



**BCA** AWARDS  
2021

Recognising Excellence in the Built Environment

**UNIVERSAL DESIGN MARK AWARD**



# CONTENT PAGE

The BCA **Universal Design Mark** is a voluntary certification scheme that promotes and encourages the building industry to adopt Universal Design in their developments. The UD Mark provides recognition to developers and architects who apply a design philosophy that enables everyone – the young, the old and persons with different abilities – to enjoy inclusive living in familiar surroundings with their loved ones. This scheme assess projects at their design stage, facilitating the incorporation of Universal Design at the start of their planning and design development. Completed developments will be accorded a certificate indicating the achievements of one of the four UD Mark ratings: Certified, Gold, Gold<sup>PLUS</sup> or Platinum. For on-going projects, Universal Design Mark ratings will be determined based on the design and indicated as Certified (Design), Gold (Design) or Gold<sup>PLUS</sup> (Design).

## Categories

- Non-Residential (New)
- Non-Residential (Refurbished)
- Residential (New)
- Parks and Public Spaces
- BCA-MSF Universal Design Mark for Family-Friendly Business

# UNIVERSAL DESIGN MARK AWARD

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# CITY SQUARE MALL

**BCA-MSF UNIVERSAL DESIGN MARK FOR FAMILY FRIENDLY BUSINESS – PLATINUM |  
FAMILY FRIENDLY BUSINESS (RENEWAL)**



**OWNER / DEVELOPER**  
City Developments Limited

## KEY FEATURES

- Through its careful selection, the mall ensures a good tenant mix and promotions to cater to the varied needs of families.
- The amenities are useful and convenient, such as spacious nursing rooms with hot water dispensers, complimentary use of baby strollers, kiddy carts, magnifying glass, wheelchairs, sewing kit, thermometer, blood pressure monitor, drinking water, first aid, mobile and tablet charging station.
- The mall strives to upkeep its amenities to provide them with greater comfort, safety and convenience. Shopper feedback as well as competitor research is constantly monitored and carried out for continual improvement so that the facilities and services stay relevant and abreast.
- The customer service team is aided by a detailed standard operating procedure (SOP) document, training and relevant courses to guide them in delivering optimal performance service to shoppers from different walks of life and with diverse needs. The team also takes on roving duties to walk around the mall to identify and spot people in need of help.
- To motivate the customer service teams, deserving staffs are nominated for company's Service Awards as well as EXSA (Retail) Award managed by Singapore Retailers Association and supported by Enterprise Singapore.



