ADDENDUM 1

December	12,	20	24

To All Bidders:

This Addendum is to add technical specification and reference drawings to the bid set in regards to Vortex being the manufacture of the slide. You must indicate receipt of Addendum 1, submitted with your proposal.

The Bidder hereby acknowledge	ges that they have reviewed	the following addenda:
Addendum No: 1		
Date:		
Submitted by:		
Name/Title		-
Company		-

END OF ADDENDUM 1



December 11, 2024

City of Mentor, Ohio 6000 Heisley Road Mentor, Ohio 44060

ADDENDUM No. (01)

To Technical Specifications and Drawings For

Mentor New Slide Addition

R.E. Warner & Associates Inc. Project: 11224

Vortex will be responsible for the delivery of a complete slide with all its components, relative to the slide itself. This does not include the aquatic equipment, such as pumps, piping, etc.

Vortex, as the selected vendor, will be responsible for the design, manufacturing, and delivery of the 3-flume slide and all associated support framework, platforms and stairs. Vortex will also provide structural design for the foundations; however, the Contractor is responsible for the foundation construction. Coordination between the Contractor and Vortex is vital during construction to ensure proper installation on site can be achieved. Procurement of the slide from Vortex is in process by the owner directly and will be received by the slide contractor. Contractor to include installation of the slide in their quote but not the materials. Contractor to coordinate with Vortex directly via Ryan Eccles at Vortex email: REccles@vortex-intl.com phone number: 312.405.0139 cell phone number: 312.405.0139



1. CAD FILE USED FOR THIS PR (NONE PROVIDED) FOR INDOOR APPLICATIONS, I REVIEWED FOR CONFORMITY AND APPROVED.	HEIGHTS HAVE BEEN
O APPROVED AS SHOWN	
REVISE & RESUBMIT WITH (include new DWG file when	
2. COLORS AND LAYOUT DESI	GN:
O APPROVED AS SHOWN	
O APPROVED AS NOTED	
REVISE & RESUBMIT AS NO	OTED
PROPOSAL WAS REVIEWED FO CONTRACT DOCUMENTS PRO CLIENT REPRESENTATIVE IS RI & COMPLIANCE WITH ALL CO INCLUDING, BUT NOT LIMITED CLEARANCES, QUANTITIES, CO COORDINATION WITH OTHER	OVIDED IN RFP. CONTRACTOR/ ESPONSIBLE FOR REVIEW NTRACT DOCUMENTS O TO; DIMENSIONS, ONSTRUCTION DETAILS AND
BY	DATE
Stamp	

Notes:

Foundation drawings are preliminary and should not be used for construction until approved by the structural engineer to come up with the drawings for construction.

RFP. Contractor/Client to slope pool deck to meet elevations as noted in this document.

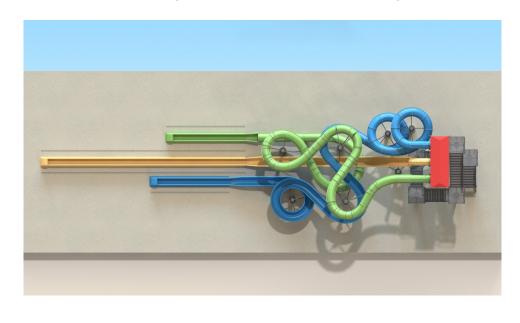
Project Name: City of Mentor

Location: Mentor, OH, USA

Version: A - FP 01 Project ID: 42612



Colors used shown on pages 8 & 9. Color options shown on pages 10 & 11.









We understand how every drop, stream, and splash shapes the world around us. By harnessing the transformative power of water, Vortex creates play experiences for children to develop, communities to flourish, and businesses to thrive. We exist to leave an impact—one that lasts long after families are dried off.



8,000 Projects

worldwide

Countries

served

1004

Awards & honors

Why choose Vortex?

Our diverse expertise

To foster a rich understanding of your unique needs, our design team draws its talent from many disciplines. Engineers, creative designers, childhood development specialists, and water choreography experts tackle new projects from all exciting angles. Our multidisciplinary approach oversees countless variables including water management, accessibility, and (most importantly) play.

