WESTERN SYDNEY
UNIVERSITY

Office of Estate and Commercial

BINS AND OUTDOOR FURNITURE STANDARDS

V19.0

Version History

Version	Date	Created By	Reason
V11.1	20.09.2011	Yuen Yuen YIP	Updated Standards
V11.2	06.12.2011	Yuen Yuen YIP	Update Standards, additional items
V12.0	28.03.2012	Mary Isidoro	Updated Standards
V12.1	24.05.2012	Mary Isidoro	Updated Standards, additional item
V12.2	05.12.2012	Yuen Yuen YIP	Inclusion of items
V13.0	26.04.2013	Anthony Roy	Suppliers added, materials and finishes updated. Items added: cafe tables type D and E, cafe chair type D, water bottle fill station.
V13.1	02.07.2013	Anthony Roy	Supplier information removed. Items added: 2 clotheslines, 3 indoor bin options. Updated slats on BOA to aluminium. Updated water bottle filling station. Updated specification information throughout.
V14.0	25.06.2014	Anthony Roy	Cafe chairs updated.
V15.0	06.03.2015	Anthony Roy	Updated bin specifications, price guide added.
V16.0	11.12.2015	Gloria Pan	Reformatted to university rebrand.
V17.0	08.08.2017	Gloria Pan	Café table type A revised. Outdoor bin type B added.
V18.0	25.05.2018	Gloria Pan	Café table TOB3 added
V19.0	01.11.2019	Gloria Pan	Price guide removed

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1 Introduction

1.1 Purpose of this Document

The purpose of this document is to create a unified furniture standard that can be applied across all Western Sydney University Campuses.

1.2 Application

These Guidelines are to be applied to the selection of furniture as applicable to outdoor spaces and fitout. The Design Consultant shall prepare schedules of furniture to be procured for the project identifying the room number or area and using the assigned identification codes for each type of item.

It is *'mandatory'* for this document to be read in conjunction with the Architectural Design Guidelines and the Space Planning Guidelines.

1.3 Technical Overview

Items of furniture listed in these Standards shall comply with the most recent editions of all relevant Australian Standards and Codes. Where Australian Standards and Codes do not exist, the appropriate British and International Standards or Codes shall apply.

Design and engineering of furniture and workstation systems shall be in accordance with AFRDI-Furntech testing procedures and certification.

AFRDI (Australian Furniture Research and Development Institute) are a non-profit, independent organisation providing Australian and New Zealand furniture buyers with a set of standards, product certification, testing and research.

The following standards and codes form part of the contract specification.

Quality Systems

AS.NZS ISO 9000 Series.

Fire Protection

To AS 1530 Methods for Fire Tests of Building Materials, Components and Structures

Part1: Combustibility of Materials; Part 2: Test for Flammability of Materials; Part 3: Test for Early Fire Hazard Properties of Materials; Part 4: Fire-resistance Tests of Elements of Construction.

DO NOT use components, materials and fabrics, which when burnt generate toxic and acrid fumes or smoke.

1.4 Warranty

Products shall be guaranteed against all defects arising for faulty workmanship and materials after delivery, and/or installation/acceptance. **This does not cover general wear and tear**. The warranty/guarantee period offered for each product range shall be inclusive of labour, components and travel, but can exclude fabric where applicable.

A written manufacturer's warranty shall be provided upon delivery of furniture.

Warranty Periods

All product groups shall have a warranty period approved by OEC; otherwise a minimum two (2) year warranty is applied. Where manufacturers offer extended warranty periods, the longer period shall apply.

1.5 Care and Maintenance

The Contractor shall provide a "Product Care and Maintenance Manual" to inform and provide guidance for the Western Sydney University Cleaning Contractor of the manufacturer's maintenance requirements.

