

Architectural Checklist For Pedestrian Underpass

(✓) Tick the appropriate box for all items

Standard Requirements		Complied	Not Complied	Remarks
1. General				
1.1	All underpasses shall be accessible to the public at all times unless particularly identified otherwise.	<input type="checkbox"/>	<input type="checkbox"/>	
1.2	Underpasses connecting to building complexes shall have separate access to the road reserve.	<input type="checkbox"/>	<input type="checkbox"/>	
2. References				
2.1	All traffic signs shall comply with Traffic Management (TM) requirements.	<input type="checkbox"/>	<input type="checkbox"/>	
2.2	E&M provisions shall comply with Commuter Facilities E&M Design Requirements (ADC Section 4.2).	<input type="checkbox"/>	<input type="checkbox"/>	
2.3	Vehicular impact guardrail structure and anti-climbing railings shall be provided in accordance with the "LTA Standard Details of Road Elements". Other appropriate safety barriers may be provided as determined by site conditions.	<input type="checkbox"/>	<input type="checkbox"/>	
2.4	Ramp, staircase, handrail and tactile tile provisions shall comply with the prevailing Code On Accessibility In The Built Environment.	<input type="checkbox"/>	<input type="checkbox"/>	
2.5	All materials and finishes shall comply with the Architectural Materials and Workmanship (M&W) Specifications.	<input type="checkbox"/>	<input type="checkbox"/>	
2.6	a) Tile floor finish shall be provided to all underpasses unless otherwise stated. The tile floor finish shall comply with the Floor Finishes Checklist (ADC Section 6.3).	<input type="checkbox"/>	<input type="checkbox"/>	
	b) Floor finish on sloped area shall be rough textured finish.	<input type="checkbox"/>	<input type="checkbox"/>	
	c) Wall tiles, with smooth finish for easy maintenance, shall be provided to walls of underpass.	<input type="checkbox"/>	<input type="checkbox"/>	
2.7	All arrangements for flood protection shall comply with requirements of PUB (Drainage). The height of all openings shall be considered including vent openings.	<input type="checkbox"/>	<input type="checkbox"/>	
3. Detailing				
3.1	a) All pedestrian railings shall be stainless steel Grade 316 at 0.9m high.	<input type="checkbox"/>	<input type="checkbox"/>	
	b) Child handrail shall be provided continuously along the staircase and ramp at 0.7m high from the tread and ramp.	<input type="checkbox"/>	<input type="checkbox"/>	
3.2	The direction of surface drainage shall be indicated on the floor plan and roof plan.	<input type="checkbox"/>	<input type="checkbox"/>	
3.3	The entrance shelter shall provide adequate weather protection.	<input type="checkbox"/>	<input type="checkbox"/>	

(✓) Tick the appropriate box for all items

Standard Requirements	Complied	Not Complied	Remarks
3.4 a) The drainage design shall not allow ponding on the floor and also to prevent water from flowing into the underpass. b) The drainage design of the entrance roof shall not allow stagnation and splashing into the commuters' sheltered area.	<input type="checkbox"/>	<input type="checkbox"/>	
3.5 The lateral clearance between the outer edge of the road kerb and any element shall be minimum 0.6m.	<input type="checkbox"/>	<input type="checkbox"/>	
3.6 Polycarbonate, glass, metal roman tiles, clay tiles or teflon shall not be used for the roof material.	<input type="checkbox"/>	<input type="checkbox"/>	
3.7 a) Underpasses connecting to MRT stations or with shops along one side shall have: - Minimum clear width – 6.0m - Minimum ceiling height – 3.0m - Minimum headroom – 2.4m b) Underpasses with shops along both sides shall have: - Minimum clear width – 7.0m - Minimum ceiling height – 3.0m - Minimum headroom – 2.4m c) All other underpasses shall have : - Minimum clear width – 4.5m - Minimum ceiling height – 3.0m - Minimum headroom – 2.4m	<input type="checkbox"/>	<input type="checkbox"/>	
3.8 The passageway of the underpass shall be levelled as far as possible. Any difference in level shall be addressed by ramps. Steps are not permitted within the underpass.	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 All services shall be concealed.	<input type="checkbox"/>	<input type="checkbox"/>	
4. Interfaces			
4.1 Road reserve line is to be indicated on the plans, elevations and sections.	<input type="checkbox"/>	<input type="checkbox"/>	
4.2 The design of the interface between the entrance structure and the adjacent facility shall prevent rainwater from flowing & splashing onto the commuters' sheltered area.	<input type="checkbox"/>	<input type="checkbox"/>	

Notes:

- All compliances are to be clearly reflected in the drawings.
- The QP shall state the reasons for all non-compliances in the 'Remarks' column.

 Name Of Qualified Person

 Signature Of Qualified Person

 Date