



All 3D renders shown are for illustration purposes only. Actual colors, textures and finishes may differ from renders.
Waterslide finish shown in Classic



All 3D renders shown are for illustration purposes only. Actual colors, textures and finishes may differ from renders.

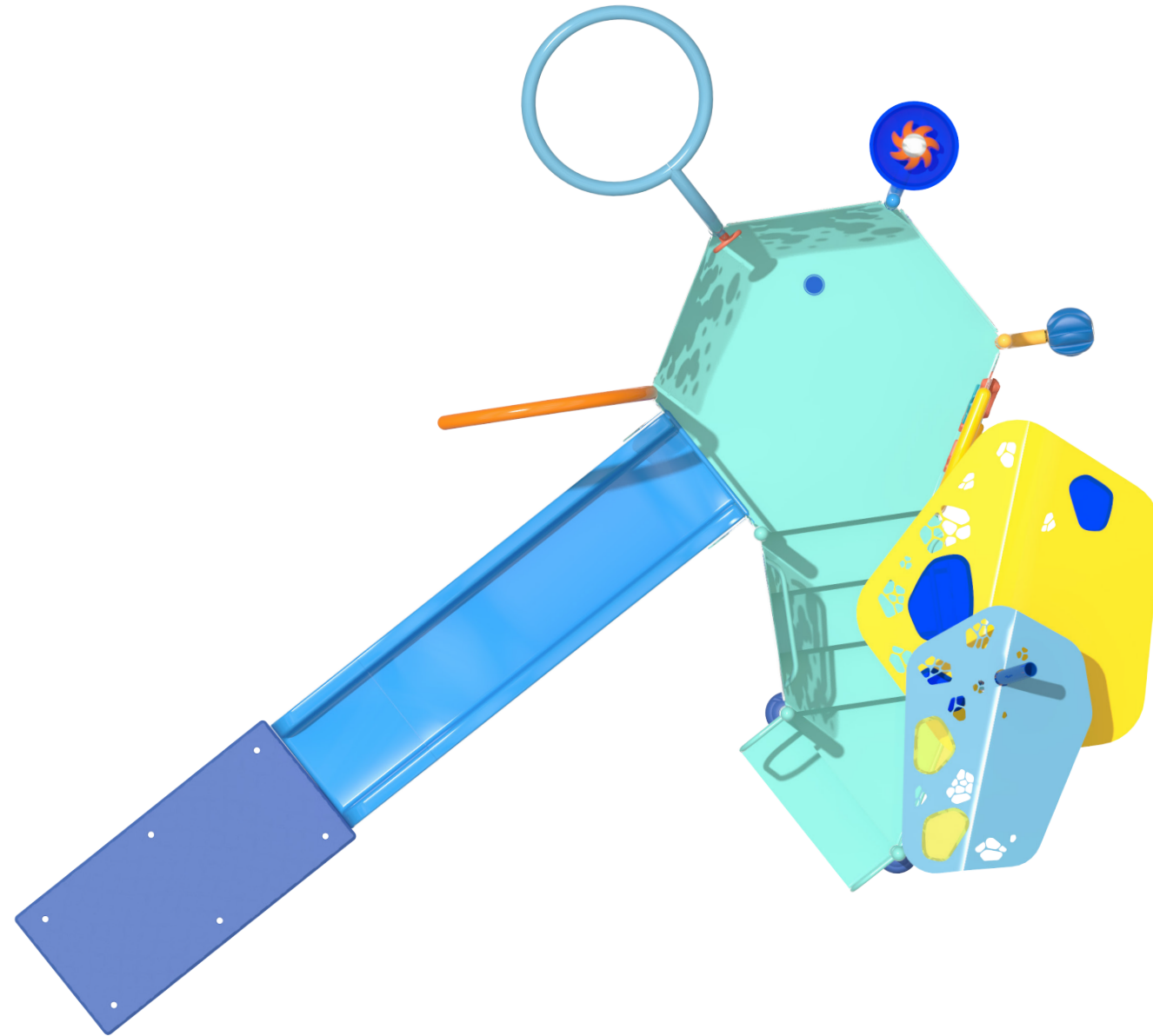
Waterslide finish shown in Classic