Our superior quality

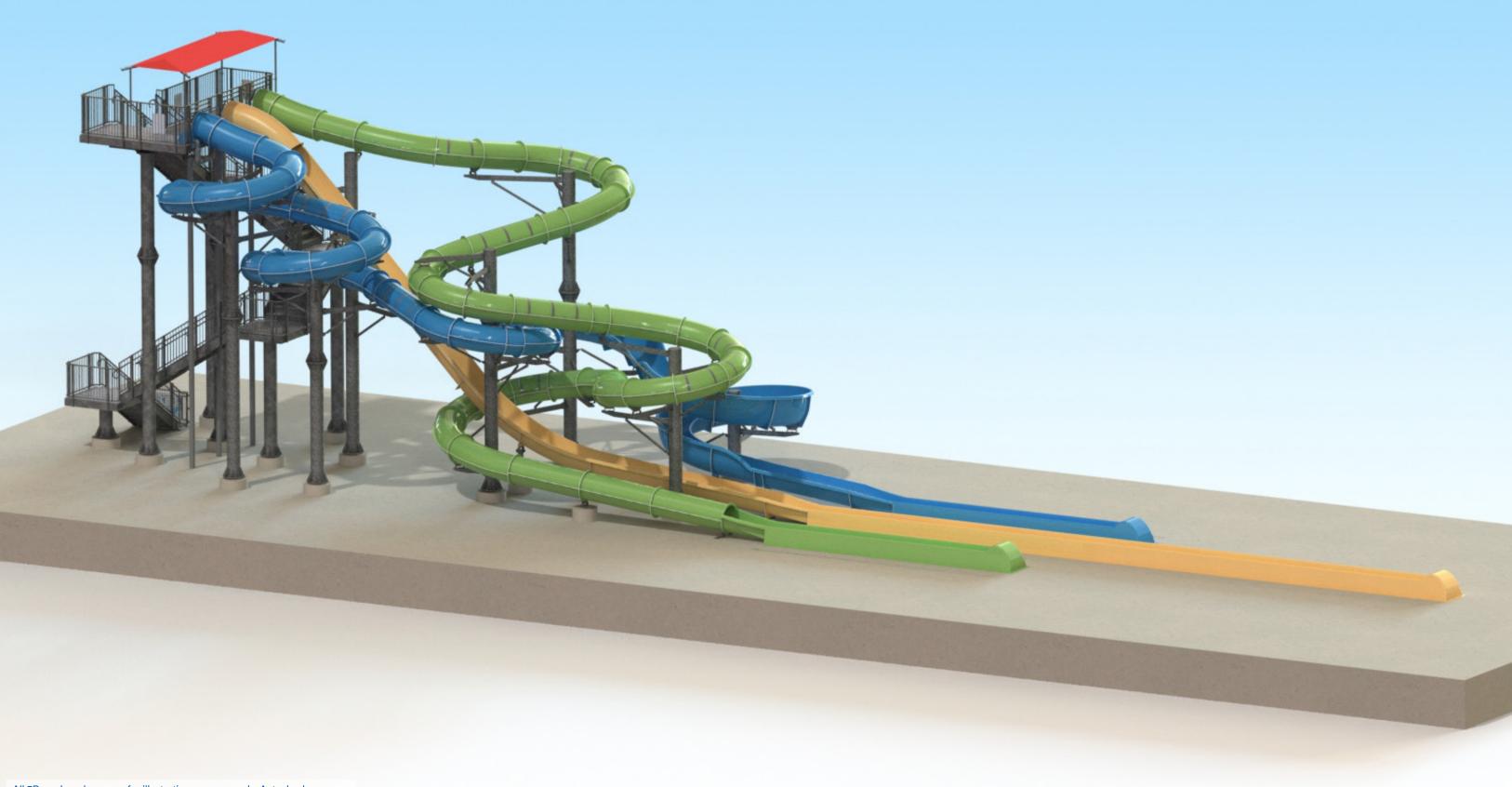
Every Vortex project is engineered on-site to ensure the highest quality and safety standards. We use stainless and galvanized steel sourced from North America and are vertically integrated for maximum quality control. Manufactured and tested in our Montreal headquarters, products are designed to last and require little maintenance.

