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# Ensuite - Accessible

| | |
|---|---|
| **Room Code** | ENS-ACC |
| **Briefed Area** | 7.00 m² |
| **Ceiling Height** | 2.7 m |
| **Occupancy** | 1 patient; 1-2 staff assisting as required |
| **Hours of Operation** | 24 hours |

**Description**

The Ensuite - Accessible provides a shower, toilet and basin for use by a patient with a disability, either independently or with assistance. The room layout, circulation, fixtures and fittings are to comply with applicable accessibility requirements, including AS 1428.1 / NZS 4121. The ensuite may be used with an inboard, outboard or nested bedroom configuration and is to be planned in conjunction with the associated bedroom.

**Electrical**

- [x] PROTECTION: body protected
- [ ] PROTECTION: cardiac protected

**Lighting**

- [x] LIGHTING: general
- [ ] LIGHTING: colour corrected
- [ ] LIGHTING: dimmable
- [ ] LIGHTING: indirect

**Nurse Call and Duress**

- [x] NURSE CALL SYSTEM: buttons / handset
- [ ] NURSE CALL SYSTEM: annunciator
- [ ] DURESS: fixed
- [x] DURESS: wireless coverage

**Security**

- [ ] ACCESS CONTROL: to door
- [ ] ACCESS CONTROL: to item / joinery
- [ ] INTERCOM: service communications
- [ ] INTERCOM: security and access control
- [ ] CCTV: camera coverage within room
- [ ] INTRUSION DETECTION: door monitoring
- [ ] INTRUSION DETECTION: spatial monitoring

**ICT and Audio Visual**

- [ ] AUDIO VISUAL: patient entertainment system
- [ ] AUDIO VISUAL: visitor experience system
- [ ] AUDIO VISUAL: virtual collaboration system
- [ ] AUDIO VISUAL: clinical support system
- [ ] AUDIO VISUAL: digital operating room system

**Accessibility**

- [ ] AUDIO: hearing augmentation
- [x] VISUAL: luminance contrast
- [x] SIGNAGE: accessible, statutory

**HVAC**

- [ ] AIRCONDITIONING: general
- [ ] AIRCONDITIONING: HEPA filtered
- [ ] AIRCONDITIONING: positive pressure
- [ ] AIRCONDITIONING: negative pressure
- [x] VENTILATION: exhaust
- [ ] VENTILATION: supply
- [ ] VENTILATION: natural

**Medical Gas**

- [ ] MEDICAL GAS: general anaesthesia
- [ ] MEDICAL GAS: special care
- [ ] MEDICAL GAS: special care, neonatal ventilation
- [ ] MEDICAL GAS: birthing

**Hydraulic**

- [x] WATER: drinking
- [ ] WATER: specialty
- [x] DRAINAGE: sanitary
- [ ] DRAINAGE: specialty

**Fire**

- [x] DETECTION: smoke
- [ ] DETECTION: heat

**Shielding**

- [ ] SHIELDING: ionising radiation
- [ ] SHIELDING: magnetic and radio frequency

**Acoustics**

SPEECH PRIVACY:
not private ▼ moderate ····· private ····· confidential

NOISE SENSITIVITY:
not sensitive ▼ ····· low ····· medium ····· high

NOISE GENERATION:
low ····· moderate ····· high ▼ ····· very high

**Additional Considerations**

Room Layout

- The room layout, circulation spaces, door clearances, fixture set-out, reach ranges and location of fittings and controls are to comply with applicable accessibility requirements, including AS 1428.1 / NZS 4121. Required accessible circulation and transfer clearances are to be maintained when selecting and locating fixtures, fittings and equipment.
- The entry door is to be fitted with an occupancy indicator, privacy lock and emergency-release hardware. An outward-swinging door is recommended to reduce the risk of a patient obstructing the door following a fall or loss of consciousness. Where an inward-swinging door is provided, emergency-release hardware and a suitable pivot or hinge system are to allow the door to be opened outward in an emergency.


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● The location of plumbing fixtures is to be considered in relation to fire and smoke rated building elements as part of overall department planning to minimise penetrations for hydraulic services.

