Please refer to PART 1: VORTEX GENERAL CLAUSES for all Play Product construction and installation information.

1. Play Product Specifications:
	1. Play Product Structure:The Cascade Rainforest VOR-7251 shall include eight (8) Basins, six (6) Play Ponds, four (4) molded polymer ORBS and eight (8) Waves. The Basins assembly: shall be constructed of curved tubing made of 304/304L stainless-steel structural tubing with an outside diameter of 2.375” (60mm) and a wall thickness of 0.109” (2.8mm). The overall height of Basins assemblies shall be no less than 52” (132cm) for the higher structures and no less than 32.5” (82.5cm) for the lower structures The Play Pond structures shall be constructed of curved tubing made of 304/304L stainless-steel with an outside diameter of 3.50” (8.9cm) and a wall thickness of 0.12” (3.0mm) and stainless-steel sheet pieces of thickness 1/4” (6.3mm) and 3/8” (9.5 mm). The Basins shall be constructed of 3/16” (4.7mm) translucent SEEFLOW™ polymer. The Play Ponds and Wave shall be constructed of 1/2” (12.7 mm) translucent SEEFLOW™ polymer. The four ORBS and eight Wave spin freely by means of a mechanism of low friction polymer bushings and are propelled to spin by the force of the water flow or users. The overall height of the top Play Pond shall be no less than 40.75” (103.5cm). The overall height of the lower Play Ponds shall be no less than 29” (73.6cm). The four Play Ponds with Basins shall be anchored with a SAFESWAP™ Anchoring System. The two other Play Ponds shall be fastened to the surface with mechanical anchors.
	2. Overall play product dimensions**:** The overall height of the Cascade Rainforest shall be no less than 89” (226cm) with a width of 114” (290cm) and a length of 168” (426cm).
	3. Play Product Interactivity: Users must work together to keep the water flowing from one Play Pond to the next to keep the ORBS spinning. Giving everyone a chance to participate and encouraging team play. Users can also interact with the ORBS and Waves to splash around.
	4. Hydraulic Activity/Components: The top basins will cascade water down to the floor to create an archway waterfall. The other basins shall be filled with water from the water line connection and then cascade into the next Basin without overflow. The bottom Basin will cascade down the water into the Play Pond. Water will flow in both direction of the Play Pond to activate the Orb from the Play Ponds below and cascade down until it reaches the floor.
	5. Hydraulic Requirements:The hydraulic requirements shall split in two water lines:

Water Line 1 (high basins) 12-20 gpm (45-76 lpm) and Water line 2 (low basins) 8-12 gpm (30-45 lpm) @3-4 psi (0.2-0.3 bar).