Our boots on the ground

We put a lot of stock into local representation. Every collaboration begins by getting to know the families you're servicing and thinking creatively about how we can help them grow. We ensure that no matter where you're situated, our customer service and expert guidance come equipped with an intuitive understanding of what sets your facility apart.





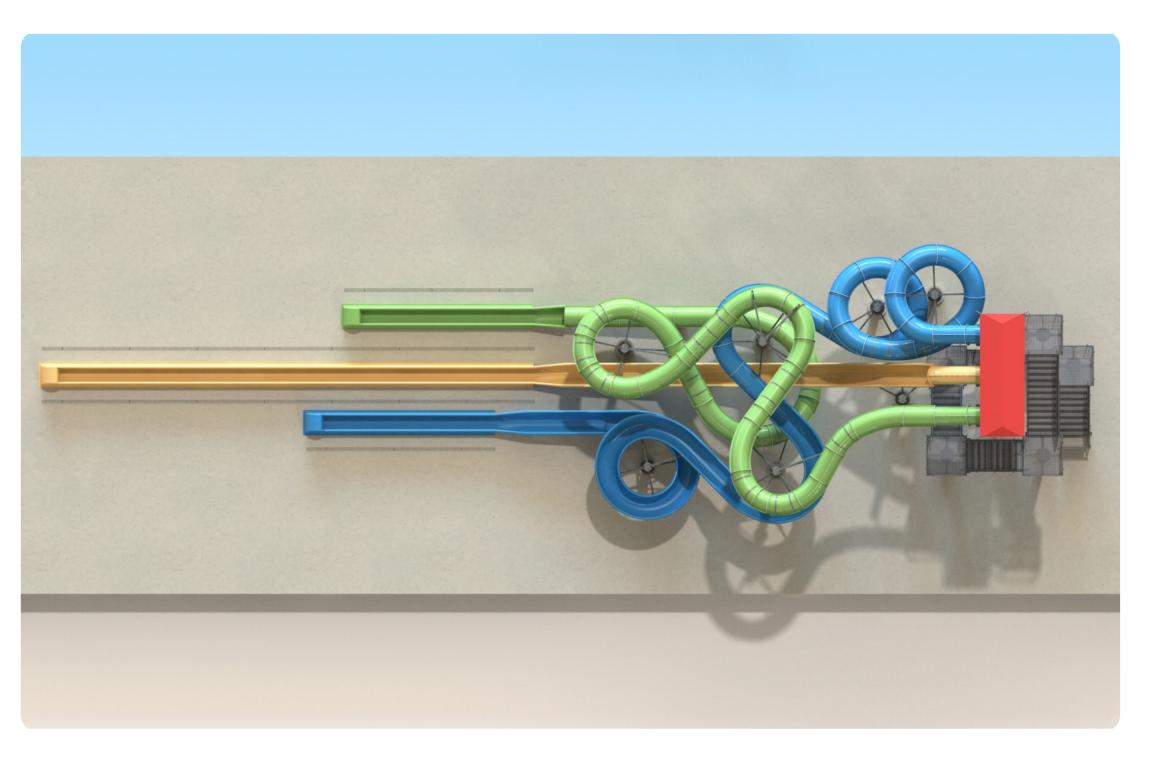


All 3D renders shown are for illustration purposes only. Actual colors, textures and finishes may differ from renders.

Waterslides shown in PrecisionRide™ finish.