# OUTRAM COMMUNITY HOSPITAL

## UNIVERSAL DESIGN MARK – PLATINUM | NON-RESIDENTIAL (NEW)



### **OWNER / DEVELOPER**

Ministry of Health

### **ARCHITECT**

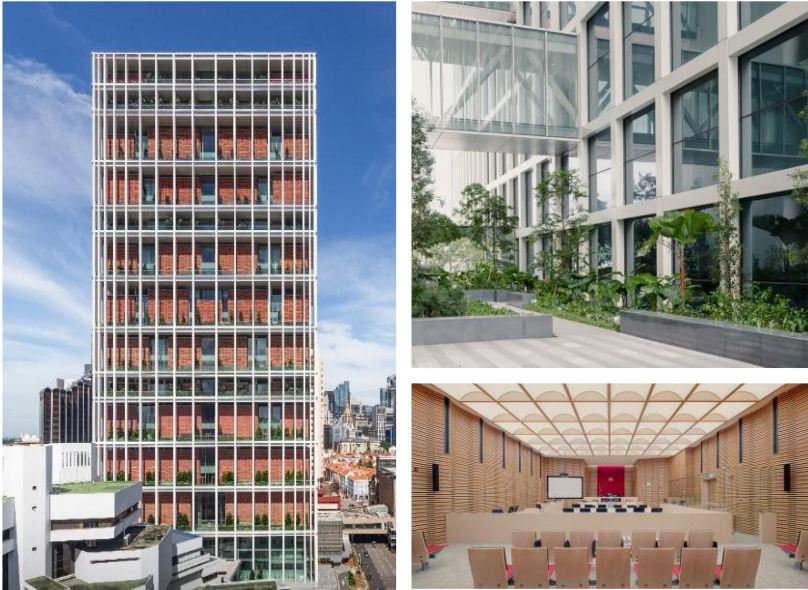
CIAP Architects Pte Ltd

### **KEY FEATURES**

- All entrances to the hospital are accessible with provision of braille and tactile directories at main drop-off areas.
- Colours and graphics are integrated in both interior design and way-finding signage to create an intuitive environment for all users.
- Communal garden with seating provided at different levels and spaces.
- The communal garden at 12<sup>th</sup> storey is designed with integration of rehabilitation facilities for patients.
- A childcare centre is provided in the hospital as an amenity for staff. Other staff amenities such as exercise gym, dance studio and nursing rooms were provided.
- All workstations are height-adjustable to allow a flexible and equitable working environment for healthcare workers with different needs.
- An overhead link bridge with landscaping and seating as well as underground service tunnel were provided to ensure seamless and efficient connectivity between the community hospital and the existing SGH campus.

# STATE COURTS

## UNIVERSAL DESIGN MARK – PLATINUM | NON-RESIDENTIAL (NEW)



Photographs: Front View by Finbarr Fallon; Sky Terrace and Courtroom by Khoogj

### OWNER / DEVELOPER

State Courts, Singapore

### ARCHITECT

CPG Consultants Pte Ltd

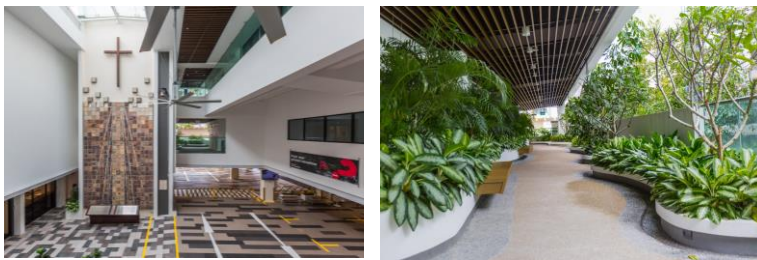
### KEY FEATURES

- From a centralised registry and a business centre to a law library and a pro bono service centre, the State Courts provide integrated services for court users who require assistance with their matters.
- Waiting areas outside courtrooms lead to open sky terraces with pockets of quiet corners for court users who are waiting for their hearings. A sky garden between the two tower blocks provides respite and contemplation space.
- Elder-friendly facilities such as handrails are strategically located. A child-minding area and nursing room are some of the family-friendly facilities available. All courtrooms and chambers are fitted with assistive listening systems.
- Strategic use of technology has paved the way for a future-ready Court. A way-finding app is available for users to locate the facilities they wish to reach while e-info screens inform users of court events. Payment kiosks accepting varied payment modes are strategically located for users' convenience. Courtrooms are well-equipped for the conduct of court hearings by video-conferencing, which also allows vulnerable witnesses to give their statements in another room without having to face the accused.
- A platform lift, ramps with handrails, warning and directional tactile, as well as small ramps for visitors wheeling bulky items, allow all to arrive at the State Courts safely.



# CHURCH OF OUR SAVIOUR

UNIVERSAL DESIGN MARK – GOLD<sup>PLUS</sup> | NON-RESIDENTIAL (REFURBISHED)



