiting area for vending machines.

LOCATION AND RELATIONSHIPS

The Vending Machines Bay should be located with ready access to waiting areas.

CONSIDERATIONS

The Vending Machines Bay should be accessible 24 hours / day

For additional room considerations and details refer to Room Data Sheets and Room Layout Sheets.

Consult Room - ENT/ Ophthalmology

90.95.00

DESCRIPTION AND FUNCTION

The Consult Room ENT/ Ophthalmology Room will provide for private consultation and examination of patients for eye and ear nose and throat examinations using specialised equipment. The room may also be used for general consultations.

LOCATION AND RELATIONSHIPS

To be grouped with other Consult Rooms where possible, and easily accessible from Entry and Waiting Areas and close to Clean and Dirty Utility Rooms.

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

CONSIDERATIONS

Acoustics: Sound attenuation level - high; Acoustic privacy essential.

Distance between patient / Snellen light box and mirror for reflected viewing must be 3m.

Body protected electrical area.

For additional room considerations and details refer to Room Data Sheets and Room Layout Sheets.

Gymnasium, 60m²

90.101.00

DESCRIPTION AND FUNCTION

A room for patient evaluation, rehabilitation exercise activities, ambulation training and group exercises and classes.

Natural light and an external outlook are highly desirable.

LOCATION AND RELATIONSHIPS

The Gymnasium shall be located close to other patient therapy areas with ready access to a disabled access toilet, cold water dispenser, the circulation corridor, Unit entry and waiting areas. And to Rehabilitation Ward where provided.

CONSIDERATIONS

Body protected electrical area.

For additional room considerations and details refer to Room Data Sheets and Room Layout Sheets.

Hydrotherapy Pool

90.103.00

DESCRIPTION AND FUNCTION

Hydrotherapy Pool for patient rehabilitation and exercise under supervision.

Pool size 90 sqm (15m x 6 m) excluding pool surrounds designed for 12 users.

Pool and surrounds to comply with AS 3979 - Hydrotherapy Pools.

LOCATION AND RELATIONSHIPS

Easily accessible from Unit entry for possible use after hours.

CONSIDERATIONS

AS 3979-1993 (Under revision DR 05261) Hydrotherapy Pools sets out requirements and recommendations for the design, construction and operation of pools for use in the treatment of conditions requiring hydrotherapy. Does not

NSW HEALTH FACILITY GUIDELINES

Additional Standard Components (2006)

apply to pools with a water capacity of 7500 L or less, nor to small tanks of the type which may incorporate fixed or rotating water jets.

Some specific requirements for patient and staff safety include:

- Adequate change facilities for patients and staff including disabled access showers and toilets. And open shower on the pool concourse
- Adequate emergency call points including ceiling-suspended call points for therapists in the water.
- Recovery area comprising resuscitation trolley and bed or plinth should a patient collapse in the pool.

Additional Design Considerations:

- Depth 0.9 metres to 1.5 metres - gradual slope; Deep end may be reduced if paediatric use is likely to be frequent
- Wet deck - single channel
- Temperature of water - 30 to 36 degrees
- Temperature of air to be no more than 10 degrees below water temperature
- Relative humidity in the pool area should be maintained as low as possible with the range 50% to 75%; preferred maximum 60%
- Water to be earthed
- Pool surface - tiled, non-slip; ensure a high level of slip resistance to tiles on the ramp; vertical surfaces of tiling do not need to be slip resistant
- Glazing to pool walls recommended; obscure glazing may afford additional privacy as required
- Ramp access with handrail & stair access with handrails
- Pool handrails required - not recessed type
- Pool blanket may be required (insulation for energy conservation)
- Disinfection system to be advised by Engineer
- Pool hydraulic hoist
- Underwater pressure jets for therapeutic purposes are optional.

For additional details refer to Room Data Sheets and Room Layout Sheets.