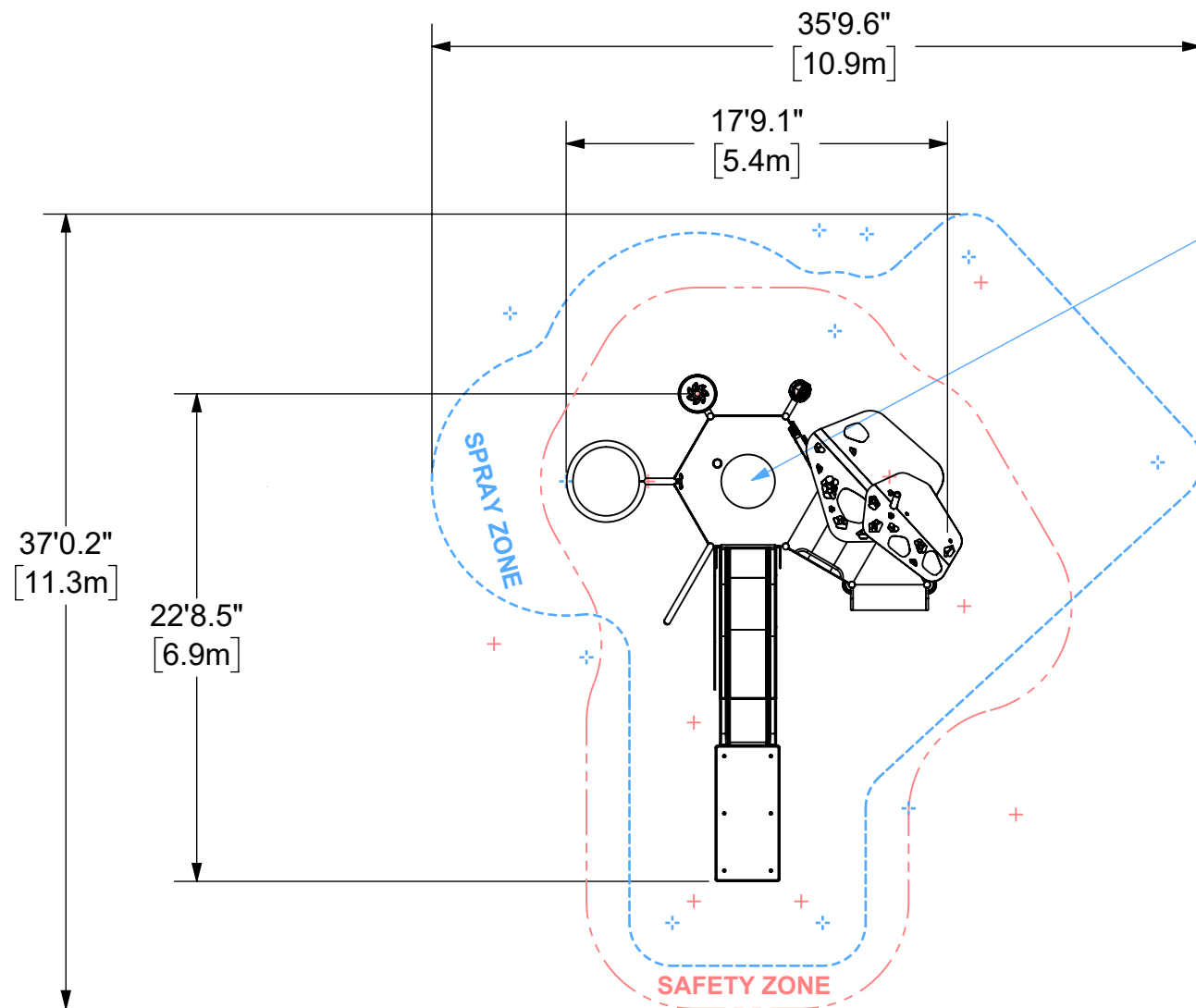
All 3D renders shown are for illustration purposes only. Actual colors, textures and finishes may differ from renders.
Waterslide finish shown in Classic



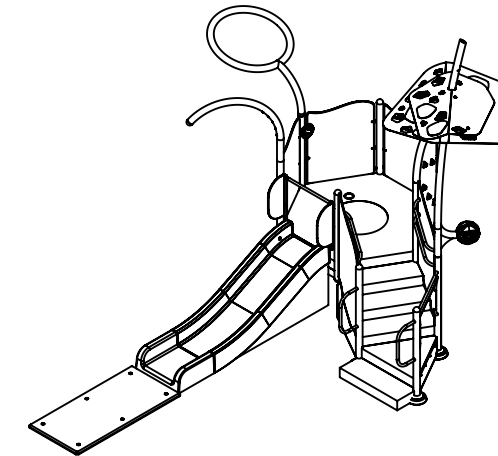
All 3D renders shown are for illustration purposes only. Actual colors, textures and finishes may differ from renders.
Waterslide finish shown in Classic