## OWNER / DEVELOPER

Church of Our Saviour

## ARCHITECT

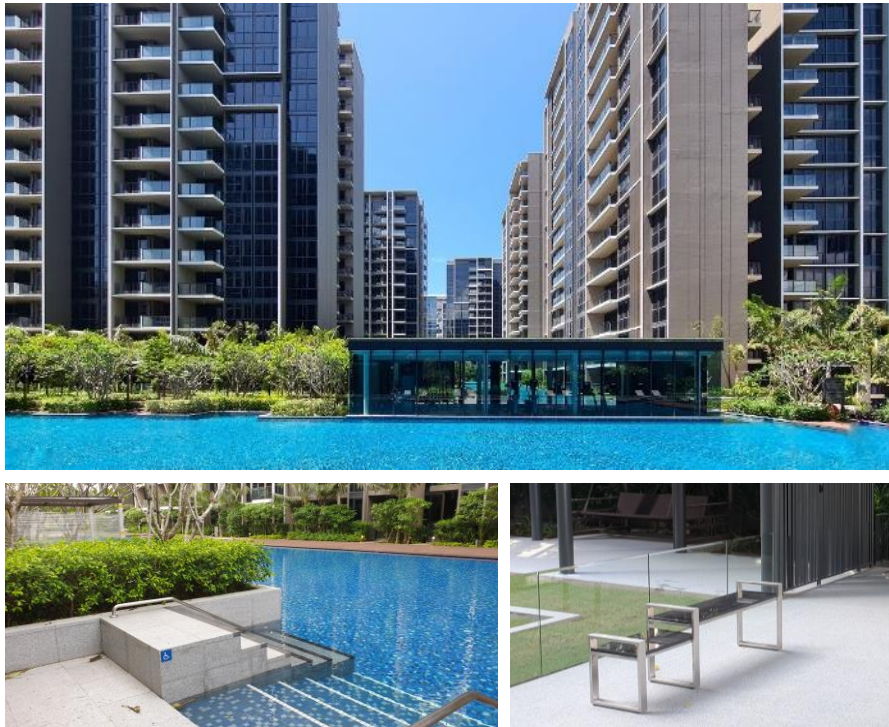
S A Chua Architects Pte Ltd

## KEY FEATURES

- Upgrading works to the existing COOS achieves a seamless, barrier-free circulation that integrates with the new COOS extension to provide better and new facilities to cater for the growing church community and to serve the surrounding community.
- The triple volume Central Atrium is designed as a focal point connecting the existing COOS building and the new extension. The space is located at the main entrance of the existing Auditorium serving as a waiting area between services and fellowship area at the end of each service.
- Horizontally, link bridges, corridors, ramps are provided to connect the existing COOS building and the new extension building seamlessly. In addition, 2 new accessible lifts are provided in the new extension, offering easy access to all parts of the new and existing building.
- Sky terrace with lush landscape around the prayer rooms, church office, multi-purpose hall, roof terrace creates cosy environment for the church members to mingle and interact with one another.
- Rooms and halls are designed to be flexible for various usage. Equipped with sliding, folding partitions, movable furniture, audio-visual, and other supporting facilities, the spaces can be easily converted to suit different events.

# THE TAPESTRY

## UNIVERSAL DESIGN MARK – GOLD<sup>PLUS</sup> | RESIDENTIAL (NEW)



### OWNER / DEVELOPER

Bellevue Properties Pte Ltd

### ARCHITECT

ADDP Architects LLP

### KEY FEATURES

- Recreational facilities are designed in clusters with different themes, acting as focal nodes for orientation. The 50m and 100m swimming pools act as spines linking multiple recreational zones together.
- Various materials, textures and colours enhanced spatial identification and allowed users to better orientate and identify their location within the development.
- Accessible transfer platforms and handrails for steps leading into swimming pools are provided for safe, easy access for wheelchair users and elderly.
- Dual key units promote concept of multi-generational living.
- Designated accessible route starting from pedestrian main entrance leads users to the clubhouse, pool deck and other communal facilities, free from vehicular access routes.
- Provision of 3-Generation fitness corner with other common facilities nearby, such as multi-purpose court, tennis court and pavilions, encourages inter-generational bonding amongst residents.



# TAMPINES GREENWEAVE

## UNIVERSAL DESIGN MARK – GOLD<sup>PLUS</sup> | RESIDENTIAL (NEW)



### OWNER / DEVELOPER

Housing & Development Board

### ARCHITECT

Surbana Jurong Pte. Ltd.