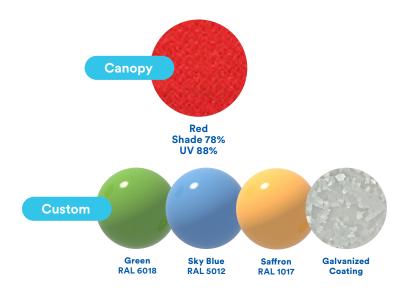
Platform / Stair treads shown in and only available in Gray





Waterslide Features

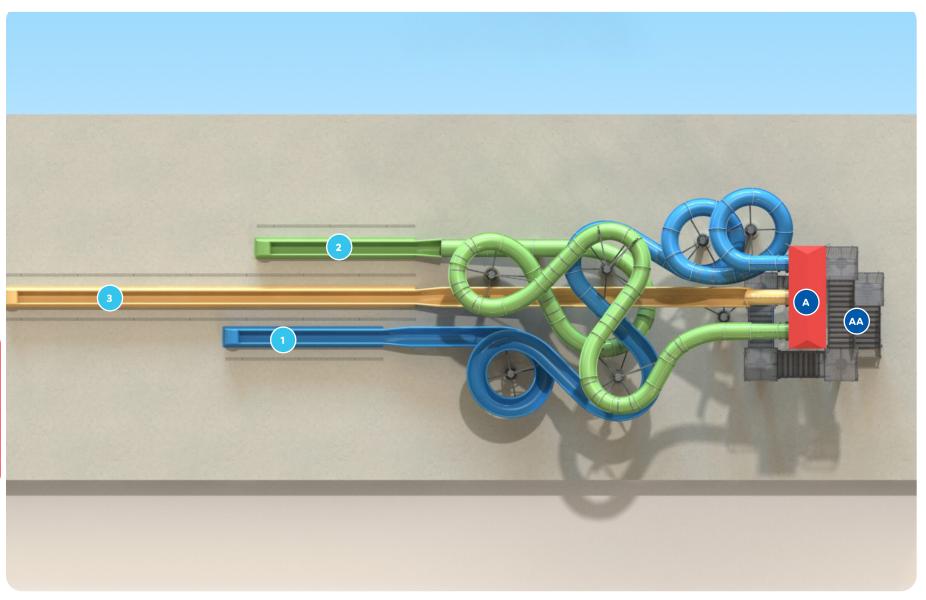
- Closed to Open Flume PrecisionRide™ Speed Slide
- Closed to Open Flume PrecisionRide™ Body Slide
- Closed Flume PrecisionRide™ Body Slide
- Integrated natural light translucent bands on close tube slide providing a unique sliding experience without the complete darkness effect!
- Model BSS-3303-64008 waterslide ride paths
- PrecisionRide™ Superior appearance with a glossy finish inside and out
- Big Splash Slides Ride paths engineered with higher intensity for maximum thrills!
- All steel is hot dipped galvanized for superior corrosion resistance
- Sustainable low water flow requirements





WATERSLIDES & COMPONENTS

1 2	Closed to Open Flume PrecisionRideTM Body Slide Closed Flume PrecisionRideTM Body Slide	Fiber: Fiber:	RAL 4006	+ RAL 3000	RAL 2011	(RAL 1017)	RAL 1023	RAL 6029	RAL6018	RAL 6025	RAL 6021	RAL 6019	RAL 6027	RAL 5024	RAL 5012	RAL 5017	RAL 5003	RAL 8024	O RAL 9003	RAL 1015	RAL 7040	RAL 9017	Custom
3	Closed to Open Flume PrecisionRideTM Speed Slide	Fiber:		•	()		•				•		•				Ο				
NEN	UCTURES COMPO- ITS Canopy	Fabric:	Red	Mulberry	Electric Purple	Atomic Orange	Arizona	Terra-Cotta	Desert Sand	Cinnamon	Laguna Blue	Sunflower Yellow	Chocolate	Royal Blue	Sesty Lime	Black	Navy Blue	Olive	Silver	Turquoise	Rain Forest	O White	
STR	UCTURES COMPO- ITS		RAL 4006	RAL 3000	RAL 2011	RAL 1017	RAL 1023	RAL 6029	RAL6018	RAL 6025	RAL 6021	RAL 6019	RAL 6027	RAL 5024	RAL 5012	RAL 5017	RAL 5003	RAL 8024	RAL 9003	RAL 1015	RAL 7040	RAL 9017	Galvanized
AA	Tower .	Platform Paint: Guard/Handrail Paint: Column Paint:	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	O O O	•	•	•	



+ An additional fee wll apply.
* Platform / Stair treads shown in and only available in Gray



Fiberglass Flume Colors 1

Same color inside & outside of the flume section

Applicable to all waterslide types: PrecisionRide™ & Classic



* An additional fee wll apply.