1.6 Coding System

Furniture Item	Abbreviation
Chairs	C
Tables	T
Rails	R
Bins	B
Shelters	S
Barbeques	B
Bollards	B
Clothes Line	L
Water bottle fill station	W

Example:

Furniture Item	Furniture Function	Type	Size Selection	Code
Tables (T)	Cafe (O)	A	1	TOA1

2 Tables

Furniture Item	Descriptor	Abbreviation
Table (T)	Cafe	O

2.1 Cafe Table - TO

2.1.1   Cafe Table Type A

CODE	SIZE	COMMENTS
TOA1	800Ø x 733H Disc base 540 Ø	Disc base Freestanding
TOA2	800Ø x 733H	Fixed to ground and base is smaller than shown

Item	Component	Specifications
Construction	Table Top	Durable circular table with Polytec Compact Laminate (rated for outdoor use)
	Base	Table supported by an extruded stainless steel leg concealed fixed to ground min 180mm Or disc base
		Extruded tube 60mmØ Disc base 540mmØ
Finish	Table Top	Polytec Compact Laminate 13mm thick
	Finish Top	White cement, Dark cement, Polar white, Natural oak, Nickel
	Frame	Stainless steel
	Mounting Options	Surface fixing or free standing

2.1.2 Cafe Table Type B

CODE	SIZE	COMMENTS
TOB1	830Ø x 720H	Surface Fixed
TOB2	830Øx720H	Fixed into concrete footing
TOB3	830Øx720H	Freestanding

Item	Component	Specifications
Construction	Table Top	Slotted cast aluminium
	Post	60Ø extruded aluminium
	Feet	200Ø circular aluminium base plate or
		200 x 200 aluminium sub-surface base plate
	Fixing	Surface OR sub-surface fixed (TOB1 & TOB2) Freestanding - spider leg (TOB3)
Finish		Powdercoat (Standard Colours) - Black, Silver, Heritage Green.

2.1.3 Cafe Table Type C

CODE	SIZE	COMMENTS
TOC1	1750L x 720D x 720H	Surface Fixed

Item	Component	Specifications
Construction	Frame	Cast aluminium
	Slats	Clear aluminium anodised
Finish	Legs	Powder coat sprayed legs in silver
	Slats	Clear aluminium anodised
Fixing		Bolt fixed to ground

2.1.4   Cafe Table Type D

CODE	SIZE	COMMENTS
TOD1	1200W x 800D x720H	Freestanding

Item	Component	Specifications
Construction	Table Top	Moulded resin, scratch and heat resistant
	Post	2 by 60mmØ extruded aluminium
	Feet	2- way aluminium base Height adjustable levelling feet
Finish	Base	Polished anodised aluminium
	Top	Anthracite, Brushed Silver, Travertine, Marble, Black Granite
Assembly		Table and Top to be assembled by supplier

2.1.5   Cafe Table Type E

CODE	SIZE	COMMENTS
TOE1	800mmØ x 720H	Freestanding

Item	Component	Specifications
Construction	Table Top	Moulded resin, scratch and heat resistant
	Post	60Ø extruded aluminium
	Feet	4-way aluminium star base Height adjustable levelling feet
Finish	Base	Polished anodised aluminium
	Top	Anthracite, Brushed Silver, Travertine, Marble, Black Granite, White
Assembly		Table and Top to be assembled by supplier

3 Chair

Furniture Item	Descriptor	Abbreviation
Chair (C)	Cafe	C
	Street	G

3.1 Cafe Chair – CC

3.1.1   Cafe Chair Type A – for selected areas only – to be approved by OEC

CODE	SIZE	COMMENTS
CCA1	580W x 560D x 820H Seat height: 460mm Weight 5.0Kg	Use only under special circumstances

Item	Component	Specifications
Construction		Polycarbonate in transparent colour Stackable
Finish	Colours	Smoky grey, Amber Clear or Transparent **Do not use White colour.**

3.1.2 Cafe Chair Type B

CODE	SIZE	COMMENTS
CCB1	360Ø x 450H	Surface fixed
CCB2	360Ø x 450H	Fixed into concrete footing

Item	Component	Specifications
Construction	Seat	Slotted cast aluminium.
	Post	50Ø extruded aluminium
	Feet	200Ø circular aluminium surface base plate
		200 x 200 aluminium sub-surface base plate
Fixing	Feet	Surface OR sub-surface fixed
Finish		Powdercoat (Standard Colours) - Black, Silver, Heritage Green.