### KEY FEATURES

- Through thoughtful arrangement of the blocks and driveway, the site boundary is kept vehicular-free to facilitate seamless connectivity to adjacent developments.
- A unique feature of the project is the network of elevated walkways that not only provides a safe connection to all the blocks, but also serves as addition communal space for residents to unwind and relax.
- Accessible routes at first storey of the residential blocks are clearly identified by the floor finish while signages are placed at strategic locations to aid in wayfinding.
- Every residential block is fitted with a Community Living Room at the 1<sup>st</sup> storey with different kinds of seats for residents to gather.
- Sky lobbies are distributed throughout the development. These are extensions of the lift lobbies that bring greenery and communal space close to the residents.

# LE QUEST

UNIVERSAL DESIGN MARK – GOLD<sup>PLUS</sup> | RESIDENTIAL & NON-RESIDENTIAL (NEW)



## KEY FEATURES

### RETAIL

- Hybrid of street shopping and mall shopping concept allows residents to shop for basic needs within the ambience and comfort of a mall style shopping.
- Sheltered walkway around the perimeter and connecting to the bus shelter brings easy access for visitors coming by bus.
- Water features invite people into the development by becoming a wet play area for kids, and seats are provided nearby for families to have better supervision of their children play.

### RESIDENTIAL

- 5 residential tower blocks nestle above a landscape deck with facilities such as accessible outdoor pavilion, BBQ pavilion and gym. Reinforced concrete ledges and fins from units on several storeys that formed “living boxes” as part of the residential block facade can act as focal nodes to aid users in orientation.
- Braille Directory at lift lobbies inform residents of their locations. All units enjoy natural ventilation and daylighting that enhances cross-ventilation of rooms.
- 3G(3 generations) concept is adopted in the planning of play and fitness areas.

## OWNER / DEVELOPER

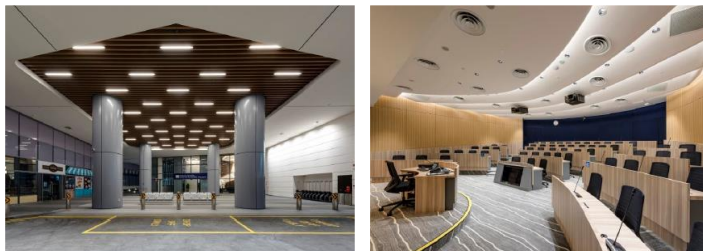
Qingjian Realty (BBR) Pte Ltd & Qingjian Realty (BBC) Pte Ltd

## ARCHITECT

ADDP Architects LLP

# NATIONAL UNIVERSITY CENTRE FOR ORAL HEALTH

## UNIVERSAL DESIGN MARK – GOLD<sup>PLUS</sup> | NON-RESIDENTIAL (NEW)



### OWNER / DEVELOPER

National University Hospital (S) Pte Ltd

### ARCHITECT

architects 61 pte ltd in collaboration with B+H Architects

### KEY FEATURES

- Gardens at the arrival level (Level 1) and Level 5, and Courtyard at Level 9 connect visitors, patients, students and staff to the environment with natural ventilated outdoor spaces
- High volume atrium serves as a designated accessible alighting and boarding bay provided with adequate seating.
- Lecture theatres are accessible and equipped with hearing enhancement systems in creating a quality learning environment.
- Each level is assigned a distinct colour for easy identification and integrated in the signage.
- Provision of facilities that enable persons with special needs to receive dental treatment with ease. For example, bariatric chairs and hoisting aid helps to move immobile patients onto dental chairs for treatment as well as wheelchair tilting system allows dental team to treat patients in their wheelchairs without the need to transfer to dental chairs.
- Space optimization with the design of open operatory without compromising clinical and maintenance efficiency as well as effectiveness.



# FOREST WOODS

## UNIVERSAL DESIGN MARK – GOLD<sup>PLUS</sup> | RESIDENTIAL (NEW)



### OWNER / DEVELOPER

Serangoon Green Pte Ltd

### ARCHITECT

DCA Architects Pte Ltd

### KEY FEATURES

- Prominent Welcome Lobby acts as a key orientating feature for pedestrian users and is located away from the vehicular ingress/egress point. A residential host is stationed within the Welcome Lobby to provide assistance to users where required.
- Development promotes multi-generational living, with a good mix of unit types on all floors from 1 to 5 bedroom units.
- 3G facilities provided promotes inter-generational bonding, and the locations allow for cross-generational interactions and supervision.
- Flexibility in space usage within apartments allow residents to customise the layout to suite their versatile and dynamic lifestyles.
- Toilet directories have braille.