Waterslide Elements Color Application

- 1 Fiberglass Flume : Fiberglass Flume colors
- 2 Platform & Stair Frame : Steel colors
- 3 Columns & Support Arms : Steel colors
- 4 Guardrails & Handrails : Steel colors
- 5 Canopy: Canopy colors (shown on next page)
- 6 Stair Treads (top of steps and platform): Only available in light grey





Steel colors 2 3 4



Canopy Fabric Colors 5



Color Combination Examples



Red Shade 78% **UV 88%**



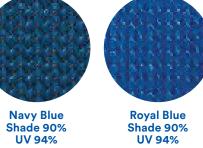
Terracotta Shade 82% UV 88%



Mulberry Shade 90% **UV 91%**



Laguna Blue Shade 90% UV 93%



Royal Blue Shade 90% UV 94%



Turquoise Shade 83% UV 92%





Rainforest Shade 88% UV 95%



Olive Shade 89% UV 95%

Arizona

Shade 81% UV 93%



Cinnamon Shade 92% **UV 94%**



Chocolate Shade 92% UV 93%



Desert Sand Shade 75% UV 95%



Silver



Shade 88% UV 93%



Atomic Orange Sunflower Yellow Shade 70% UV 94% Shade 82% UV 94%



Black Shade 95% UV 96%



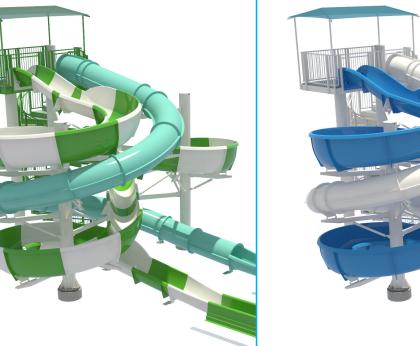
Zesty Lime Shade 84% UV 92%

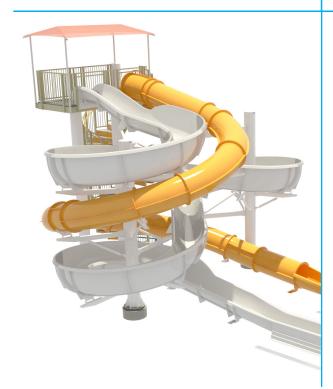




Electric Purple Shade 83% UV 91%

















* Deck drains run parallel to runout.

