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# Treatment Room - Dental, Type 2

| | |
|---|---|
| **Room Code** | TRMT-DEN2 |
| **Briefed Area** | 14.50 m² |
| **Ceiling Height** | 2.7 m |
| **Occupancy** | 1 patient; 1-2 support persons; 1-2 staff |
| **Hours of Operation** | Available 24 hours |

**Description**

The Treatment Room - Dental, Type 2 provides the space and facilities for dental consultation, examination and treatment of patients, with accommodation for support persons where required.

**Electrical**

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

**Lighting**

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

**Nurse Call and Duress**

- [x] NURSE CALL SYSTEM: buttons / handset
- [ ] NURSE CALL SYSTEM: annunciator
- [ ] DURESS: fixed
- [ ] 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
- [ ] VISUAL: luminance contrast
- [ ] SIGNAGE: accessible, statutory

**HVAC**

- [x] AIRCONDITIONING: general
- [ ] AIRCONDITIONING: HEPA filtered
- [ ] AIRCONDITIONING: positive pressure
- [ ] AIRCONDITIONING: negative pressure
- [ ] 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**

- [ ] WATER: drinking
- [ ] WATER: specialty
- [ ] 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**

Planning Context

- The room configuration supports conversion between right-handed and left-handed set-ups and should not be mirrored. The final layout is to be determined based on the operational workflows and selected dental equipment.
- Layouts may vary depending on the operational workflow and selected dental equipment, including selection of chair mounted instruments, wall/joinery mounted instruments, or instrument carts.
- Door configuration and clear opening width are to be confirmed to suit service requirements and anticipated patient cohorts. Consideration may be given to increasing the clear opening width of the door; however, the selected width should balance operational requirements, accessibility, door leaf weight and manoeuvrability.
- Considerations for treatment for patients in wheelchairs is to be provided to be confirmed at project level, including provision of a larger treatment room (refer to HPU 280 Oral Health Schedule of Accommodation for more information). Where a service determines


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that treatment will occur in the patient's wheelchair or following transfer to the dental chair, patient transfer, clear access area and equipment reach requirements must be confirmed.

Furniture, Fixtures and Equipment (FF&E) Selection

● Coordinate services for the dental chair with the selected chair model and supplier requirements. Services may include dental air, dental suction, filtered water, power and drainage.

Information and Communication Technology (ICT)

● Confirm any in-room requirements for instrument tracking, including location, process and configuration, in line with AS/NZ 5369, local policies and service requirements.

PPE and Staff Storage

● Confirm requirements for additional PPE storage based on the procedures undertaken, local policies and operational requirements.

● Confirm requirements for storage of staff belongings within the room based on the department's staff amenity and storage arrangements. Consider in-room secure storage where shared staff amenities or staff property storage are located a significant distance from the room.

Work Health and Safety (WHS)

● Coordinate staff duress requirements with the operational model, lone-worker arrangements, room configuration, secondary egress strategy and project security requirements.

● A second door is indicated in this Standard Component to support staff safety and egress, with some jurisdictions mandating its provision under relevant workplace health and safety legislation (e.g. through adoption of the Model Code of Practice: Healthcare and Social Assistance Industry from SafeWork Australia July 2025). The location of the second door should be planned to reduce the risk of entrapment within the room and may influence the position of the room within the overall department plan to ensure a safe and appropriate egress path is provided.

Patient Experience

● Provision of art work or a display screen on the ceiling over the dental chair for distraction to reduce patient anxiety may be considered at project level.

● Access to natural light and provision of an external outlook is desirable, but provision of a window will be dependent on the overall department plan. Where a window is provided, the type, materiality, and cleaning requirements of window coverings to external windows is to be confirmed at project level to suit local infection prevention and control (IPC) policies and risk assessments. Refer to Part D Section 6.4 for more information.

● The extent of door glazing and any associated treatments, such as privacy film, should be determined at project level to balance patient privacy requirements with the need to support room occupancy monitoring and staff safety. Room occupancy signage, occupancy indicators, or light indicators may also be considered.

Waste Management

● Size, type and quantity of waste bins provided within the room, including sharps bins, will be dependent on service requirements, operational models for waste management, including separation of waste streams and frequency of waste removal, and local IPC policies.

Medical Gases

● Provision of reticulated nitrous oxide and associated scavenge are optional and provision must be confirmed to suit local jurisdictional policies and operational service requirements. The use of nitrous oxide is declining due to a range of clinical and environmental concerns. Reticulated systems have been found to increase leakage of nitrous oxide (a potent greenhouse gas) to the atmosphere, can increase facility operating costs and potentially expose staff to nitrous oxide. Reticulated nitrous oxide and associated scavenge outlets are not mandatory for any healthcare service and point of care cylinders can meet clinical requirements for the majority of healthcare facilities. Due consideration must be given to a range of operational considerations including monitoring and measurement of usage, management of leakage, WHS requirements relating to the use of cylinders, approach to the provision of scavenge where cylinders are used, appropriate storage for cylinders, and security of gas sources given nitrous oxide is used as a recreational drug.

