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F. SPECIAL AREA REQS– SCHEDULE OF CHANGES – REV 4.2

As a guide only, attention is drawn to changes that have been made in the following clauses since the last revision

Clause	Date
General revision	
No change	August 2004
F.1.1 & F.1.2 included	December 2006
CATS Equipment revised	December 2006

F. SPECIAL AREA REQUIREMENTS

F.1. LABORATORIES

F.1.1. Teaching Laboratories

Teaching laboratories are to be constructed in accordance with the Building Code of Australia.

F.1.2. Research Laboratories

Unless varied by specific user and regulatory requirements, research laboratories are to be constructed in accordance with the Australian Standard on Laboratory Design & Construction - AS2982.1 (1997) and the Building Code of Australia.

Ensure client briefing on any regulatory or funding imposed constraints are provided at the outset of the project.

See also: [Section E.6](#)

F.2. CENTRALLY ALLOCATED TEACHING SPACE (CATS)

F.2.1. Furniture

F.2.1.1. Fixed

- Sebel Podium chair with writing tablet. – Colour TBA.
 - Architectural Engineering (NZ) –G2 Seating – Colour TBA.
- Note: Type of seat depends on size of writing tablet – CATS to determine.

F.2.1.2. Whiteboards / Blackboards

- Charles Timms – Omni plate Minimum size 3mtr wide series 30 Vertical Sliding Board

F.2.1.3. Projection Screen

- Screen Technics- Motorised screen to be used size TBA depending on size of theatre and level of AV.

F.2.1.4. Overhead Projector

- Wilson and Gilkes - 400 watt Dual lamp OHP.
- Note: Dual OHP required

F.2.1.5. Overhead Projector Trolley

- Wilson and Gilkes – FST winged Trolley.

F.2.1.6. Lighting

- Light fittings as per UNSW standards
- Lighting is to be controlled by Dynalite dimmers.
- Lighting to be controlled by door entry panel and AMX .
- Lighting to fade from front to back.
- Light fittings to be parallel with whiteboards and to be switched in individual rows (eg : Front row , second row)
- Board lights on separate switching.
- To be linked to EMS. See [Section C](#)

F.2.1.7. GPO'S

- GPO`S to be fitted with lockable clipsal covers – minimum requirement 3 per room more may be required depending on level of AV.
 - GPO`S fitted to lectern as per CATS lectern drawing.
- Refer also: ELECTRICAL SERVICES

F.2.1.8. Theatre Control Systems

- AMX Theatre control system to be used
- Note: equipment to be specified by CATS.

F.2.1.9. Lectern

- As per CATS lectern drawing

F.2.1.10. Equipment Cabinet

- As per CATS drawing
- Note: CATS to specify if required, depends on size of theatre.

F.2.2. Equipment Located in Lectern

- AMX control units
- Lectern Microphone
- Lavalier Microphone
- Lectern Light
- Internal PC
- CWN – data points x 4
- Internal phone
- Cardax swipe
- Read switches on all doors
- IT facilities

Note: Equipment to be specified by CATS

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F.2.2.? Equipment located in AV Cupboard

DVD/VCR Combo
Tape Deck Play
Tape Deck Record
Stereo Amplifier
Mixer
Radio Microphone Receiver
1 22RU Rack
CWN – Data ports x4

F.2.2.1. IT Facilities

- Internal PC
 - CWN – data points X 4
 - Internal phone
 - Cardax swipe
- Refer also: COMMUNICATIONS & Electronic Security

F.2.2.2. LCD Projector

LCD Projector Minimum 3500 ANSI Lumen Model TBA.

F.2.2.3. Slide Projector

Kodak Ektrapro 5020
Slide Projector Pedestal – see CATS joinery details.
Note: Dual slides to be installed in all theatres. Security cradles and posts for TV, VCR, Slide Projector and LCD to be purchased from KMG Development.

F.2.2.4. Speakers

Wall mounted speakers – minimum 2 per theatre Type TBA.

F.2.2.5. Security

- Security on all AV equipment. – Linked to UNSW Security.
 - Electronic strike on classroom door– linked to UNSW Security.
 - EMS
- Refer also: [Section B](#) - Electronic Security. Please note these standards are a guide and CATS must be consulted well before final documentation .

F.2.3. Appendix. UNSW Touch Screen Configuration

F.3. CATS ROOMS

F.3.1. Furniture

F.3.1.1. Loose

- Sebel Progress Side Chair- “slate” polypropylene seat epoxy coated steel frame – Hot stamped “UNSW CATS “.
- Tables – CSI Furniture – 1200 x 600 x 710 with 18mm Melamine top colour “Oyster Grey “, rounded edge sealed and lacquered

F.3.1.2. Fixed

- Sebel Podium chairs with writing tablet. – Colour TBA. or
- Architectural Engineering (NZ) –G2 Seating – Colour TBA.

F.3.1.3. Whiteboards / Blackboards

- Charles Timms–Omni plate Minimum size 3mtr long – standard height 1200mm.
- If large room series 30 Vertical Sliding Board may be used.

F.3.1.4. Projection Screen

- Screen Technics- Manual screen 1.8mtrs or a motorised screen may be required depending on level of AV.

F.3.1.5. Overhead Projector

- Wilson and Gilkes - 250watt Dual lamp OHP.

F.3.1.6. Overhead Projector Trolley

- Wilson and Gilkes – FST winged Trolley.

F.3.1.7. Lighting

- Light fittings as per UNSW standards
- Light fittings to be parallel with whiteboards and to be switched in, individual rows (eg: Front row, second row).
- Board lights on separate switching.
- To be linked to EMS. Refer: [Section B](#) – Electronic Security

F.3.1.8. G.P.O.'S

- GPO`S to be fitted with lockable clipsal covers – minimum requirement 3 per room more may be required depending on level of AV.

F.3.1.9. Ceiling Fans

- Ceiling fans to be fitted when AC not available- ensure fans do not conflict with AV layout or cause strobing - Check UNSW standard for fan type.

F.3.1.10. Additional Audio Visual

F.3.1.11. Television

- 86cm Stereo TV Model TBA.

F.3.1.12. DVD/VCR Combo

- NTSC – Play back and Record Model TBA.

F.3.1.13. Tape Deck

- Denon 555 Single Deck.

F.3.1.14. LCD Projector

- LCD Projector Minimum 2500 ANSI Lumen Model TBA.
- Slide Projector
- Kodak Ektrapro 5020
- Slide Projector Pedestal – see CATS joinery details.

Note: Security cradles and posts for TV, VCR, Slide Projector and LCD to be purchased from KMG Development.

- Front row of tables must be 2mtrs from whiteboard.
- Projection screen located centre of whiteboard
- The location of all AV equipment depends totally on the room layout, it is essential that CATS sign off on all documentation before plans are given to builders.

F.3.1.15. Signage

- Door signage – UNSW standard. Refer : [Section C](#) - Signage
- Room Signage – CATS to supply

F.3.1.16. Security

- Security on all AV equipment. – Linked to UNSW Security.
- Electronic strike on classroom door– linked to UNSW Security.
- EMS -

Note:– Refer: [Section B](#) - Electronic Security

- Security on all AV equipment. – Linked to UNSW Security.
- Electronic strike on classroom door– linked to UNSW Security.