Laundry - Mental Health

90.104. 00 DESCRIPTION AND FUNCTION

A space to encourage activities of daily living by providing the facility for washing, drying and ironing of clothing by patients. The scale should be domestic with a laundry tub, washing machine and drier and lockable cupboard for iron and ironing board.

There should also be access to an external space with a collapsible and/or low hung clothesline.

LOCATION AND RELATIONSHIPS

Part of the General Mental Health Inpatient Zone

NSW HEALTH FACILITY GUIDELINES

Additional Standard Components (2006)

CONSIDERATIONS

Equipment such as a washing machine and drier should be 'heavy duty' in view of the number of persons using this facility.

Adequate ventilation and extraction must be provided to cope with the constant generation of heat and moisture. Additional exhaust may be required if commercial equipment is selected.

Consider a recessed fold-down ironing board and iron unit to minimise loose equipment.

May require space for individual patient laundry baskets.

The door should be lockable to enable staff to control access.

Lounge – Patient, 10m², 20m² or 30m²

90.105.00

DESCRIPTION AND FUNCTION

This room provides a change from the clinical environment for patients and visitors. It is an area where family groups can visit and patients can socialise.

The nominal floor area shall be 10m², 20 m² or 30m²

An alternative method of determining the size of the Lounge for adult patients is by multiplying the number of beds by 0.8 m². This takes into account that some adult patients:

- Have shorter hospital stays;
- Are non-ambulant;
- Have a preference for privacy.

Adolescent and paediatric inpatients have specific requirements for a lounge i.e. play and schooling areas. If the Inpatient Unit caters for paediatric patients, the Lounge shall contain games and activities suitable for children with storage space for play equipment. In small hospitals, the Paediatric Lounge can be part of the Paediatric Patient Bedroom.

LOCATION AND RELATIONSHIPS

The Patient Lounge should be on an external wall to take advantage of natural light and outlook. Low sill heights promote access to a view from a seated position.

It should be away from the bed areas but staff should be able to observe and monitor its use.

Direct access to an external space is also highly desirable. This ensures that patients' preferences for both indoor and outdoor activities are catered for.

Where possible, direct access to a secure landscaped area offering partial cover against sun, wind and rain should be provided.

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

CONSIDERATIONS

For additional room considerations and details refer to Room Data Sheets and Room Layout Sheets

Door width should allow for patient hoist and bed access in case of emergency.

Nurse call buttons prominently displayed on walls.

Power outlets and cord safety is an important consideration for electronic games, laptop use.

Body protected area.

Mortuary - Waiting Room

90.106.00 DESCRIPTION AND FUNCTION

The Mortuary Waiting provides an area for relatives and other personnel to await the viewing of a body.

LOCATION AND RELATIONSHIPS

The Viewing Room will be located adjacent to the Mortuary Waiting Area.

CONSIDERATIONS

The area should be comfortable and non-clinical in appearance.

For additional room considerations and details refer to Room Data Sheets.

Mortuary - Viewing Room

90.107.00 DESCRIPTION AND FUNCTION

The Viewing Room is provided for bodies to be viewed by relatives / friends. Bodies may be viewed through a window and optional access may be provided for relatives to directly view bodies.

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

LOCATION AND RELATIONSHIPS

The Viewing Room will be located adjacent to the Mortuary Waiting Area.

CONSIDERATIONS

The room should contain a viewing window with privacy screening.

For additional room considerations and details refer to Room Data Sheets.

Office - Consult

90.108.00

DESCRIPTION AND FUNCTION

A room where clinical consultation and administrative functions are combined. The room may be used by medical, nursing and allied health staff.

The Office/Consult Room shall be 12 m².

LOCATION AND RELATIONSHIPS

The Office / Consult should be located near patient treatment areas with close access to patient waiting areas.

CONSIDERATIONS

Depending on location, a second egress door may be required for staff safety in which case an additional 2sqm should be added to the room size. Furniture should be arranged in a way that does not entrap staff ie patient does not sit between staff member and the door.

For additional room considerations and details refer to Room Data Sheets.