- 7 Free-play water experiences
 - 6 are accessible at ground level
 - 3 are accessible at deck level
 - 1 Iconic Water Canopy
 - 1 Signature play experiences (Water Maze)
- 1 Waterslide (Kiddie Racer)
- ✓ Uniquely designed for the 2-5 age group
- ✓ ADA Accessible (ADA entry, double handrails, 6" step-ups)



PLAYNUK LEGEND
 Water feed=1 (4" PVC stub up)
 Decks =2
 Water play features=7
 Water slide=1



Notes:

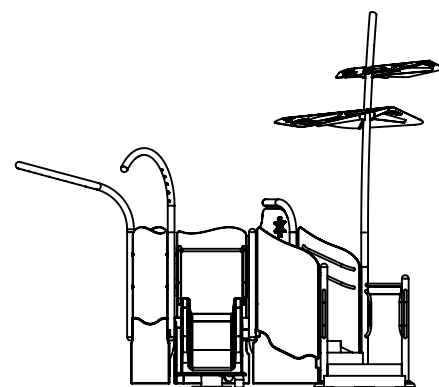
- Spray free area (buffer zone) should be considered around product sprayzone
- Thickened reinforced concrete slab required under structure
- Deck monopost require concrete pier and reinforced footing

1. GENERAL NOTES:

- Other slide exit options may be available - consult your sales representative for details.
- Structure adaptation may be required for slope floors (more than 4%), fees may apply.

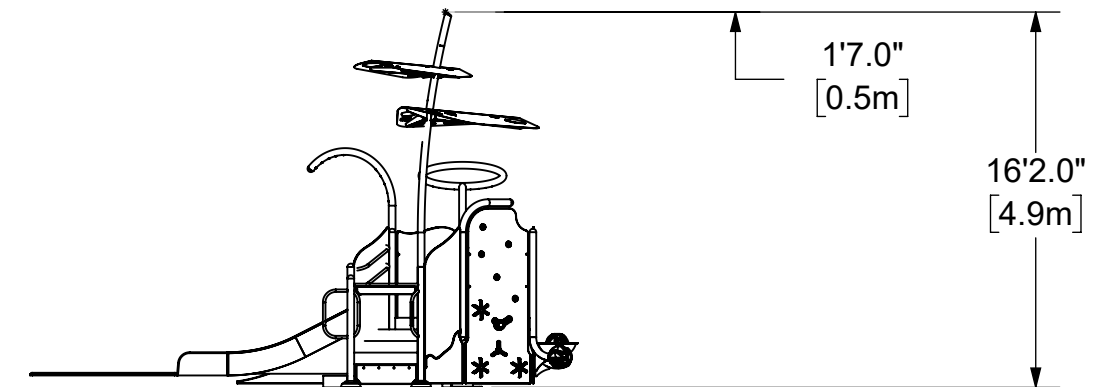
2. POOL NOTES:

- Recommended MINIMUM pool water depth at landing may slide exit = 6" (15cm)
- Recommended MAXIMUM pool water depth at PlayNuk entrance and runout locations = 10" (25cm).



Minimum User Height for waterslide(s): 36" [0.91m]

Minimum clearance required from ceiling = 1'-7" (0.5m)