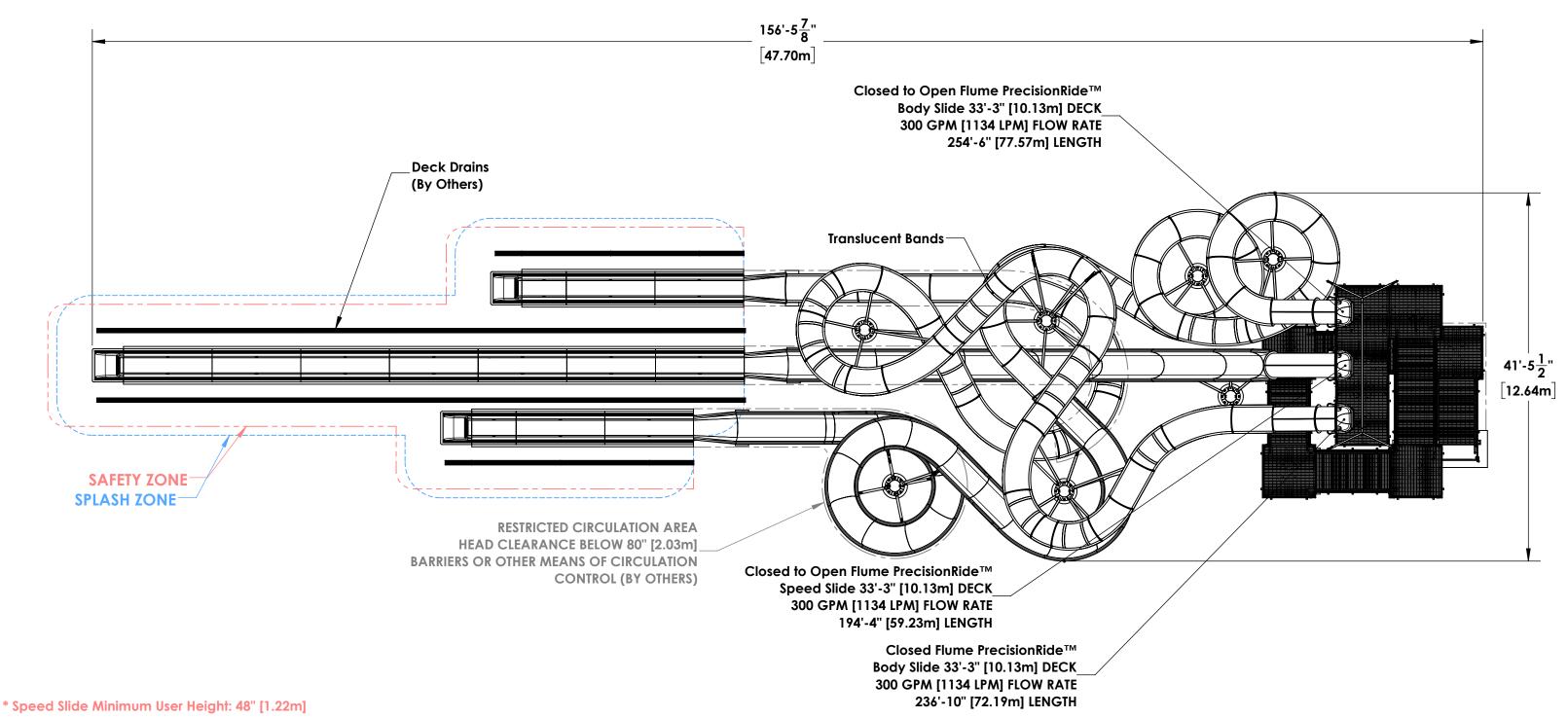
* Vault Design NOT by Vortex.

IMPORTANT

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

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

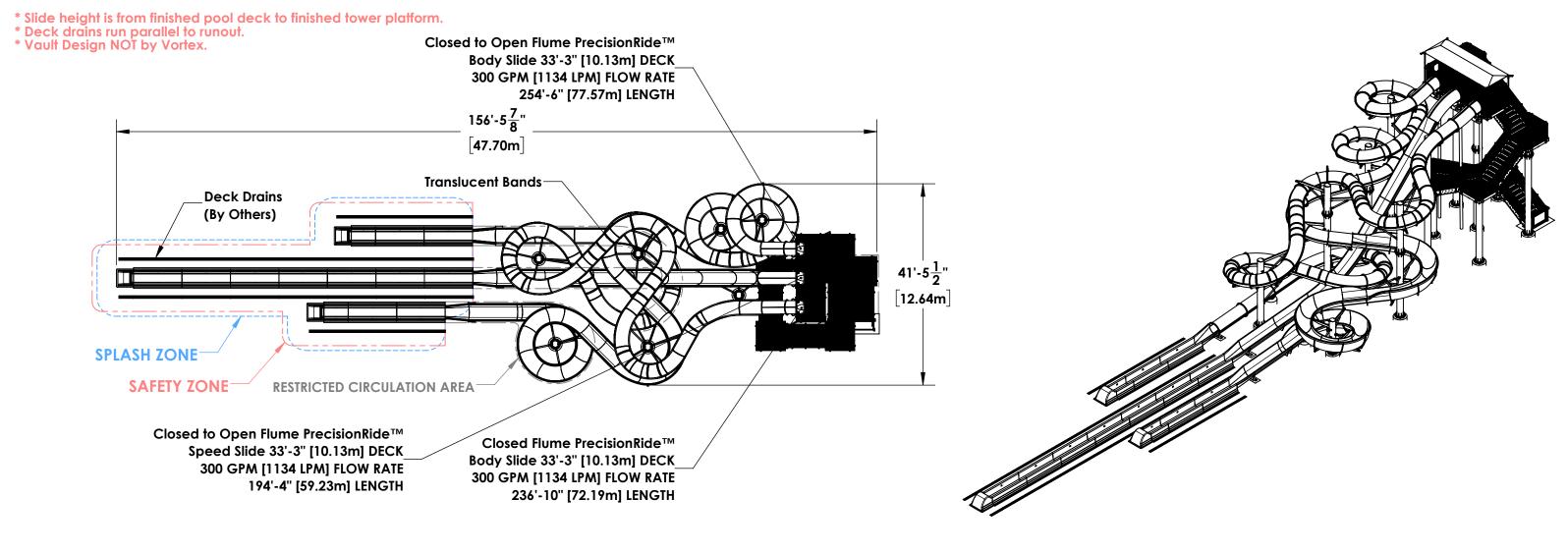
This proposal was made using CAD file: NONE PROVIDED