Duress alarm may be needed for staff safety.

Patient Bay - Holding, 6m²

90.43.00
(500829)

DESCRIPTION AND FUNCTION

A Patient Bay – Holding is used for the temporary care and observation of patients before and after treatment. It may also be used for assessment and minor treatments of patients with non-acute conditions.

LOCATION AND RELATIONSHIPS

Generally collocated with other Patient Bays and near the Staff Station.

Patient Bays may be enclosed or unenclosed. This will affect the floor space required.

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

CONSIDERATIONS

Body protected electrical area.

For additional room considerations and details refer to Room Data and Room Layout Sheets.

Podiatry Treatment

90.111. 00 DESCRIPTION AND FUNCTION

The Podiatry Treatment room provides for podiatry consultation, examination and treatment for patients. The room may be used for measuring and fitting prosthetic appliances but not for fabrication.

Natural daylight is desirable.

LOCATION AND RELATIONSHIPS

Podiatry Treatment room should have ready access to waiting area and the Unit corridor.

CONSIDERATIONS

Acoustics: sound attenuation level high; Acoustic privacy is required

Bench heights to be accessible by the podiatrist when seated.

Body protected electrical area

For additional room considerations and details refer to Room Data Sheets and Room Layout sheets.

Reception/ Clerical, 15m²

90.112. 00 DESCRIPTION AND FUNCTION

An area for 2 staff where visitors to the Unit can be received and either directed to their destination or to a Waiting Area. May also act as the access control point to the Unit.

Depending on the Unit, initial contact may be made here with clients and carers for enquiries, appointments and intake, both personally and by telephone.

The reception counter should be welcoming and non-threatening, but provide separation between patients/clients/visitors and staff.

Depending on its location, it may need to be capable of being secured after hours.

The need for security screens should be carefully considered in relation to the risk, the type of services to be provided from the unit/facility and the local community environment, and the need for privacy.

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

LOCATION AND RELATIONSHIPS

The Reception should be near the entry point of the Unit or Facility and adjacent to the Waiting Area, with direct visual surveillance available of both these areas.

Clients and visitors should not be able to gain access to Treatment Areas or Staff Areas without presenting to Reception.

CONSIDERATIONS

Refer to Part C for information regarding counter heights including access requirements.

For additional room considerations and details refer to Room Data and Room Layout Sheets.

Scrub Up / Gowning, 6m²

90.113. 00

DESCRIPTION AND FUNCTION

The Scrub-up/ Gowning provides for pre-operative scrubbing, gowning and gloving.

LOCATION AND RELATIONSHIPS

The Scrub Up/ Gowning is located adjacent to a Procedures, Operating or Imaging Room.

CONSIDERATIONS

A minimum of 800mm is required between scrub stations.

Taps to be non-touch – either sensor or foot-operated.

For additional room considerations and details refer to Room Data and Room Layout Sheets.

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

Specimen Collection Bay, 9m²

90.114. 00 DESCRIPTION AND FUNCTION

A Patient Bay used for collection of specimens from patients. The Bay will have close access to a staff handwashing basin.

DS21 LOCATION AND RELATIONSHIPS

The Specimen Collection Bay should be located in an area convenient to waiting and specimen receiving facilities.

The Specimen Collection Bay must have direct access to the specimen toilet.

CONSIDERATIONS

Privacy must be maintained.

For additional room considerations and details refer to Room Data Sheets and Room Layout Sheets.

Store - Bulk, 20m²

90.115. 00 DESCRIPTION AND FUNCTION

The Bulk Store is the primary storage area for all delivered supplies and stores prior to distribution to hospital units when requisitioned or on an imprest supply system.

LOCATION AND RELATIONSHIPS

The Bulk Store should be located with ready access to the loading dock area.

CONSIDERATIONS

The area requires security and controlled access.

For additional room considerations and details refer to Room Data and Room Layout Sheets.

Store - Patient Property

90.116. 00 DESCRIPTION AND FUNCTION

A secure room for the storage of patient property including luggage.