Nurse Call

● An operational model for responding to nurse call system alerts will inform the inclusion of the nurse call system items that are shown as optional in this Standard Component. Provision is to be confirmed at project level to suit service requirements and operational models.


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● An optional nurse call indicator light, which illuminates if any of the nurse call buttons within the room are pressed, is shown in the corridor outside the main entry door of the room. Where provided, the location of the indicator light is to be confirmed to ensure clear line of sight along paths of travel.

Engineering Services

● Requirements for residual current device (RCD) protection for permanently wired medical electrical equipment with Type-B applied parts are to be confirmed based on the selected dental chair and X-ray equipment. Final arrangement to be coordinated to suit project requirements and in accordance with AS/NZS 3003.

● RCD protection can be achieved with integrated RCD within socket outlets or as standalone RCD units which require a round-pin non-essential GPO to enable testing.

Radiation Protection

● Radiation shielding requirements are to be advised by a Radiation Consultant to suit the selected imaging equipment, room configuration and applicable jurisdictional requirements.

## Doors and Windows

| CODE | DESCRIPTION | COMMENT |
|---|---|---|
| DOHI-013.05 | DOOR: hinged, 1 leaf, 900 clear opening, solid, shielded, standard vision panel, lead glass | primary entry door; clear opening width to suit operational requirements and anticipated user groups |
| *AFDPR-006.01* | *DOOR PROTECTION: plate, to 900H* | *to corridor side, extent dependent on movement of beds and mobile equipment in adjacent area* |
| *AFDPR-006.01* | *DOOR PROTECTION: plate, to 900H* | *to room side* |
| *AFDPR-056.01* | *DOOR FRAME PROTECTION: full wrap, to 900H* | *optional, provision and extent dependent on frame material/finish and movement of beds and mobile equipment in adjacent area* |
| DOHI-013.05 | DOOR: hinged, 1 leaf, 900 clear opening, solid, shielded, standard vision panel, lead glass | optional, secondary egress if provided |
| *AFDPR-006.01* | *DOOR PROTECTION: plate, to 900H* | *optional, secondary egress if provided, to room side* |
| *AFDPR-006.01* | *DOOR PROTECTION: plate, to 900H* | *optional, secondary egress if provided, to corridor side, extent dependent on movement of beds and mobile equipment in adjacent area* |
| *AFDPR-056.01* | *DOOR FRAME PROTECTION: full wrap, to 900H* | *optional, provision and extent dependent on frame material/finish and movement of beds and mobile equipment in adjacent area* |
| WIOP-261.02 | WINDOW: operable, jockey sash, external, double glazed, sill at 1500H, with integral blind | desirable, to external outlook |
| *AHWCV-006* | *WINDOW COVERING: blind, venetian* | |

## Finishes

| CODE | DESCRIPTION | COMMENT |
|---|---|---|
| FLVY-112 | FLOOR FINISH: vinyl, seamless, non-slip, safety | |
| FLSK-021 | SKIRTING: vinyl, integral with floor vinyl, coved | [FLSK-010] |
| WLFI-002 | WALL FINISH: paint, clinical areas | |
| WLFI-101 | SPLASHBACK: vinyl | |
| WLFI-101 | SPLASHBACK: vinyl | optional, to sink if provided |
| CLFS-011 | CEILING: flush set, suspended | finish to be suitable for clinical environments, refer to local engineering services guidance for acoustic performance requirements (i.e. reverberation time control, sound absorption class, etc.) |


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| CODE | DESCRIPTION | COMMENT |
|---|---|---|
| CLFI-002 | CEILING FINISH: paint, clinical areas | |
| CLCN-031 | CORNICE: square set | [CLCN-008] |

## Joinery

| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|---|---|---|---|---|
| JOBE-031 | BENCH: 600D, laminate | 1 | 1 | |
| JOBE-251 | CAP: cable access | 1 | 2 | |
| JOCU-121 | CUPBOARD: wall mounted, double door | 1 | 1 | optional |
| JOCU-221 | CUPBOARD: under bench, double door | 1 | 1 | |
| JOGE-001 | BULKHEAD: joinery | 1 | 1 | optional, provide above wall mounted cupboard |