3.1.3   Cafe Chair Type C

CODE	SIZE	COMMENTS
CCC1	500W x 580D x 840H Seat height: 450mm Weight 3.7Kg	Stackable

Item	Component	Specifications
Construction		Fully welded aluminium with reinforced weld points
		Fixed caps in feet
		UV stabilised, suitable for outdoor use
Colour		Powder coat in Anthracite

3.1.4 Cafe Chair Type D

CODE	SIZE	COMMENTS
CCD1	Overall 500W x 550D x 820H Seat height: 465mm Weight 4Kg	GECA Stackable up to 8 units

Item	Component	Specifications
Construction		Glass filled polypropylene structure
		100% recyclable
		UV stabilised, suitable for outdoor use
		No arms. Open backrest
Colour		Black, Orange, Yellow, Blue or Dark Grey **Do not use White colour.**

3.1.5 Cafe Chair Type E

CODE	SIZE	COMMENTS
CCE1	Overall 570W x 520D x 780H Seat height: 470mm Seat width: 430mm	Stackable up to 6 units

Item	Component	Specifications
Construction		Glass filled polypropylene structure
		100% recyclable
		UV stabilised, suitable for outdoor use
Colour		Black, Pistachio, Mustard, Grey or Light blue **Do not use White colour.**

3.2 Street Chair - CG

3.2.1   Street Chair Type A

CODE	SIZE	COMMENTS
CGA1	1750L x 615W x 435H	Surface fixed to the ground
CGA2	1750L x 615W x 435H	Fixed to a wall

Item	Component	Specifications
Construction	Frame	Cast aluminium Arch base for ground fixed bench
	Slats	Clear aluminium anodised
Finish	Legs	Powder coat sprayed legs in silver
	Slats	Clear aluminium anodised
Fixing		Bolt fixed to ground or wall

3.2.2   Street Chair Type B

CODE	SIZE	COMMENTS
CGB1	1750L x 585D x 840H Seat height: 435mm	

Item	Component	Specifications
Construction	Frame	Cast aluminium Tee base
	Slats	Clear aluminium anodised
Finish	Legs	Powder coat sprayed legs in silver
	Slats	Clear aluminium anodised
Fixing		Bolt fixed to ground

3.2.3 Street Chair Type C – Accessible

CODE	SIZE	COMMENTS
CGC1	1750L x 585D x 840H Seat height: 435mm	With armrests Not to be used with a table

Item	Component	Specifications
Construction	Frame + Armrest	Cast aluminium Tee base
	Slats	Clear aluminium anodised
Finish	Legs	Powder coat sprayed legs in silver
	Slats	Clear aluminium anodised
Fixing		Bolt fixed to ground

4 Bicycle Rail

Furniture Item	Descriptor	Abbreviation
Rack (R)	Bicycle	B

4.1 Bicycle Rail – RB

4.1.1 Bike Rail Type A

CODE	SIZE	COMMENTS
RBA1	650L x 50W x 850H	Fixed into concrete footing
RBA2	650L x 50W x 850H	Surface fixed

Item	Component	Specifications
Materials		Stainless steel
Finish		Satin finish
Fixing		Surface fixed or Extended leg – set into ground with concrete to manufacturer's details.

5 Bins

Furniture Item	Descriptor	Abbreviation
Bins (B)	Outdoor	O
	Indoor	I

5.1 Outdoor Bins – BO

5.1.1 Outdoor Bin Type A – for selected locations to be approved by OEC

CODE	SIZE	COMMENTS
BOA1	1200W x 625D x 930H Fits 120L wheeled bin	For high usage areas or Food court area
BOA2	1410W x 810D x 1080H Fits 240L wheeled bin	

Item	Component	Specifications
Construction	Frame	Concealed galvanised steel
	Panels	Aluminium
	Hood	Aluminium
	Top Insert Panel	Aluminium
Finish	Panels	Powdercoated 'Anodic Natural'
	Hood	Polished
	Top Insert Panel	Powdercoated 'Anodic Natural'
Fixing		Surface mounted
Signage		To be advised by OEC

5.1.2 Outdoor Bin Type B

CODE	SIZE	COMMENTS
BOB1	570W x 590D x 1180H Fits 120L wheeled bin	

Item	Component	Specifications
Construction	Frame	Stainless steel 304
	Panels	Stainless steel 304
	Hood	Stainless steel 304
Finish	Panels	Brushed
	Hood	Brushed
Fixing		Surface mounted
Hardware	Lock	Front door lock Security key x2
Signage		Laser cut sign on front door "Waste" in Red, "Recycling" in Yellow

