

AquaPlay Multi-Slide Complex

4-ANGLE ELEVATION & ISOMETRIC ARCHITECTURAL DRAWINGS

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Scale: 1:100 @ A4
Status: Approved Specification



Slide Component Legend

Component Name	Color Identifier	Slide Type	Safety Zone Clearance
Spiral Slide	Open Blue	Open-Flume Helical Slide	2,000 mm Radius
Barrel-Roll Slide	Closed Magenta	Enclosed Tube Slide	1,500 mm Radius
Tunnel Fit Slide	Yellow Tube	Semicircular Covered Slide	1,500 mm Radius
Green Exit Slide	Curved Green	Low-Velocity Exit Flume	2,500 mm Exit Runout

Technical Specifications & Layout

STRUCTURAL STANDARDS & INSTALLATION PARAMETERS

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Section: Structural Data

Elevational Orientations & Structural Features

NORTH ELEVATION (LEFT SIDE)

- Main Tower Elevation:** Access via central staircase platform.
- Primary Feature:** Blue open spiral slide with multiple bank turns.
- Top Feature:** Tipping bucket splash barrel atop primary tower.

EAST ELEVATION (BACK VIEW)

- Rear Access:** Secondary stairwell and support column matrix.
- Tube Routing:** Enclosed magenta barrel tube crossing behind main tower.
- Foundation Footing:** Submerged concrete anchor pylons.

SOUTH ELEVATION (RIGHT SIDE)

- Exit Flume:** Green curved exit slide discharging into shallow basin.
- Secondary Tower:** Lower deck platform with decorative canopy.
- Deck Height:** Dual-tier platform design (2.4m and 3.8m).

SOUTH-WEST ISOMETRIC VIEW

- 3D Spatial Layout:** Comprehensive pool basin integration view.
- Water Distribution:** Integrated overhead sprinklers & decorative elements.
- Pool Clearance:** Minimum 300mm water depth operating area.

General Engineering Requirements

Parameter	Specification Standard	Notes
Primary Material	FRP (Fiberglass Reinforced Plastic) & Hot-Dip Galvanized Steel	UV and chlorine resistant coating
Structure Footprint	10,000 mm × 10,000 mm (10m × 10m Box)	Excludes splash-down buffer zone
Water Supply Flow Rate	120 m³/h continuous circulation	Dedicated filtration loop required
Max Occupancy Capacity	12 Children simultaneously (30–60 kg range)	ASTM F2376 Water Slide Safety compliant

Design Compliance Notice: All dimensions shown on drawings are in millimeters (mm) unless noted otherwise. Installation must conform to local municipal playground safety standards and aquatic facility engineering protocols.