PRELIMINARY - NOT FOR CONSTRUCTION

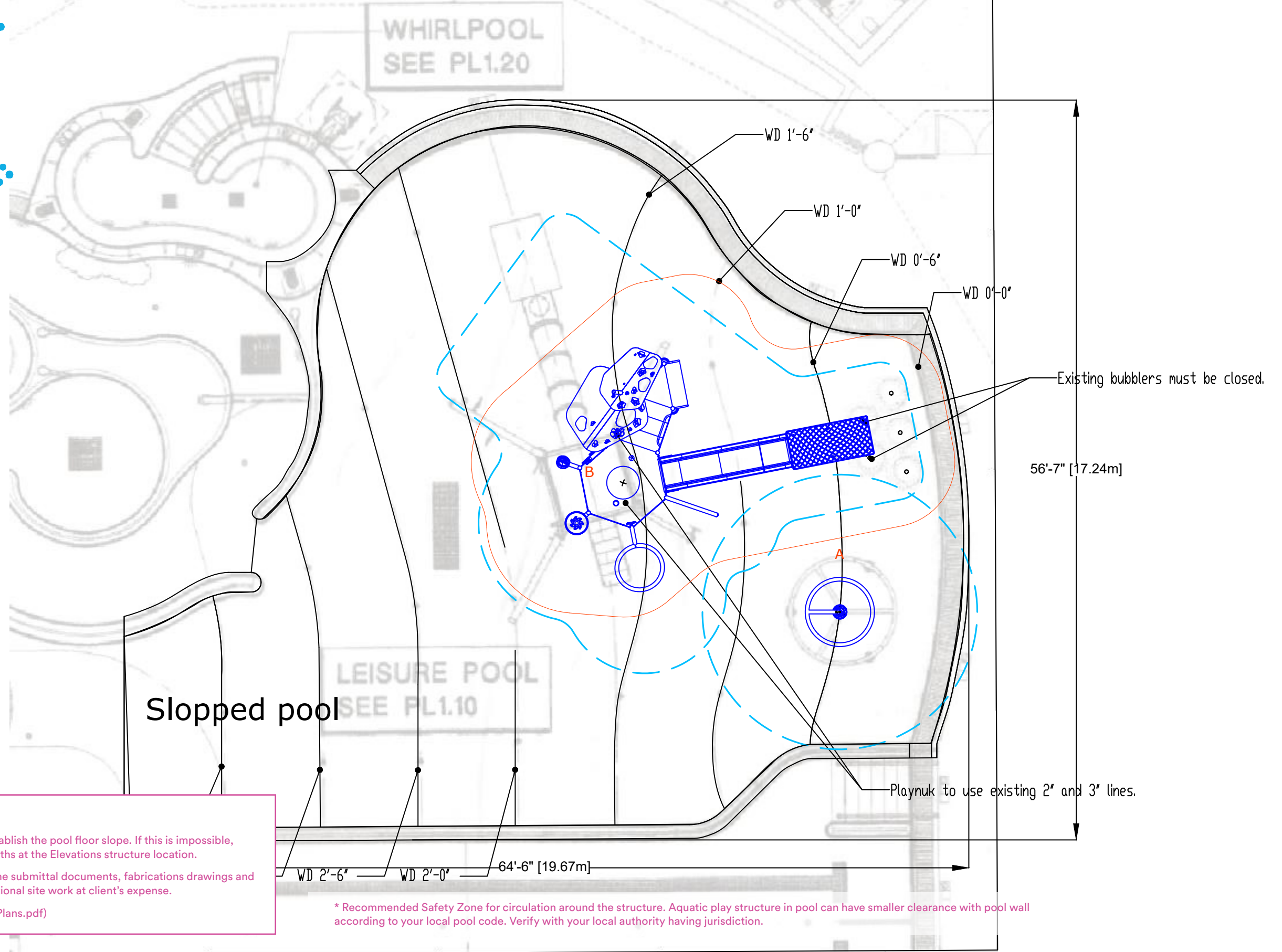
THE DIMENSIONS CONTAINED HERE IN ARE A RESULT OF INITIAL SITE INFORMATION THAT WAS PROVIDED DURING THE PRELIMINARY DESIGN PROCESS. WHILE EVERY ATTEMPT HAS BEEN MADE TO ASSURE ACCURACY, FINAL CONSTRUCTION DRAWING DIMENSIONS MAY VARY.

SPLASHPAD DIMENSION

TOTAL AREA : 2431 ft² 226 m²
 SPRAY AREA : 2431 ft² 226 m²
 GRID SIZE : 10 x 10ft 3 x 3m

PRODUCT LEGEND

REF	PRODUCT	QTY	GPM	LPM
A	Astra N°3 VOR 7699	1	17.5	66.2
B	EPN-02P01 Playnuk (landing mat)	1	191	722.9
TOTAL		2	208.5	789.1



IMPORTANT

Client to provide Vortex with CAD and/or "As Built" drawings to establish the pool floor slope. If this is impossible, client will need to provide site dimensions that identify various depths at the Elevations structure location.

Failure to provide this information will cause delays in completing the submittal documents, fabrications drawings and may delay product delivery. Inaccurate information may cause additional site work at client's expense.

This proposal was made using CAD file: (ARC Natatorium Building Plans.pdf)

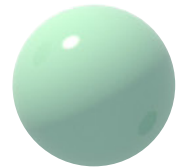
* Recommended Safety Zone for circulation around the structure. Aquatic play structure in pool can have smaller clearance with pool wall according to your local pool code. Verify with your local authority having jurisdiction.

 Choose one of the following color moods*:

Mood 1 Modified with custom graphics 

Cool colors that inspire a high seas adventure. Create an aquatic odyssey for young swashbucklers.