LOCATION AND RELATIONSHIPS

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

Centrally located within an Inpatient Unit in a low traffic area.

CONSIDERATIONS

The Store – Patient Property should be lockable

For additional room considerations and details refer to Room Data and Room Layout Sheets.

Store - Sterile Stock, 20m² (SSU)

90.117. 00 DESCRIPTION AND FUNCTION

An area for storage and holding of sterile stock within the Sterile Supply Unit prior to despatch to the operating unit or other clinical areas. The area may include a workstation bench.

Storage units may be mobile shelving, fixed shelving or compactus-style. Shelving must be smooth so as to maintain the integrity of sterile packaging.

LOCATION AND RELATIONSHIPS

Direct access to :

- Despatch area to Operating Suite and Wards
- Sterilising Cooling Area.

Ready access to:

- Operating Suite sterile stock.

CONSIDERATIONS

This area requires positive air pressure and be protected from steam penetration. Provision for trolley access to this area shall be considered.

For additional room considerations and details refer to Room Data and Room Layout Sheets

Waiting - 25m²

90.119. 00 DESCRIPTION AND FUNCTION

An area may be for patients, families and other visitors to wait in comfort prior to or during visits to a Unit.

A range of occupants will need to be accommodated including adults and children, both able-bodied and disabled. Consultation with service providers may be required as to whether separate area(s) may be required to accommodate the needs of different groups of patients including those who may be behaviourally disturbed, mothers with babies and older people.

The size of a Waiting Area will depend on the number of people to be

NSW HEALTH FACILITY GUIDELINES

Additional Standard Components (2006)

accommodated but will generally require 1.2 m² per able-bodied person or 1.5m² per wheelchair occupant or other disabled person. Space for baby prams, wheelchairs, mobility aids, children's play areas etc should be considered.

If provided, the area of a separate Paediatric Waiting Area will be additional to this area requirement.

Information displays may be located in the Waiting Area.

LOCATION AND RELATIONSHIPS

Near the entry to the Facility or Unit and observable from the Reception Area.

Where a child play area is provided this should be adjacent to, and observable from the waiting area.

Where possible, consider locating the Waiting Area near a courtyard to meet the cultural needs of some community groups.

Access to disabled accessible public toilets, baby change facilities eg parenting room, outdoor areas, food and beverage facilities and a public telephone should be available.

CONSIDERATIONS

The configuration of seating modules should be carefully considered.

For additional room considerations and details refer to Room Data Sheets and Room Layout Sheets

Also refer to Room Layout and Room Data Sheets for various size options.

Water Treatment Plant Room - Renal Dialysis

90.125.00

DESCRIPTION AND FUNCTION

The Water Treatment Plant Room is a lockable room for water treatment systems used in dialysis, including booster pumps, particle filters, water softeners, carbon filters and reverse osmosis systems. In particular this equipment will incorporate a heat disinfection function and water saving features.

Refer to Manufacturer's Specifications for details of Reverse Osmosis (RO) Water Treatment Plant equipment.

LOCATION AND RELATIONSHIPS

The Water Treatment Plant Room should be located in close proximity to the Renal Dialysis Unit to permit short tubing runs to each Treatment Bay and permit staff to easily monitor and service the water treatment systems.

CONSIDERATIONS

NSW HEALTH FACILITY GUIDELINES
Additional Standard Components (2006)

Special Design Requirements:

- Ventilation, exhaust and/or air conditioning must be designed to accommodate the heat loads of the specified equipment.
- High level sound isolation is required to ensure noise generated from this room does not invade Treatment spaces
- Structural Engineer's assessment must be sought for floor load bearing capacity with respect to water treatment and pre-treatment plant equipment
- Service access will be required around the perimeter of all plant equipment
- Pipework and components installed after the water inlet within this room shall not contain brass or copper

For additional room considerations and details refer to Room Data Sheets and Room Layout Sheets

DRAFT