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Patient Bay - Emergency, Acute Treatment

Room Code	PTB-E-ACU
Briefed Area	12.00 m²
Ceiling Height	2.7 m
Occupancy	1 patient; 1 visitor; 1-2 staff intermittently
Hours of Operation	24 hours

Description — The Patient Bay - Emergency, Acute Treatment provides the space, equipment and services for assessment, treatment and observation of patients with acute conditions and injuries within the Emergency Unit.

Electrical
- PROTECTION: body protected ☑
- PROTECTION: cardiac protected ☐

Lighting
- LIGHTING: general ☐
- LIGHTING: colour corrected ☑
- LIGHTING: dimmable ☐
- LIGHTING: indirect ☐

Nurse Call and Duress
- 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
- 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
- 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

● Clear line of sight to the patient in the patient bay from a staff station/write-up area is required for patient observation.

● The patient bay may be configured with side walls. Inclusion, height and extent of side walls is to be determined at project level to suit the overall department layout and requirements for patient observation. For the requirements of an enclosed bay please refer to Patient Bay – Emergency, Acute Treatment, Enclosed (PTB-E-ACU-E).

● A handwash basin is to be provided for every 4-6 patient bays. Quantity and location of handwashing basins in relation to the patient bay will be subject to the overall department layout and informed by ensuring reasonable travel distances and ease of access from each patient bay. Close access to dedicated PPE bays shared between patient bays is also required separate to bays for handwashing basins. Refer to Part D: Infection Prevention and Control for more information.

● A wall clock should be visible from all clinical areas in the Emergency Unit. The location and type of clocks provided, including any required connection to a master clock system, is to be determined at a project level.

● Input of electronic medical records (EMR) may be performed on a wirelessly connected workstation on wheels (WOW) that is shared between multiple bays, with the quantity of WOWs to be rationalised across the unit to suit clinical services requirements and staffing models. Ensure circulation space is sufficient for bedside and bed-end data entry. Parking areas for WOWs and facilities for battery/equipment charging are required to support this model. Alternative configurations, such as provision of wall mounted computers (either within individual bays or as shared write up spaces between bays) may be provided depending on clinical services requirements and local ICT policies.

● The patient monitor may be mounted on the patient's left or the patient's right. The location of the patient monitor is to be determined at project level to suit clinical workflows and equipment functionality. Appropriate in-wall support is required for mounting the bracket for the patient monitor.

● The content and configuration of the medical services panel (MSP), including medical gases, power and data, will be dependent on clinical services requirements and the services requirements of selected equipment. Final configuration is to be confirmed at project level.

● The clear area required on each side of the patient trolley for use of transfer aids (such as mobile hoists, patient slides, hover mats, etc.), the space for the trolley or wheelchair the patient is being transferred to, and the staff required to assist/complete the patient transfer, is to be considered and confirmed at project level. Work Health and Safety (WHS) policies and patient transfer devices that are intended to be used in the patient bay should be confirmed by the project team.

● Mobile duress coverage is to be assessed and planned at a department level and coverage is to meet local security and WHS policies as well as operational service requirements.

● Provision for the temporary storage of patient property (e.g. wall-mounted baskets, coat hooks, underbed storage baskets, etc. for clothes and small bags) is to be considered at project level to ensure an appropriate solution is provided for patient and visitor comfort and convenience.

● It is recommended that a dedicated power outlet, clearly separate from the medical services panel (MSP), is provided to support patient and visitor use for charging portable devices. Inclusion of integral USB outlets will depend on local ICT policies.

● In some spaces, such as patient bays, a level of speech privacy of "confidential" would be recommended to protect sensitive patient information. However, due to clinical services requirements for patient care and observation, these spaces cannot be fully enclosed and therefore cannot achieve this level of speech privacy. The speech privacy rating of "not private" has been noted in relation to the elements of the physical environment that can contribute to speech privacy, however, operational approaches to maintaining confidentiality during discussions with patients and support persons must be considered.

● Size, type and quantity of waste bins provided within the patient bay, including sharps bins, will be dependent on clinical service requirements, operational models for waste management (including separation of waste streams and frequency of waste removal) and local infection prevention and control (IPC) policies. It may be determined that bins for specific waste streams are to be located in a shared area between multiple patient bays and possibly brought to the patient bay as required.

