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1.0 Design Principles Overview

All products Australian made or assembled in Australia

- Access Panels for all service equipment to be as per installer's instruction.
- In absence of installer's instruction all access panels to allow for the removal of serviceable equipment intact
- Access Panels for inspection points (ceiling & floor) flush mounted 600mm x 600mm
- Plant Rooms housing serviceable equipment to have entry(s) and exit(s) so that all equipment housed can be wheeled in and wheeled out
- Laboratories housing serviceable equipment to have entry(s) and exit(s) so that all equipment housed can be wheeled in and wheeled out
- Ceiling spaces housing serviceable equipment to have platforms and walkways to allow servicing of equipment
- Ceilings that exceed 2.8 metres to have attic ladders or similar to allow access to serviceable equipment
- Points of Entry to buildings, Bathrooms, Toilets, Ramps and wet areas to have a slip resistance rating of R11.
- Stair nosings on all stairs
- All internal and external stairs and ramps to have handrails. External handrails to be stainless steel.
- All redundant services including, wiring and cabling to be removed. Consult ICT, Electrical, Plumbing, Mechanical and/or Essential Services departments.
- No surface ducting or trunking
- All cabling, wiring and pipe work concealed
- Water based paint to be used on all surfaces excluding doors, door frames, trims and metal window frames where oil based paint is to be used. **See 2.0 Specific Design Requirements – Painting**
- Paint application is a sealer and two top coats.
- Surface test is to be performed to determine existing paint type with methylated spirits.
- If the surface is oil based then it must be sealed with an appropriate sealer to gain adhesion then apply two top coats
- Where peeling paint has been caused by failed dusty substrates namely kalsomine or old plaster setting, these identified chalky areas are to be cleaned with sugar soap and sealed with a binder sealer before top coats are applied.
- Complete removal of old paint surfaces should be performed with Peelaway™ system or equivalent
- All external doors exposed to elements to be completely metal encased
- All Lecture Theatre seating to have writing tablets and power
- Window Furnishings block out chain controlled Roller blinds are preferred

2.0 Specific Design Requirements

| Carpet | |
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| <p>Tufted Carpets</p> | <p>Weight : 48oz/yd² (1630g/m²) Carpet Description : Level loop pile Fibre content : 100%Wool or 90% Wool 10% Nylon Machine Gauge: 39.4/10cm (1/10th) Finished Pile Height: 5mm+/- 1mm Primary Backing: Woven Polypropylene Secondary Backing: Jute Backing Adhesive: Synthetic Latex Carpet Width: 3.66metres ACCS Grading: Contract heavy Duty & Stairs. Pattern Match: Not applicable - Adjoining widths must run in the same direction</p> <p>Option 1 - Dual Bond Installation Method <i>If the carpet is to be installed by the dual bond installation method, Bridgestone Sensi Slab underlay is the recommended underlay with suitable adhesives and joins to be heat taped.</i></p> <p>Option 2 – Conventional Installation <i>If the carpet is to be installed by the conventional installation method, Bridgestone Cushion Pad underlay is the recommended underlay with suitable architectural smooth edge installed around the floor perimeter walls and joins to be heat taped.</i></p> |
| <p>Woven Axminster Carpets – University Of Sydney Palette</p> | <p>Pile Content: 80% Wool 20% Nylon Pitch: 27.56/decimetre (7/inch) Beat Up : 35.43/decimetre (9/inch) Finished Pile Height: 7mm (+/- 1.00mm) Total Pile Weight: 1360g/m² (40oz/y²) Width: 3.66 metres</p> <p>Option 1 - Dual Bond Installation Method <i>If the carpet is to be installed by the dual bond installation method, Bridgestone Sensi Slab underlay is the recommended underlay with suitable adhesives and joins to be heat taped.</i></p> <p>Option 2 – Conventional Installation <i>If the carpet is to be installed by the conventional installation method, 6lb hair/jute underlay is the recommended underlay with suitable architectural smooth edge installed around the floor perimeter walls and joins to be heat taped.</i></p> |
| <p>Carpet Tiles</p> | <p>Product Description: Level Loop Pile Modular Carpet Yarn/ Fibre: Solution Dyed Nylon Machine Gauge: 1/12th Gauge Pile Thickness 4.00mm Total Thickness 7.00mm Tile Size : 500mm x 500mm Laying Options : Quarter Turn – Ashlar – Brick</p> <p><i>Installation by the direct stick method, using an approved pressure sensitive adhesive.</i></p> |

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| Vinyl | Tarkett Eminent or equivalent |
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| Painting | Heritage Considerations Apply – Please email cis.communications@sydney.edu.au to confirm. |
| External Walls | Nominated Paint: Dulux Weathershield or equivalent Nominated Finish: Low Sheen |
| Windows (wood) | Nominated Paint: Dulux Aqua enamel (water based) or equivalent Nominated Finish: Gloss |
| Windows (metal) | Nominated Paint: Dulux super enamel (oil based) or equivalent Nominated Finish: High Gloss |
| Eaves & Soffits | Nominated Paint: Dulux Weathershield or equivalent Nominated Finish: Low Sheen |
| Fascia & Guttering | Nominated Paint: Dulux Weather shield or equivalent Nominated Finish: Gloss |
| Internal Walls | Nominated Paint: Dulux Wash n Wear or equivalent Nominated Finish: Low sheen (Acrylic) |
| Ceilings | Nominated Colour: Ceiling White (Dulux) Nominated Finish: Flat (Acrylic) |
| Woodwork | Nominated Paint: Dulux super enamel (oil based) or equivalent Nominated Finish: High Gloss Enamel |
| Doors | Nominated Paint: Dulux super enamel (oil based) or equivalent Nominated Finish: High Gloss Enamel |
| NOTE: Toilets to be painted with Dulux "MOULDSHIELD" as per above colour selection finish to be semi gloss to all surfaces | |