# NATIONAL ORCHID GARDEN

UNIVERSAL DESIGN MARK – GOLD<sup>PLUS</sup> | PARK & OPEN SPACES (NEW)



## OWNER / DEVELOPER

National Parks Board

## ARCHITECT

CPG Consultants Pte Ltd

## KEY FEATURES

- Plants are carefully selected by colours, size and scent to stimulate visitors' senses. Fragrance from orchids and a series of water elements connecting the attractions enhance the experience and aid in wayfinding.
- Pathways are seamless to facilitate the accessibility of visitors of diverse needs and ability. Material used for pathways are varied in textures and colours to enhance safety.
- The Burkill Hall Outhouse is provided with an amenities block consisting of a family-friendly restroom, lactation room, adult changing station, child protection seats, baby changing stations and elder-friendly, child-friendly and family-friendly amenities such as sanitary facilities, lockers and drinking fountains. Rest areas and benches with arm rests are available throughout the Garden.
- The Garden is accessible by wheelchairs and strollers. Wheelchairs are available for loan at the ticket counter. Brochure maps are available online and at the ticket counter with recommended route for persons with disabilities and family with young children and elderly persons. Key signage and handrails are provided with braille to aid in wayfinding for persons with visual impairment.



# ACTIVE GARDEN at Gardens by the Bay

## UNIVERSAL DESIGN MARK – GOLD<sup>PLUS</sup> | PARK & OPEN SPACES (NEW)



### KEY FEATURES

- The garden provides inclusive facilities for family activities such as physical exercise equipment for adults and seniors, large musical instruments for use by all, as well as sufficient spaces to facilitate family activities. Family-friendly provisions like the family restroom, nursing room, drinking fountain and lockers are also provided.
- The garden supports community-based activities and events for all. These activities can be conducted at the natural ventilated event plaza and the air-conditioned Activity Rooms. Community gardening for all is achieved by placing planter boxes at different heights so that the Community Garden can be enjoyed by everyone.
- Seamless routes within the garden are designed with focal points and markers for intuitive wayfinding. Wheelchair and pram parking spaces are located next to the seats along these routes.
- Wheelchair accessible shuttle services are available to ferry visitors from the Bayfront MRT Station / Bayfront Car Park to drop off at the Active Garden.
- For the cyclists, the waterfront promenade next to Active Garden has wide cycling paths and bicycle parking lots for cyclists to park and drop in to enjoy the garden

### OWNER / DEVELOPER

Gardens by the Bay

### ARCHITECT

SD Architects & Associates Pte Ltd



# YIO CHU KANG BUS INTERCHANGE

## UNIVERSAL DESIGN MARK – GOLD | NON-RESIDENTIAL (NEW)



### OWNER / DEVELOPER

Land Transport Authority

### ARCHITECT

Shing Design Atelier Pte Ltd

### KEY FEATURES

- A comprehensive and user-friendly signage system is provided complete with cognitive-friendly pictograms.
- The use of textures and colours on the floor and ceiling help commuters identify the waiting and seating areas.
- Commuters are provided with choices at waiting areas in the form of queue-rail, bum-rest or priority seats for the less ambulant.
- Provision of wheelchair-boarding bus service display system that can be activated by wheelchair-bound commuters at waiting areas to inform bus captains to prepare their bus for boarding by commuters on wheelchairs.
- Supporting facilities relevant to public transport commuters, such as covered and accessible pedestrian routes, bicycle-park, service counters, toilets, nursing room, quiet room, canteen, ticketing areas, Wi-Fi, mobile charging stations, ATMs, seats, are elder and family-friendly, including persons with disability.