● Provision and extent of emergency/standby power and/or uninterruptible power supply (UPS) is to be confirmed to suit clinical services requirements and site conditions. Confirmation of power requirements is to be based on risk assessment considering the impact of a power outage on patient care/safety and medical equipment specifications.

● Provision of cleaner's power outlets is to be rationalised across the department and spaced in accordance with AS/NZS 3003.

● Access to natural light and an external outlook is desirable. However, patient privacy must also be considered when determining window placement. Where high-level windows are provided to the bedhead wall of patient bays consideration must be given to the location of wall mounted items such as patient monitors.

● 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.

Finishes

CODE	DESCRIPTION	COMMENT
FLVY-101	FLOOR FINISH: vinyl, seamless, standard slip resistance	
FLSK-021	SKIRTING: vinyl, integral with floor vinyl, coved	
WLFI-002	WALL FINISH: paint, clinical areas	
WLFI-011.04	WALL FINISH: vinyl, to 1500 AFFL	provide if patient bay is configured with side walls
WLPR-006.04	WALL PROTECTION: corner guards, to 1500 AFFL	provide if patient bay is configured with side walls; to be coordinated with adjacent wall protection
CLTI-024.02	CEILING: drop-in tiles, anti-microbial, acoustic, prefinished, 600 x 1200	flush set ceiling is also acceptable

CODE	DESCRIPTION	COMMENT
CLCN-041	CORNICE: wall trim fixing, prefinished	square set cornice acceptable if flush set ceiling is provided
WLPR-002	WALL PROTECTION: bedhead wall panel, low height	

Fittings, Furniture and Equipment (FF&E)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIDI-106	DISPENSER: PPE, disposable gloves, wall mounted	2	1	optional; may be provided in PPE bay shared between multiple bays
FIDI-241	DISPENSER: alcohol-based hand rub, wall mounted	2	1	may alternatively be provided as a bottle in a holder located on the end of the bed
FIHR-101	BRACKET: suction bottle, wall mounted	2	2	
FIHR-111	BRACKET: sharps bin, wall mounted	2	1	sharps bin may alternatively be provided on a dedicated cart or on a clinical trolley that is shared across the unit and brought to the patient bay as required; solution to suit clinical services requirements and local IPC policies
FIHR-151	PANEL: storage baskets, wall mounted	2	1	type and extent of storage for consumables is to be confirmed to suit clinical services requirements, operational models for stock centralisation/decanting and local IPC policies
FIHR-161	BRACKET: storage basket, wall mounted	2	1	for the temporary storage of patient property
FIHR-297	BRACKET: combined single screen all-in-one computer, keyboard and mouse, height adjustable, wall mounted	2	1	optional; to wall mounted computer if provided
FIHR-411	BRACKET: patient monitor, articulated, wall mounted	2	1	with accessory storage and cable management items as required
FIRT-051	TRACK: curtain, privacy	1	1	
FQBS-101	CHAIR: visitor, clinical areas	3	1	
FQGE-101	CURTAIN: privacy screen	3	2	
FQGE-112	BASKET: storage, for wall mounted panel, small	3	3	type and extent of storage for consumables is to be confirmed to suit clinical services requirements, operational models for stock centralisation/decanting and local IPC policies
FQGE-113	BASKET: storage, for wall mounted panel, medium	3	1	for the temporary storage of patient property
FQTA-091	TABLE: overbed, mobile, height adjustable	3	1	
FQWS-003	BIN: sharps, clinical, medium	3	1	size to suit clinical services requirements and operational models for frequency of disposal; may alternatively be provided on a dedicated cart or on a clinical trolley that is shared across the unit and brought to the patient bay as required; solution to suit clinical services requirements and local IPC policies
FQWS-051	BIN: general waste, 20L	3	1	size, type, quantity and location of waste bins will be dependent on clinical services requirements, operational models for waste management and local IPC policies
FQWS-231	BIN: clinical waste, 20L	3	1	size, type, quantity and location of waste bins will be dependent on clinical services requirements, operational models for waste management and local IPC policies
ITNE-111	COMPUTER: workstation on wheels (WOW), medical grade, all-in-one computer, keyboard and mouse, on cart	3	1	shared between multiple patient bays, with quantity to be rationalised across the unit to suit clinical services requirements, operational models for EMR, local ICT policies and staffing models
ITNE-122	COMPUTER: single display screen, all-in-one, medical grade	3	1	optional; may be provided in lieu of WOW; provision dependent on clinical services