Fiberglass Deck & Entry Posts



Coral Green
RAL 6027

Fiberglass Slides



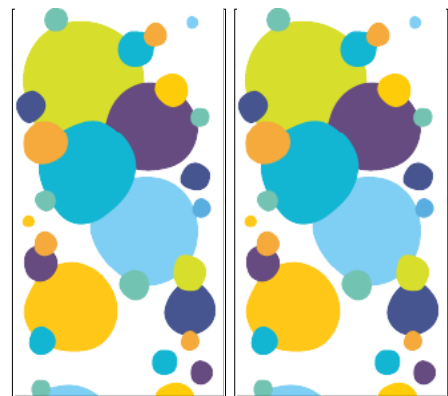
Sky Blue RAL 5012 Pastel Blue RAL 5024 Mint Green RAL 6019

Paint Colors



Sky Blue RAL 5012 Pastel Blue RAL 5024 Mint Green RAL 6019 Saffron RAL 1017 Yellow RAL 1023 Orange RAL 2011

CUSTOM BARRIERS



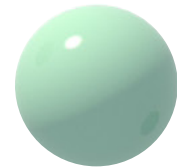
Water Maze Panel



Mood 2 

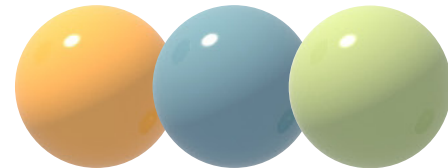
A neutral palette that leaves lots of room for imagination. Complement your modern, urban setting.

Fiberglass Deck & Entry Posts



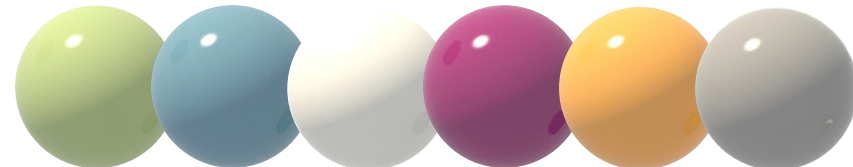
Coral Green
RAL 6027

Fiberglass Slides



Saffron RAL 1017 Pastel Blue RAL 5024 Mint Green RAL 6019

Paint Colors

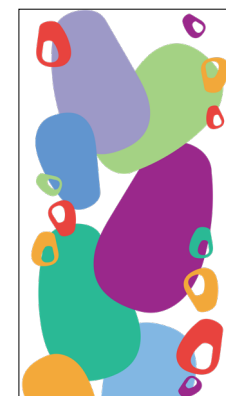


Mint Green RAL 6019 Pastel Blue RAL 5024 White RAL 9003 Fuchsia RAL 4006 Saffron RAL 1017 Grey RAL 7040

Transparent Graphic Barriers



Water Maze Panel



Mood 3 

Lush colors that evoke different landscapes: from mysterious jungles to sprawling deserts.

Fiberglass Deck & Entry Posts



Coral Green
RAL 6027

Fiberglass Slides



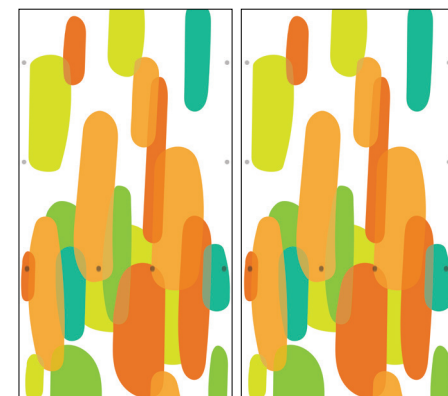
Saffron RAL 1017 Green RAL 6018 Mint Green RAL 6019

Paint Colors

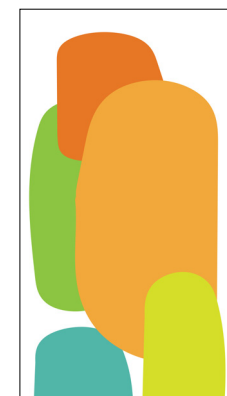


Fern Green RAL 6025 Green RAL 6018 Mint Green RAL 6019 Saffron RAL 1017 Orange RAL 2011 Beige RAL 1015