# JURONG EAST BUS INTERCHANGE

## UNIVERSAL DESIGN MARK – GOLD | NON-RESIDENTIAL (NEW)



**OWNER / DEVELOPER**  
Land Transport Authority

**ARCHITECT**  
DP Architects Pte Ltd

### KEY FEATURES

- Connectivity between existing urban and transport nodes was achieved via a new sheltered pedestrian overhead bridge lined with resting areas catered for seniors and fully safe from any vehicular traffic activity.
- Four main zones were clearly identified and housed under a single roof, ensuring spatial legibility and allowing intuitive circulation of commuters even for first-time users.
- All boarding/alighting berths are equipped with Priority Queue Zones, Braille Indicators and Reserved Seating Areas, mitigating potential overcrowding while providing a holistic environment for all commuters.
- The project is equipped with a calm and welcoming nursing room, setting a precedence for future public transport systems to be more inclusive for travelling parents or caregivers with babies and young children.
- Responding to the global COVID-19 pandemic situation which has swept across the world, the bus operators have introduced a QR code system to allow commuters to refer to a digital Bus Service Guide system, minimizing touch surfaces and preventing the spread of virus.



# CLEMENTI CREST

## UNIVERSAL DESIGN MARK – GOLD | RESIDENTIAL (NEW)



### OWNER / DEVELOPER

Housing & Development Board

### ARCHITECT

P & T Consultants Pte Ltd

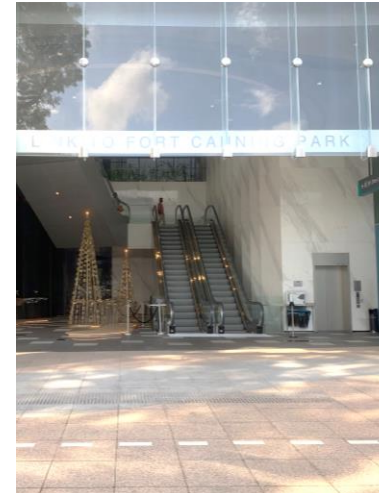
### KEY FEATURES

- Colour scheme of the blocks used colours similar to the surrounding blocks to give them an identity that makes them part of the same 'family'.
- Seamless integration of barrier free pedestrian walkways from Clementi Town Center to the adjacent precincts, in spite of existing level differences.
- Link bridges at 9<sup>th</sup> storey allowed interconnectivity between blocks and also provide a means of alternate access for the residents.
- Visual cues for wayfinding in the form of directional signage painted on the wall, accentuated feature walls, colour coded walls at Multi-Storey Car Park (MSCP) decks and textured floor finishes.
- Customized playground well-shaded with trellis provided play equipment suitable for children of 2-5 years age.
- Community garden space at Multi-Storey Car Park (MSCP) roof deck provided planters with different configuration of heights, to cater to the elderly and wheelchair users.



# 9 PENANG ROAD

## UNIVERSAL DESIGN MARK – CERTIFIED | NON-RESIDENTIAL (NEW)



### **OWNER / DEVELOPER**

Park Mall Pte Ltd

### **ARCHITECT**

P & T Consultants Pte Ltd

### **KEY FEATURES**

- The proposed elevated through-block pedestrian link and covered linkway (from ground level to 2nd storey) improved the permeability and pedestrian connectivity between Penang Road and Fort Canning via accessible lifts, escalator and ramps.
- Full height glass façade brings about visual connectivity between the indoor and outdoor and provides view from the building interior to the greenery outside.
- Seamless urban connectivity are provided through future underground pedestrian link to Dhoby Ghaut MRT station via knock-out panels provided in the basement.
- Knock-out panels are provided at each level of office for future inter-floor connectivity.