Furniture, Fixtures and Equipment (FF&E) Selection

● Grab rails are to be configured in alignment with AS 1428.1 / NZS 4121 and must be securely fixed to the wall with the structural support required to meet weight ratings/SWL that are to be confirmed at project level (generally accommodating patients up to 150 kg for standard patient rooms).

● A wall-mounted fold-down shower seat is indicated within this Standard Component. Alternative accessible shower seating, including a shower chair or commode, may be considered at project level where supported by the anticipated patient cohort, model of care and applicable accessibility requirements.

● Where only one mirror is provided, it must be centred over the basin. A second mirror may be provided extending from 600 mm AFFL to at least 1850 mm AFFL in line with AS 1428.1 / NZS 4121 requirements.

● The use of commodes, mobile patient transfer equipment and sit-to-stand equipment is to be considered when finalising fitting selection. It is recommended that the set-out of the toilet suite and grab rails (that are aligned with AS1428.1 / NZS 4121 requirements) is tested with assistive equipment that is being considered or has been selected to ensure appropriate clearances, including coordination with the height of the toilet seat and the toilet lid. Clearance from the equipment to the grab rails should ensure there is no risk of pinching or finger entrapment.

● Operational models and IPC policies for use of a patient's own mobility/transfer equipment, and any associated considerations for the design of the ensuite, are to be confirmed at project level.

● The type and size of toilet paper dispensers can vary significantly. Where large toilet paper dispensers (e.g. jumbo roll, multi-roll, interleaved tissue, etc.) are selected to suit operational models for restocking, the location of the dispenser must be confirmed, with particular focus on the location of the operable element of the dispenser in relation to the patient seated on the toilet. Locating larger toilet paper dispensers above the grab rail may be considered (with formal assessment and exemption sought for an alternative solution from standard disability access requirements). When located above the grab rail, the placement and depth of the dispenser must not interfere with the use of the grab rail (e.g. by forcing a patient to reach around the dispenser to use the vertical section of the grab rail to pull themselves to a standing position) or with the clearances required for the use of assistive equipment (e.g. preventing a commode from fitting over the toilet).

● Toilet lids and seats are to be robust and suitable for long-term, high-frequency use. The toilet lid/seat must be coloured to achieve a minimum 30% luminance contrast between the lid/seat, and the toilet pan, the floor, and the adjacent walls to support patients with visual impairments and comply with AS1428 / NZS 4121 requirements.

Infection Prevention and Control (IPC)

● The handwashing basin is to include a removable shroud enclosing the plumbing services. The shroud is to be a separate element from the basin to allow maintenance access to plumbing components without removal of the basin. Refer to 'AusHFG Part D: Infection Prevention and Control' for further guidance.

● Provision of a shower curtain and track is optional. Requirements for a curtain and track or provision of a track only to support future provision are to be confirmed based on the model of care and local WHS and IPC policies. Where curtains are provided, cleaning, laundering, replacement and maintenance requirements are to be considered.

Work Health and Safety (WHS)

● Mobile duress coverage is to be assessed and planned at department level. Coverage of patient areas is to meet local security and WHS policies and operational service requirements.

● Requirements for patient lifting systems are to be confirmed at project level based on the anticipated patient cohort, transfer workflows and local WHS policies. Where a lifting system is provided within the associated bedroom, the project must confirm the required track configuration (fixed track, traverse track, etc.), motor type (portable or fixed), installation type (ceiling mounted or recessed), weight rating/safe working load (SWL) and extent of coverage, including whether that track extends to transfer the patient to the ensuite or is for bed to chair/wheelchair/commode transfer only. Where the path of the lifter track includes full transfer to/within the ensuite, the door height must be increased, and the frame must be designed to accommodate linking between tracks. Selected track and lifter equipment must meet local infection prevention and control (IPC) policies and cleaning requirements.

Medical Gases

● Reticulated medical gas outlets, including oxygen and suction, may be provided depending on the anticipated patient cohort and clinical service requirements. Where provided, outlet locations are to support use with standard tubing lengths while the patient is at the toilet or shower, while maintaining required accessibility, safety and equipment clearances. Medical gas outlets and associated equipment are to be located and detailed to minimise contamination risk associated with proximity to sanitary fixtures.