5.1.3   Outdoor Bin Type C

CODE	SIZE	COMMENTS
BOC1	950W x 400D x 950H	Not to be used for food court area

Item	Component	Specifications
Construction	Frame	Concealed stainless steel
	Slats	Recycled HDPE + woodfibre
	Roof	Stainless steel
Finish	Slats	Grey
	Frame	Powder coated black
	Roof	Powder coated black
Fixing		Surface mounted
Signage		Recycling and Rubbish signs by OEC

5.2 Indoor Bins – BI

5.2.1 Indoor Bin Type A

CODE	SIZE	COMMENTS
BIA1	380L x 380D x 730H 60Ltr	For use in corridors / foyers

Item	Component	Specifications
Construction	Body	Stainless steel Galvanised liner with handles Rubber trim carpet protector
	Lid	Stainless steel
Finish	Body	Satin finish
	Lid	polished
Fixing		Free standing

5.2.2 Indoor Bin Type B

CODE	SIZE	COMMENTS
BIB1	286W x 590D x 600H 60Ltr	For VIP kitchen/ staff room area use as confirmed by OEC

Item	Component	Specifications
Construction		Moulded plastic
Colour		Red (Garbage), Yellow (Recycling), Blue (Paper + Cardboard), Green (Food organics)

5.2.3   Indoor Bin Type C

CODE	SIZE	COMMENTS
BIC1	360W x 300D x 570H (with lid)	For kitchen/staff room spaces only.

Item	Component	Specifications
Construction		Corrugated plastic
Colour		Red (Garbage), Yellow (Recycling)

5.2.4   Indoor Bin Type D

CODE	SIZE	COMMENTS
BID1	100W x 100D x 100H	For all office desks

Item	Component	Specifications
Construction		Corrugated plastic
Colour		Red (Garbage)

6 Shelters

Furniture Item	Descriptor	Abbreviation
Shelters (S)	Umbrella	U
	Bus	B

6.1 Shelter Umbrella - SU

6.1.1 Shelter Umbrella Type A

CODE	SIZE	COMMENTS
SUA1-A	3.8 x 3.8	
SUA1-B	3.8 x 3.8	
SUA1-C	3.8 x 3.8	To be used with Cafe style furniture only
SUA2-A	4.0 x 4.0	
SUA2-B	4.0 x 4.0	
SUA2-C	4.0 x 4.0	
SUA3-A	4.5 x 4.5	
SUA3-B	4.5 x 4.5	
SUA3-C	4.5 x 4.5	

Item	Component	Specifications
Umbrella	Membrane	To manufacturer's specifications
Structure	Design	Centre column Collapsible square canopy To comply with Australian Standards as per manufacturer's advice.
	Finish	To manufacturer's specifications
	Hardware	To manufacturer's specifications
Mounting Options		A- Fix to existing concrete (Suitability of existing concrete to be determined by supplier) B- Pad footing into grass area C- Pier footing Supplier to determine type of mounting and fixing detail.

6.1.2   Shelter Umbrella Type B

CODE	SIZE	COMMENTS
SUB1-A	3.8 x 3.8	
SUB1-B	3.8 x 3.8	
SUB1-C	3.8 x 3.8	Can be used with Cafe or Street Style furniture.
SUB2-A	4.0 x 4.0	
SUB2-B	4.0 x 4.0	
SUB2-C	4.0 x 4.0	
SUB3-A	4.5 x 4.5	
SUB3-B	4.5 x 4.5	
SUB3-C	4.5 x 4.5	

Item	Component	Specifications
Umbrella	Membrane	To manufacturer's specifications
Structure	Design	Cantilever column Collapsible square canopy To comply with Australian Standards as per manufacturer's advice.
	Finish	To manufacturer's specifications
	Hardware	To manufacturer's specifications
Mounting Options		A- Fix to existing concrete (Suitability of existing concrete to be determined by supplier) B- Pad footing into grass area C- Pier footing Supplier to determine type of mounting and fixing detail.