CODE	DESCRIPTION	GROUP	QTY	COMMENT
				requirements, operational model for electronic medical records and local ICT policies
ITNE-204	INPUT DEVICE: keyboard and mouse, wireless, medical grade, washable	3	1	optional; to wall mounted computer if provided
MMBE-111	BED: patient, electric, with mattress, emergency	3	1	
MMGE-191	CANNISTER: suction bottle	3	2	
MMGE-238	DIAGNOSTIC SET: otoscope, ophthalmoscope and thermometer, wall mounted	2	1	configuration of diagnostic equipment to be confirmed to suit clinical services requirements
MMPM-011	MONITOR: patient, medium acuity	3	1	configuration of patient monitoring to be confirmed to suit clinical services requirements; with accessories (sensors, cuffs, cables, etc.) as required

Engineering Services

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELGP-101	GPO: single, wall mounted	1	1	to diagnostic set
ELGP-131	GPO: single, emergency power, wall mounted	1	1	to write up area, for workstation on wheels or wall mounted computer depending on solution provided
ELGP-131	GPO: single, emergency power, wall mounted	1	1	to patient monitor
ELGP-201	GPO: double, wall mounted	1	1	for patient and visitor use to charge portable devices; inclusion of integral USB outlets is dependent on local ICT policies
ELGP-231	GPO: double, emergency power, wall mounted	1	1	to bedhead wall, low height for patient bed and mattress
ELPR-071	RCD: residual current device, wall mounted	1	1	quantity and type to be confirmed to suit finalised power allocations
ELPR-081	RCD: residual current device, emergency power, wall mounted	1	1	quantity and type to be confirmed to suit finalised power allocations
ITCL-111	LIGHT: nurse call indicator, ceiling mounted	1	1	outside curtain at foot of bed; location to ensure visibility along paths of travel
ITCL-181	BUTTON: nurse call, staff assist, with cancel, wall mounted	1	1	may be combined on a single face plate with patient to staff call button; located to support quick access by staff
ITCL-191	BUTTON: nurse call, emergency, with cancel, wall mounted	1	1	located to support quick access by staff
ITCL-251	HANDSET: nurse call, patient to staff call	1	1	with holder and cable management items as required
ITIN-016	OUTLET: data, single RJ45, wall mounted	1	1	to write up area, for workstation on wheels or wall mounted computer depending on solution provided
ITIN-026	OUTLET: data, double RJ45, wall mounted	1	1	to patient monitor
LIFX-111	LIGHT: examination, ceiling recessed	1	1	light switch located on MSP; may alternatively be provided as an articulated examination light with fixture mounted controls

Medical Services Panels and Pendants

CODE	DESCRIPTION	GROUP	QTY	COMMENT
Panel 1				
MMSP-051	MEDICAL SERVICES PANEL: wall mounted	1	1	to patient's right; content and configuration to be confirmed based on clinical services

CODE	DESCRIPTION	GROUP	QTY	COMMENT
				requirements and medical equipment selection
ELGP-146	GPO: single, emergency power, on services panel	1	4	
ELPR-083	RCD: residual current device, emergency power, on services panel	1	1	
ELSW-001	SWITCH: light	1	1	to ceiling recessed examination light; fixture may alternatively be provided as an articulated examination light with fixture mounted controls
ITIN-025	OUTLET: data, double RJ45, on services panel	1	1	
MGAS-022	OUTLET: medical air, on services panel	1	1	
MGAS-042	OUTLET: oxygen (O2), on services panel	1	1	
MGAS-062	OUTLET: suction, on services panel	1	1	
MGFP-021	FLOWMETER: medical air	3	1	
MGFP-041	FLOWMETER: oxygen	3	1	
MGFP-061	ADAPTER: suction	3	1	
Panel 2				
MMSP-051	MEDICAL SERVICES PANEL: wall mounted	1	1	to patient's left; content and configuration to be confirmed based on clinical services requirements and medical equipment selection
ELGP-146	GPO: single, emergency power, on services panel	1	3	
ELPR-083	RCD: residual current device, emergency power, on services panel	1	1	
ITCL-133	BUTTON: nurse call, patient to staff call, with cancel, with handset connection point, on services panel	1	1	may be combined on a single face plate with staff assist call button; located to support quick access by staff
MGAS-042	OUTLET: oxygen (O2), on services panel	1	1	
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.