Engineering Services

● A power outlet to support personal grooming activities, such as shaving or hair drying, is shown as optional. Provision and location are to be confirmed based on the intended patient cohort and policies around provision and maintenance of electrical outlets in wet


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areas. Where an outlet is provided, location is to be coordinated with the basin, shower and other water sources to ensure it meets the required electrical safety zones and clearances while maintaining applicable accessible reach requirements.
● The hand-held shower connection point and hose length are to be coordinated to ensure that the shower head is not in reach of the toilet bowl. Where this cannot be achieved, appropriate backflow prevention measures are to be provided in accordance with applicable plumbing requirements and confirmed as part of the hydraulic design.

Finishes
● The floor finish at the ensuite entry is to be flush with the adjacent bedroom floor. The floor finish in the shower area must also be flush and continuous with the adjacent floor in the ensuite and must not have a raised hob to support movement and use of mobility equipment.
● A tiled floor finish may be provided in lieu of vinyl. Where floor tiles are selected, wall tiles are also recommended to achieve an appropriate junction between floor and wall finishes. Wall and floor finishes, skirtings/junctions, waterproofing and cleaning requirements are to be coordinated to provide a durable and maintainable wet-area finish.
● The slope of the floor to the drain must meet relevant Australian/New Zealand building code compliance requirements. When meeting these requirements, the slope of the floor is to also be considered to ensure it has minimal impact on patients using walking aids, patients with impaired mobility/balance, and staff assisting patients on commodes or wheelchairs.

## Doors and Windows

| CODE | DESCRIPTION | COMMENT |
|---|---|---|
| DOHI-004.01 | DOOR: hinged, 1 leaf, 950 clear opening, solid | lock with occupancy indicator and emergency release hardware required; outward swing recommended, emergency release is required hardware to allow for outward opening if an inward swing is provided; 1 1/2 leaf door may be provided depending on clinical service requirements including transfer of patients from adjacent bedroom via patient lifting track |
| *AFDPR-006.01* | *DOOR PROTECTION: plate, to 900H* | *to both sides* |
| *AFDPR-056.01* | *DOOR FRAME PROTECTION: full wrap, to 900H* | *[DWPR-010] optional, provision and extent dependent on frame material/finish and movement of beds and mobile equipment in adjacent area* |

## Finishes

| CODE | DESCRIPTION | COMMENT |
|---|---|---|
| FLVY-114 | FLOOR FINISH: vinyl, seamless, non-slip, wet area, barefoot | tiles are also acceptable |
| FLSK-021 | SKIRTING: vinyl, integral with floor vinyl, coved | [FLSK-010] tiles acceptable if tiled floor is provided |
| WLFI-011.07 | WALL FINISH: vinyl, full height | tiles are also acceptable |
| CLFS-013 | CEILING: flush set, suspended, moisture resistant | [CLFS-009] moisture resistant drop-in ceiling tiles are also acceptable |
| CLFI-002 | CEILING FINISH: paint, clinical areas | |
| CLCN-031 | CORNICE: square set | [CLCN-008] wall trim fixing acceptable if drop-in ceiling tiles are provided |

## Fittings, Furniture and Equipment (FF&E)

| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|---|---|---|---|---|
| FIBM-102 | MIRROR: fixed, safety glass, frameless | 1 | 1 | |
| FIDI-231 | DISPENSER: paper towel, wall mounted | 2 | 1 | |
| FIDI-256 | DISPENSER: soap, wall mounted | 2 | 2 | 1 to basin, 1 to shower |
| FIDI-281 | HOLDER: soap/shampoo, wall mounted | 1 | 1 | |