Transparent Graphic Barriers



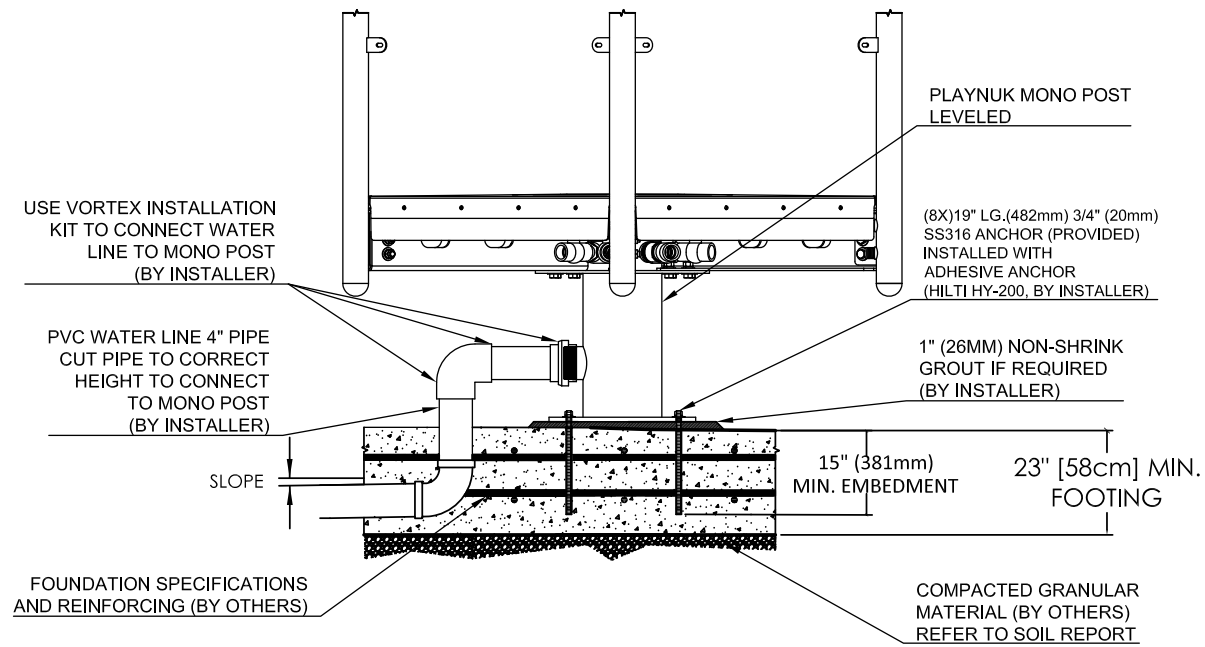
Water Maze Panel



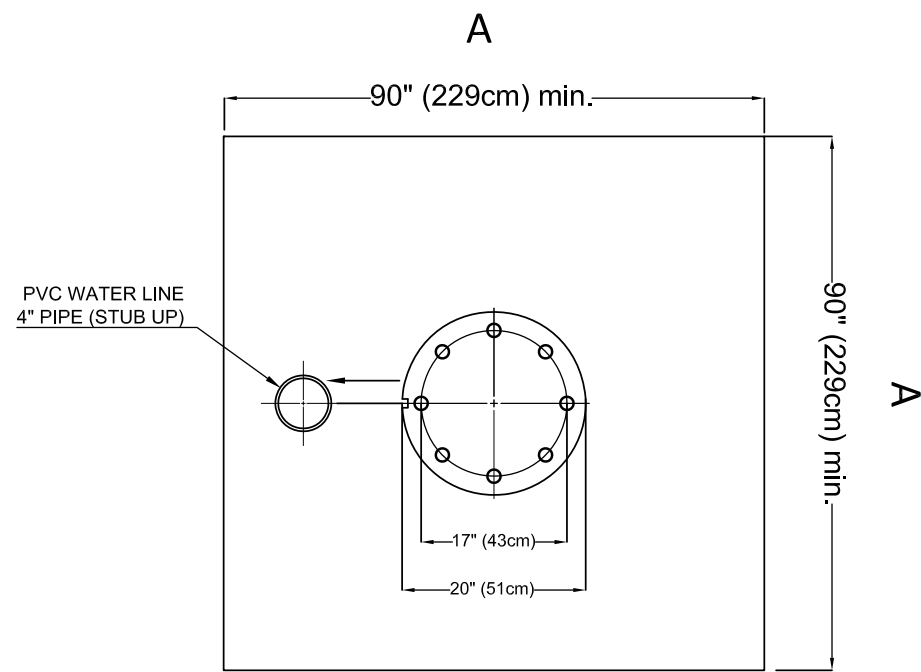
* Custom color moods & barriers graphics available upon request. Fees may apply.