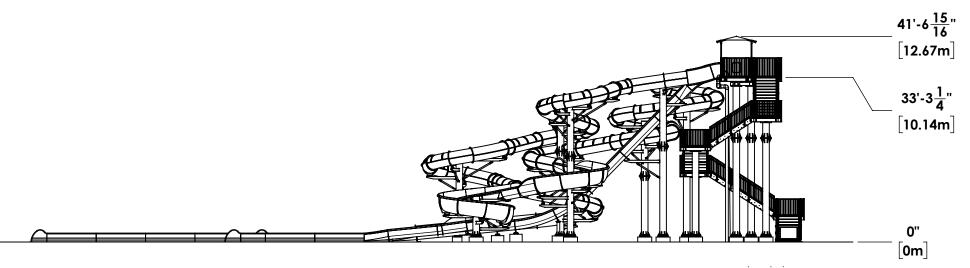


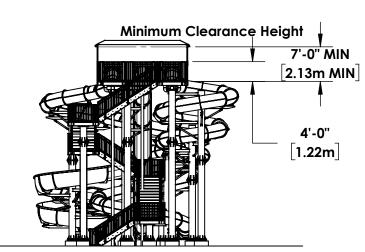
* All other waterslides Minimum User Height: 42" [1.07m]

PRELIMINARY - NOT FOR CONSTRUCTION









PRELIMINARY - NOT FOR CONSTRUCTION



^{*} Speed Slide Minimum User Height: 48" [1.22m]

^{*} All other waterslides Minimum User Height: 42" [1.07m]

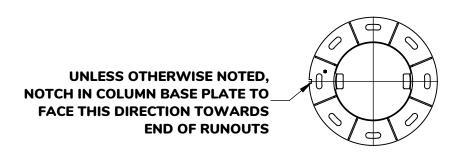
FOUNDATIONS (By Others) FOUNDATIONS (By Others) "X" DIMENSION T.O.C. ELEVATION "X" DIMENSION COLUMN T.O.C. **FOUNDATION** COLUMN **FOUNDATION** FOUNDATION TYPE FOUNDATION TYPE LOCATION ELEVATION DIMENSION LOCATION DIMENSION MARK MARK +0.00" **SEE DWG** SEE DWG THICKENED SLAB SBE +12.00" +105'-10.56" -14'-2.00" SPREAD FOOTING F8 T1 +12.00" +149'-11.88" +1'-5.00" SPREAD FOOTING F6 **S6** +12.00" +83'-5.00" +3'-11.81" SPREAD FOOTING F7 T2 +12.00" +131'-1.94" +1'-5.00" **SPREAD FOOTING** F6 **S7 F7** +12.00" +86'-9.69" -13'-6.94" **SPREAD FOOTING** T3 +12.00" +131'-1.94" -11'-11.00" SPREAD FOOTING F6 Р1 +14.88" +103'-5.13" +0.00" PIER P30 T4 +12.00" +145'-4.88" -11'-11.00" SPREAD FOOTING F7 +15.44" +91'-1.69" P2 +8'-8.19" PIER P30 +142'-4.94" T5 +12.00" +6'-0.00" SPREAD FOOTING F8 Р3 +18.81" +94'-10.38" +0.00" PIER P30 **SPREAD FOOTING** T6 +12.00" +139'-4.94" -3'-0.00" F8 +16.75" -85'-2.19" -7'-0.50" PIER P4 P30 **S1** +12.00" +129'-4.56" +11'-11.06" **SPREAD FOOTING** F8 DME +0.00" SEE DWG SEE DWG THICKENED SLAB DME **S2** +12.00" +120'-10.63" +10'-0.69" **SPREAD FOOTING** F8 RBE +0.00" **SEE DWG** SEE DWG THICKENED SLAB RBE **S3** +12.00" +124'-7.19" -3'-6.00" SPREAD FOOTING **F7**