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| Mats and Mat Wells | Full door opening and 1200mm deep - Waterhog™ or equivalent |
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| Door Closers | Solid core & Fire Doors – Dorma TS 83 or equivalent |
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STUDENT HOUSING

| | Paint |
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| External | Nominated Colour: TBA (heritage considerations apply) Nominated Finish: TBA (Heritage considerations apply) |
| Walls | Nominated Colour: Ecrue P15.D1 (Dulux Colour Specifier) Nominated Finish: Semi Gloss (Acrylic) |
| Ceilings | Nominated Colour: Ceiling White (Dulux) Nominated Finish: Flat (Acrylic) |
| Woodwork | Nominated Colour: Rodin Grey 50BG 38/011 (Dulux Master Pallet) Nominated Finish: High Gloss Enamel |
| Concrete Laundry | Nominated Colour: Dark Grey "Berger Jet Dry Non Slip" Nominated Finish: Flat |

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| <p>NOTE: Bathrooms to be painted with Dulux "MOULDSHIELD" as per above colour selection finish to be semi gloss to all surfaces</p> | |

| Floor coverings | |
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| Underlay | Nominated Type: Bridgestone "Airstep" min 8mm thickness or equivalent |
| Carpet | Nominated Type: Tuffmaster 48oz loop pile or equivalent Nominated Colours: Tuffmaster "Oceanic" or "Capricorn" or equivalent |
| Vinyl | Nominated Type: Tarkett Commercial "Safetred Universal" Nominated Colours: Light Grey (flecked) Tarkett # 3820 110 |
| <p>NOTE: Kitchen vinyl is to be coved to all walls and cabinetry using a preformed fillet. (minimum height 75mm uniform throughout)</p> | |

| Kitchen Cabinetry | |
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| Bench Tops | Min 32mm thick HMR particleboard laminated 180degree bullnose, Laminex Pearl Grey "Dimensions Finish" |
| Doors & Drawer Fronts | Min 16mm thick HMR particleboard or high moisture resistant medium density fibreboard MDF laminated. 2mm PVC plastic edge strip to all doors and drawers. Laminex White "Dimensions Finish" |
| Drawers | 13mm thick (bottom 16mm) of either HMR particleboard or high moisture resistant medium density fibreboard MDF, finished with white melamine. Completely integrated drawer slide system comprising a high quality epoxy coated white steel self closing feature runner 30kg load capacity. |
| Carcass | Min 16mm thick high moisture resistant HMR particleboard with white melamine finish to all internal surfaces, including edge of frame, carcass and shelves. |
| Kickboard | Min 16mm thick high moisture resistant HMR particleboard with 2mm black vinyl or high pressure high resistance laminate finish, including any edges. |
| Breakfast Bars | Benchtop - min 32mm thick HMR particleboard laminated 180degree bullnose, rounded ends 900mm height, 600mm width Laminex Pearl Grey "Dimensions Finish" Benchtop Support - C/P bench support leg min 60mm dia with mounting plates fixed to floor and benchtop with with S/S screws |

NOTE:* Use concealed side wall-mounted self closing hinges with 170degree swing
* Cupboard/drawer handles are not to be used. Finger pulls to be located in door & drawer fronts fitted with a suitable plastic grommet

| Built in Wardrobes | |
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| Doors | Min 16mm thick high moisture resistant HMR particleboard or moisture resistant medium density fibreboard MDF, laminated both sides with high pressure decorative laminate having medium resistance to surface wear, impact and scratching. 2mm PVC plastic edge strip to doors |
| Carcass | Min 16mm thick high moisture resistant HMR particleboard with white |

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| | melamine finish to all internal surfaces including edge of frame, carcass and shelves |
| NOTE: * Sliding doors only to be fitted to built in robes. Shelving only to be fitted, no drawer units in robes | |

| Bathroom | |
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| Wall Tiles | Nominated - 150x150mm (white) or as directed "Johnson" brand or equivalent. Min 5.5mm thick. Unglazed edges to body tiles and glazed edges for edge tiles |
| Floor Tiles | Nominated - 200x200mm "Johnson Waringa Stone Grey" # 711172 Slip Rating R11 or equivalent |
| Shower Bases | 905x905mm "Decina Prelude Square" centre waste (white) or equivalent |
| Shower Screens | Nominated - To suit shower base, powder coated frames, min 6mm toughened glass, hinged doors |
| Towel Rails | Min 700mm, C/P, concealed fixings |
| Soap Holders | Min 700mm, C/P, concealed fixings |
| Toilet Roll Holders | Min 700mm, C/P, concealed fixings |
| Toothbrush Holder | C/P, concealed fixings |
| Bathroom shelving | "Dorf Belmore" C/P concealed fixings or equivalent |
| Mirrors | Mirrors to have C/P or white powder coated frame, sizes may vary according to bathroom configuration, generally 600x600mm, silicone fixed to walls |
| NOTE: * Shower bases may vary according to bathroom configuration | |

| Electrical | |
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| Cook Tops | "Chef" EHC 614S 600x600mm complete with 20Amp 3 pin plug |
| Light Fittings | "Davis" brand model # ABD2901 265x90mm or equivalent |
| Exhaust Fans | 250mm diameter (ceiling mounted) |
| GPO's/Switches | "HPM" or "Clipsal" brands to be used throughout |
| Heating | "Thermofilm" Model THD 320 wall mounted |

3.0 Documents and Certification Requirements

Before commencement

- Material Safety Data Sheets
- Manufacturers/Suppliers Recommendations of use & installation

At Completion

- Manufacturers/Suppliers Warranties and Guarantees
- Installation & Maintenance Manuals
- As-Built Drawings