GENERAL SPECIFICATIONS:

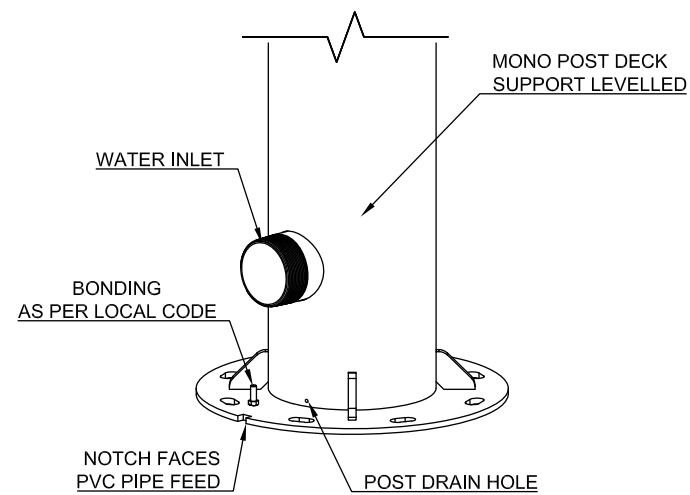
1. THESE DETAILS ARE GENERIC AND PROVIDE AN OVERVIEW OF THE SCOPE OF WORK DURING CONSTRUCTION/INSTALLATION. REFER TO THE PROJECT FINAL INSTALLATION DRAWINGS FOR INFORMATION SPECIFIC TO YOUR PROJECT.
2. DESIGN OF CONCRETE SLAB, BY OTHERS. WE RECOMMEND AS A MINIMUM:
 - 20" (508mm) MIN. THICKENED REINFORCED CONCRETE SLAB (U.N.O.) MIN. THICKNESS IS DEPENDANT ON MIN. ANCHOR EMBEDMENT REQUIRED AT MONOPOST LOCATION.
 - 10" (254mm) MIN. THICKENED REINFORCED CONCRETE SLAB (U.N.O.) MIN THICKNESS IS DEPENDANT ON MIN. ANCHOR EMBEDMENT REQUIRED AT OTHER POSTS LOCATION.
 - UNDER PLAYNUK DECKS OFFSET OF 12" (300mm) FROM DECK EDGE
 - REINFORCED WITH #5 (15M) REBAR @ 12" (300mm) C/C BOTH WAYS
 - MIN. CONCRETE STRENGTH $f'c = 3600\text{psi}$ (25Mpa) @ 28 DAYS
 - AIR-ENTRAINED CONCRETE (IN REGIONS SUBJECTED TO FREEZE & THAW)
 - VERIFY LOCAL CODES AND STANDARDS FOR OTHER LOCAL REQUIREMENTS
3. FOR FURTHER DETAILS AND INFORMATION, REFER TO THE INSTALLATION, OPERATION, AND MAINTENANCE MANUALS.



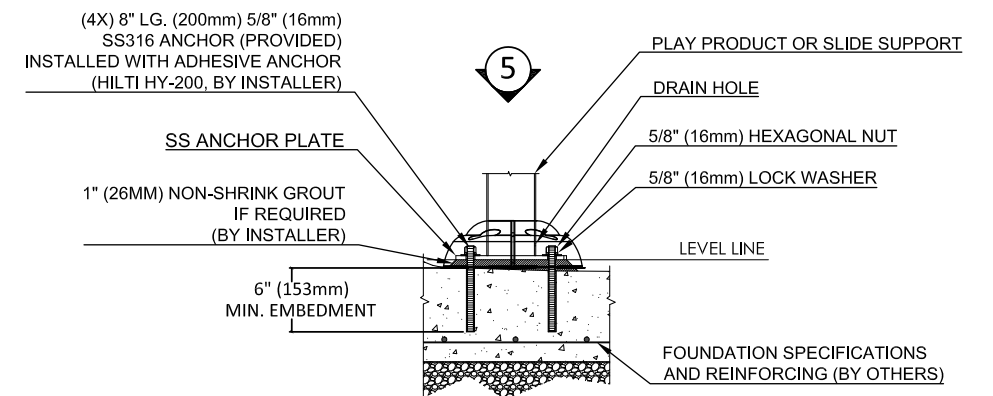
1 TYP. MONO POST STRUCTURE
PLAYNUK NO.2 TO NO.6



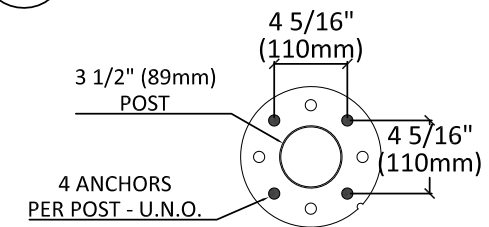
2 TYP. MONO POST BASE PLATE & WATER FEED
PLAN VIEW