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

| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|---|---|---|---|---|
| FIBM-102 | MIRROR: fixed, safety glass, frameless | 1 | 1 | |
| FIDI-101 | DISPENSER: PPE, disposable masks, wall mounted | 2 | 1 | |
| FIDI-106 | DISPENSER: PPE, disposable gloves, wall mounted | 2 | 1 | |
| FIDI-231 | DISPENSER: paper towel, wall mounted | 2 | 1 | |
| FIDI-241 | DISPENSER: alcohol-based hand rub, wall mounted | 2 | 1 | |
| FIDI-256 | DISPENSER: soap, wall mounted | 2 | 1 | |
| FIDI-261 | DISPENSER: soap, antimicrobial, wall mounted | 2 | 1 | |
| FIHR-101 | BRACKET: suction bottle, wall mounted | 2 | 1 | |
| FIHR-111 | BRACKET: sharps bin, wall mounted | 2 | 1 | |
| FIHR-121 | RACK: lead apron, single, wall mounted | 2 | 1 | |
| FIHR-255 | BRACKET: combined single computer display screen, central processing unit (CPU), keyboard and mouse, articulated, joinery mounted | 2 | 1 | |
| FQBS-101 | CHAIR: visitor, clinical areas | 3 | 1 | |
| FQBS-202 | STOOL: clinical areas, mobile | 3 | 2 | |
| FQGE-121 | CLOCK: analogue display, battery operated | 3 | 1 | |
| FQWS-003 | BIN: sharps, clinical, medium | 3 | 1 | |
| FQWS-051 | BIN: general waste, 20L | 3 | 1 | |
| HYBA-121 | BASIN: type B, handwashing | 1 | 1 | |
| HYBA-421 | SINK: dental, single bowl | 1 | 1 | |
| HYTP-067 | TAPWARE: basin, tap set, wall mounted, lever handles | 1 | 1 | selection of basin and tapware should be coordinated to ensure compatibility |
| HYTP-182 | TAPWARE: sink, tap set, wall mounted, lever handles | 1 | 1 | |
| ITNE-071 | TELEPHONE: handset, desktop | 3 | 1 | |
| ITNE-121 | COMPUTER: single display screen, all-in-one | 3 | 1 | |
| ITNE-204 | INPUT DEVICE: keyboard and mouse, wireless, medical grade, washable | 3 | 1 | |


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| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|---|---|---|---|---|
| MMDN-102 | PEDESTAL: dental, mobile, 660H nominal, 5 equal drawers | 3 | 2 | |
| MMDN-121 | TROLLEY: dental, procedure | 3 | 1 | |
| MMGE-191 | CANNISTER: suction bottle | 3 | 1 | |

## Major Medical Equipment (MME)

| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|---|---|---|---|---|
| MMDN-031 | CHAIR: dental, electric | 2 | 1 | |
| MMDN-041 | DELIVERY SYSTEM: instrumentation, dentist, chair mounted | 2 | 1 | |
| MMDN-051 | DELIVERY SYSTEM: instrumentation, assistant, chair mounted | 2 | 1 | |
| MMDN-061 | DISPLAY SCREEN: dental, chair mounted | 2 | 1 | |
| MMDN-072 | LIGHT: dental, ceiling mounted | 2 | 1 | |
| MMDN-091 | IMAGING DEVICE: dental x-ray, wall mounted | 2 | 1 | |
| MMDN-096 | CONTROL PANEL: dental x-ray, remote activation | 2 | 2 | within room and outside of room, location to be confirmed at project level to suit operational service requirements. a cover may be provided to the button to prevent accidental use. |

## Engineering Services

| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|---|---|---|---|---|
| ELGE-002 | DIRECT CONNECTION: power, emergency | 1 | 1 | |
| ELGP-105 | GPO: single, wall mounted, cleaner | 1 | 1 | |
| ELGP-113 | GPO: single, wall mounted, round-pin earth | 1 | 2 | for testing of standalone RCDs |
| ELGP-131 | GPO: single, emergency power, wall mounted | 1 | 1 | |
| ELGP-136 | GPO: single, emergency power, ceiling mounted | 1 | 1 | for ceiling mounted dental light |
| ELGP-201 | GPO: double, wall mounted | 1 | 4 | |
| ELPR-071 | RCD: residual current device, wall mounted | 1 | 2 | for dental chair/x-ray, pending equipment selection |
| ELSW-001 | SWITCH: light | 1 | 1 | |
| HYDR-206 | DIRECT CONNECTION: wastewater, dental chair | 1 | 1 | |
| HYTP-451 | DIRECT CONNECTION: water, cold | 1 | 1 | to dental chair |
| ITCL-191 | BUTTON: nurse call, emergency, with cancel, wall mounted | 1 | 1 | |
| ITIN-026 | OUTLET: data, double RJ45, wall mounted | 1 | 1 | |
| ITSE-061 | BUTTON: security, duress, fixed, wall mounted | 1 | 1 | |

## Medical Services Panels and Pendants

| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|---|---|---|---|---|
| **Panel 1** | | | | |
| MMSP-051 | MEDICAL SERVICES PANEL: wall mounted | 1 | 1 | |
| *MGAS-032* | *OUTLET: nitrous oxide (N2O), on services panel* | 1 | *1* | *optional, dependent on local jurisdictional policies* |


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| CODE | DESCRIPTION | GROUP | QTY | COMMENT |
|---|---|---|---|---|
| *MGAS-042* | *OUTLET: oxygen (O2), on services panel* | 1 | *1* | |
| *MGAS-052* | *OUTLET: scavenge, on services panel* | 1 | *1* | *optional, dependent on local jurisdictional policies* |
| *MGAS-062* | *OUTLET: suction, on services panel* | 1 | *1* | |
| *MGFP-041* | *FLOWMETER: oxygen* | 3 | *1* | |
| *MGFP-061* | *ADAPTER: suction* | 3 | *1* | |

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


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