6.1.3   Shelter Umbrella Type C

CODE	SIZE	COMMENTS
SUC1-A	3.8 x 3.8	SUC 1-3 are all comprised of 2 umbrellas and one support. Can be used with Cafe or Street Style furniture.
SUC1-B	3.8 x 3.8	
SUC1-C	3.8 x 3.8	
SUC2-A	4.0 x 4.0	
SUC2-B	4.0 x 4.0	
SUC2-C	4.0 x 4.0	
SUC3-A	4.5 x 4.5	
SUC3-B	4.5 x 4.5	
SUC3-C	4.5 x 4.5	

Item	Component	Specifications
Umbrella	Membrane	To manufacturer's specifications
Structure	Design	Cantilever column Collapsible square canopy To comply with Australian Standards as per manufacturer's advice.
	Finish	To manufacturer's specifications
	Hardware	To manufacturer's specifications
Mounting Options		A- Fix to existing concrete (Suitability of existing concrete to be determined by supplier) B- Pad footing into grass area. C- Pier footing. Supplier to determine type of mounting and fixing detail.

6.2 Shelter Bus - SB

6.2.1   Shelter Bus Type A

CODE	SIZE	COMMENTS
SBA1	2650H x 3550W x 695/1255D	

Item	Component	Specifications
Construction	Frame	Powdercoated aluminium frame – Onyx Pearl (52052) Short approach windbreak and long departure windbreak.
	Roof	Corrugated Colorbond Roof- Windspray (72566)
	Glass	6mm toughened safety glass
	Chequer Plate	Mesh panel- Onyx Pearl (52052)
	Seat	Aluminium slats 2400mm
Fixing		Concealed footing as standard

7 Barbeques

Furniture Item	Descriptor	Abbreviation
Barbeque (B)	Electric	E

7.1 Barbeque - BE

7.1.1   Barbeque Electric Type A

CODE	SIZE	COMMENTS
BEA1	2035L x 750W x 900H	With lid

Item	Component	Specifications
Construction	Cladding	18mm compressed fibre cement backing panels with decorative powdercoated stainless steel fascia panels
Materials	Benchtop	Reinforced 1.2mm stainless steel
	Frame	High strength aluminium extrusion - powder coated Aztec Silver
	Access Doors	1.5mm and 2mm stainless steel- powdercoated
Finish		Aztec Silver
Fixing		Surface Fixing

8 Bollards

Furniture Item	Descriptor	Abbreviation
Bollards (B)	Masonry	M

8.1 Bollard - BM

8.1.1 Bollard Masonry Type A

CODE	SIZE	COMMENTS
BMA1	800Ø x 675H	

Item	Component	Specifications
Materials		32MPa- no mesh
Finish		Light sand blast. Marangaroo Aggregate with off-white cement.
Fixing		Cast pipe 50 nom water pipe 600 long galvanised support directly into concrete base prepared by others. (Installed by Western Sydney University)

9 Drink Bottle Fill Stations

Furniture Item	Descriptor	Abbreviation
Water Bottle Fill Station (W)	Bottle Fill Station	B

9.1 Water Bottle Fill Station - WB

9.1.1 Water Bottle Fill Station Type A

CODE	SIZE	COMMENTS
WBA1	1450H x 265W x 150D	

Item	Component	Specifications
Construction	Housing	Marine grade anodised aluminium unit housing
	Frame	Stainless Steel
	Dispenser	Stainless Steel Anti-Bacterial Bulk Refill Dispenser for bottle refilling each side of unit.
Finish		Changeable panels for signage- To be advised by OEC
Fixing		Refer to *Hydraulic Standards* for drainage detail.
Notes		Water Bottle Fill Station is to be located to provide accessibility in accordance with AS1428 requirements. Provide pavement around station as required. Refer to *Hydraulic Standards* for typical paving setouts.

10 Clothes Line

Furniture Item	Descriptor	Abbreviation
Clothes Line (L)	Manual	M

10.1 Clothes Line - LM

10.1.1 Clothes Line Type A

CODE	SIZE	COMMENTS
LMA1	Frame size: 2400W x 940D	

Item	Component	Specifications
Materials	Housing	Galvanised steel
	Frame	Galvanised steel
Finish		Woodland Grey or Classic Cream
Fixing		Fixed to Wall

10.1.2   Clothes Line Type B

CODE	SIZE	COMMENTS
LMB1	Cabinet size: 800W x 125D	Cabinet ONLY Post not included.

Item	Component	Specifications
Materials	Housing	Galvanised steel
Finish		Classic Cream or Woodland Grey
Fixing		Wall to Wall, Post to Wall or Post to Post