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| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|---|---|---|---|---|
| FIDI-301 | DISPENSER: toilet paper, wall mounted | 1 | 1 | type, size and placement to be confirmed at project level and coordinated with selected toilet, grabrails, assistive equipment and nurse call buttons in line with AS 1428.1 / NZS 4121 |
| FIGE-037 | BENCH SEAT: fold up/down, with folding legs, wet area, wall mounted | 1 | 1 | in-wall structural support required; a shower chair/commode may be used in lieu of a built-in bench |
| FIHR-026 | HOOK: coat, wall mounted | 1 | 2 | |
| FIRT-061 | TRACK: curtain, shower | 1 | 1 | [FIRT-033] optional, provision to be confirmed to suit local IPC policies and operational models for cleaning/replacement of curtains |
| FIRT-101 | GRAB RAIL: straight, horizontal | 1 | 1 | for use as a towel rail while ensuring adequate strength and fixings if used for support |
| FIRT-127 | GRAB RAIL: toilet, 90 degree, wrap around corner, with backrest | 1 | 1 | |
| FIRT-151 | GRAB RAIL: shower, straight, horizontal | 1 | 1 | may be combined with vertical shower rail |
| FQGE-102 | CURTAIN: shower | 3 | 1 | [FQGE-011] optional, provision to be confirmed to suit local IPC policies and operational models for cleaning/replacement of curtains |
| FQWS-051 | BIN: general waste, 20L | 3 | 1 | |
| FQWS-331 | BIN: sanitary waste | 3 | 1 | |
| HYBA-148 | BASIN: type C, handwashing, accessible, with integral double shelf | 1 | 1 | with detachable shroud to pipework; location of thermostatic mixing valve to be determined based on ability to share with nearby basins |
| HYSH-057 | SHOWER: hand-held, connection on wall, bracket on vertical wall mounted rail, accessible | 1 | 1 | vertical rail may be combined with horizontal grab rail |
| HYTP-052 | TAPWARE: basin, mixer, fixture mounted, accessible | 1 | 1 | [HYTP-035] selection of basin and tapware to be coordinated to ensure compatibility |
| HYTP-252 | TAPWARE: shower, mixer, accessible | 1 | 1 | |
| HYWC-033 | TOILET SUITE: patient, accessible | 1 | 1 | |
| MGFP-041 | FLOWMETER: oxygen | 3 | 1 | optional; for oxygen outlet if provided; provision dependent on patient cohort requirements |
| MMBE-211 | TRACK: patient lifter, fixed, ceiling mounted | 1 | 1 | optional; provision and selection of lifter and track type to be confirmed at project level to suit patient cohort requirements and local WHS policies |
| MMBE-231 | TRACK: patient lifter, linking mechanism, ceiling mounted | 1 | 1 | optional; for continuation of track from adjacent bedroom if provided |

## Engineering Services

| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|---|---|---|---|---|
| ELGP-201 | GPO: double, wall mounted | 1 | 1 | [ELGP-208] optional, to support grooming (i.e. shaving, hair drying, etc.); inclusion to be informed by local policies on the provision and maintenance of electrical outlets in wet areas |
| ELSW-001 | SWITCH: light | 1 | 1 | located outside door |
| HYDR-021 | DRAIN: floor waste, round | 1 | 1 | floor slope/fall to comply with relevant building code requirements |
| HYDR-201 | DIRECT CONNECTION: wastewater, general | 1 | 1 | to basin |
| HYTP-431 | OUTLET: water, cold | 1 | 2 | 1 to basin, 1 to shower |


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| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|---|---|---|---|---|
| HYTP-433 | OUTLET: water, warm | 1 | 2 | 1 to basin, 1 to shower |
| ITCL-122 | BUTTON: nurse call, patient to staff call, with cancel, wall mounted, wet area | 1 | 1 | to toilet; placement to be coordinated with grabrails and toilet paper dispenser to ensure reach from seated position on toilet and from the floor in case of a fall |
| ITCL-122 | BUTTON: nurse call, patient to staff call, with cancel, wall mounted, wet area | 1 | 1 | to shower |
| ITCL-182 | BUTTON: nurse call, staff assist, with cancel, wall mounted, wet area | 1 | 1 | |
| ITCL-192 | BUTTON: nurse call, emergency, with cancel, wall mounted, wet area | 1 | 1 | |
| MGAS-043 | OUTLET: oxygen (O2), wall mounted | 1 | 1 | optional, may be considered in ensuites on selected specialised units to suit patient cohort requirements in line with local jurisdictional policies |

For guidance on how to use the Room Data Sheet, please visit the AusHFG website.


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