3 TYP. MONO POST DETAILS



4 TYP. DETAIL FOR 3" (76MM) POST ANCHORING



5 TYP. BASE PLATE 3" (76MM) POST ANCHORING
FOR 3" POST

Elevations™ PlayNuk Simplified Materials Specifications

1. Structural Tubing: Tubing shall be type 304/304L stainless steel pipe, schedule 10 minimum and highly resistant to corrosive environments. Main support posts shall be made of 4,5" (11.4cm) stainless steel pipe.
2. Decks and Stairs: All decks & stairs shall be constructed from 12 GA (.105" [2.6mm]) minimum 304/304L stainless steel sheet perforated for better drainage. Deck and Stairprotective coating shall integrate an anti-skid surface suitable for bare feet use.
3. Protective coating / Painted Finish: All stainless steel parts, except noted, shall be coated with a Super Durable grade heat-cured polyester powder coating that offers superior UV, gloss and chemical resistance; and is suitable for high traffic environments. Super Durable coating offers superior properties for long lasting durability and protection for indoor and outdoor high traffic environments compared to regular outdoor polyester powder coating and outdoor liquid coating.
4. Seeflow™ Polymer parts: Polymer plastic parts shall be constructed of Seeflow™ Polymer material exclusively developed for the aquatic play environment. It shall be a diaphanous (transparent) plastic that has a high resistance to impact, is highly resistant to vandalism, and is flame retardant. The Seeflow™ polymer shall have outstanding dimensional stability, chemical resistance, UV stability, and exceptional translucence.
5. Barrier Panels: Shall be constructed from highly resistant and durable polycarbonate material. Material shall be UV treated for maximum durability and resistance. Barrier Panels shall be designed to prevent kids from climbing and be see-through. They should be available clear or with transparent colored graphics. Barrier Panels shall be ½" (12mm) thick minimum.
6. Railing Barrier (if applicable): Shall be constructed of type 304/304L stainless steel pipes, schedule 10 minimum and highly resistant to corrosive environments. The barriers shall be safely constructed to prevent kids from climbing.
7. Below Deck Barrier: Hex Deck, Octa Deck and Stairs, without sufficient head clearance to circulate underneath, shall have see-through barrier netting to prevent people from going underneath. The netting shall be a black polyester netting with 2" inch (50mm) mesh openings. Each structure shall have a locking device to allow authorized access to valves underneath the deck.
8. Nozzles: Shall be manufactured from lead-free Brass and/or 304/304L Stainless Steel and/or Ultra-High Molecular Weight Polyethylene (UHMW) highly resistant to UV, water and corrosive environments. Nozzles shall be exempt of hazardous substances, lead or harmful chemicals.
9. Toe Guards: Shall be constructed of the colored Soft Touch Elastomer developed exclusively for the aquatic play environment in order to cover the anchoring assembly hardware from pinch points and protrusions. Toe Guards shall have flexible rubber-like characteristics, a matte highly durable and slip-resistant finish, with excellent UV and chemical resistance.
10. Children waterslides: Children waterslides under 6 feet (1.8 m) shall be molded and constructed of high quality marine-grade fiberglass using ISO polyester UV resistant gelcoat and E glass type fiber reinforcement. Slide wall thickness shall be a minimum of 0,150" (4.0mm) and 0,270" (6.9mm) for connection flanges. Children waterslides shall be offered with a landing mat exit option or a slide runout exit option according to the project. Children waterslides shall be offered in 20 different colors.
11. WaterSlides (Open flume and Close Flume): Waterslides over 6 feet (1.8 m) shall be constructed of high quality marine-grade fiberglass using ISO polyester UV resistant gelcoat and E glass type fiber reinforcement. Slide part wall thickness shall be a minimum of ¼" (6mm) and a minimum of 0.315" (8 mm) for slide flanges. The Fiber WaterSlide shall consist of an assembly of different fiberglass slide parts, mechanically assembled together, to create different slide path configurations. The Fiber WaterSlide shall be offered in different colors and shall have landing mats or an integrated slide runout ending options according to the project. Waterslides shall be offered in 20 different colors. Fiber WaterSlide over 6' (1.8m) shall be designed and manufactured in accordance with international standard ASTM F2376 or European standard EN1069-1.
12. Mounting and Assembly Hardware: All hardware shall be made of high corrosion resistance 316/316L stainless steel grade to offer the best durability and protection.
13. Safety Craftsmanship: All edges shall be machined to a rounded edge. All welds shall be smoothed, watertight and factory pressure tested. Water sprays nozzles shall be designed to prevent any protrusion or recessed. All Elevations aquatic play structures shall be designed and manufactured in accordance with Vortex Quality Management System, international industry safety standards ASTM F2461 and F2376 or European safety standard EN 13451-8 and EN 1069-1 according to the project.



vortex-intl.com

Vortex Aquatic Structures International

info@vortex-intl.com

1.877.586.7839 (USA & Canada)

+1.514.694.3868 (International)

© 2024 Vortex Aquatic Structures International