# UNIVERSAL DESIGN MARK AWARD

## GOLD<sup>PLUS</sup> (DESIGN)

### PROJECT NAME

### CATEGORY

### OWNER / DEVELOPER / ARCHITECT

19 Nassim

Residential (New)

#### **OWNER / DEVELOPER**

Keppel Land (Singapore) Pte Ltd

#### **ARCHITECT**

SCDA Architects Pte Ltd

Proposed Erection of a Part 16-Storey, Part 7-Storey Block Over a Basement Carpark & Additions and Alterations to Existing BCA Academy on LOT 17820X MK 18 at 200 Braddell Road (Bishan Planning Area)

Non-Residential (New)

#### **OWNER / DEVELOPER**

Building and Construction Authority

#### **ARCHITECT**

ADDP Architects LLP

Changi Airport Terminal 2 Expansion

Non-Residential (New)

#### **OWNER / DEVELOPER**

Changi Airport Group (Singapore ) Pte Ltd

#### **ARCHITECT**

RSP Architects Planners & Engineers (Pte) Ltd

# UNIVERSAL DESIGN MARK AWARD

## GOLD<sup>PLUS</sup> (DESIGN)

PROJECT NAME	CATEGORY	OWNER / DEVELOPER / ARCHITECT
Mandai Rejuvenation (East node & indoor attractions)	Non-Residential (New)	<b>OWNER / DEVELOPER</b> Mandai Park Development Pte Ltd <b>ARCHITECT</b> RSP Architects Planners & Engineers (Pte) Ltd
Fernvale Community Club, Hawker Centre & Market	Non-Residential (New)	<b>OWNER / DEVELOPER</b> People's Association <b>ARCHITECT</b> AGA Architects Pte Ltd
Bukit Canberra	Non-Residential (New)	<b>OWNER / DEVELOPER</b> Sport Singapore <b>ARCHITECT</b> DP Architects Pte Ltd



# UNIVERSAL DESIGN MARK AWARD

## GOLD<sup>PLUS</sup> (DESIGN)

### PROJECT NAME

### CATEGORY

### OWNER / DEVELOPER / ARCHITECT

Mandai Rejuvenation (Mandai resort)

Non-Residential (New)

#### **OWNER / DEVELOPER**

Mandai Park Development Pte Ltd

#### **ARCHITECT**

WOW Architects Pte Ltd

Bulim Square

Non-Residential (New)

#### **OWNER / DEVELOPER**

JTC Corporation

#### **ARCHITECT**

SAA Architects Pte Ltd

# UNIVERSAL DESIGN MARK AWARD

## GOLD (DESIGN)

PROJECT NAME	CATEGORY	OWNER / DEVELOPER / ARCHITECT
Amber Park	Residential (New)	<b>OWNER / DEVELOPER</b> Aquarius Properties Pte Ltd (JV Between City Developments Limited and Hong Realty Pte Ltd) <b>ARCHITECT</b> SCDA Architects Pte Ltd
Jadescape	Residential (New)	<b>OWNER / DEVELOPER</b> Qingjian Realty (Marymount) Pte Ltd <b>ARCHITECT</b> ONG&ONG Pte Ltd
Parc Clematis	Residential (New)	<b>OWNER / DEVELOPER</b> Sing-Haiyi Gold Pte Ltd <b>ARCHITECT</b> P & T Consultants Pte Ltd

# UNIVERSAL DESIGN MARK AWARD

## GOLD (DESIGN)

### PROJECT NAME

### CATEGORY

### OWNER / DEVELOPER / ARCHITECT

Tanglin Trust School Gate C Building

Non-Residential (New)

**OWNER / DEVELOPER**

Tanglin Trust School

**ARCHITECT**

P & T Consultants Pte Ltd

lyf one-north Singapore

Non-Residential (New)

**OWNER / DEVELOPER**

Ascott Residence Trust

**ARCHITECT**

WOHA Architects Pte Ltd

IOI Central Boulevard Towers

Non-Residential (New)

**OWNER / DEVELOPER**

Wealthy Link Pte. Ltd.

**ARCHITECT**

architects 61 pte ltd



# UNIVERSAL DESIGN MARK AWARD

## GOLD (DESIGN)



### PROJECT NAME

Pasir-Ris Interim Bus Interchange

### CATEGORY

Non-Residential  
(Refurbished)

### OWNER / DEVELOPER / ARCHITECT

**OWNER / DEVELOPER**  
Land Transport Authority

**ARCHITECT**  
AGA Architects Pte Ltd

Organiser



An Initiative Under