T.O.C. = TOP OF CONCRETE ELEVATION TAKEN FROM FINISHED POOL DECK WHICH IS ASSUMED TO BE "0.00" [0.00m].

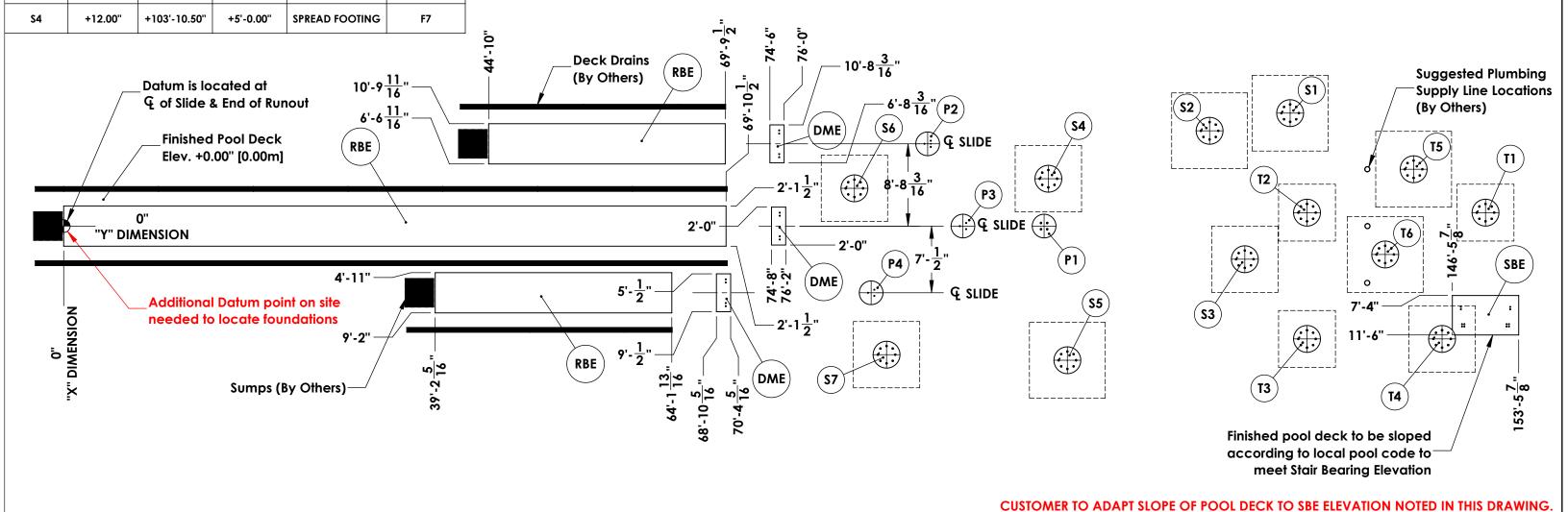
DME = DECK MOUNTING ELEVATION

SBE = STAIR BEARING ELEVATION

RBE - RUNOUT BEARING ELEVATION



TYPICAL COLUMN ORIENTATION DETAIL

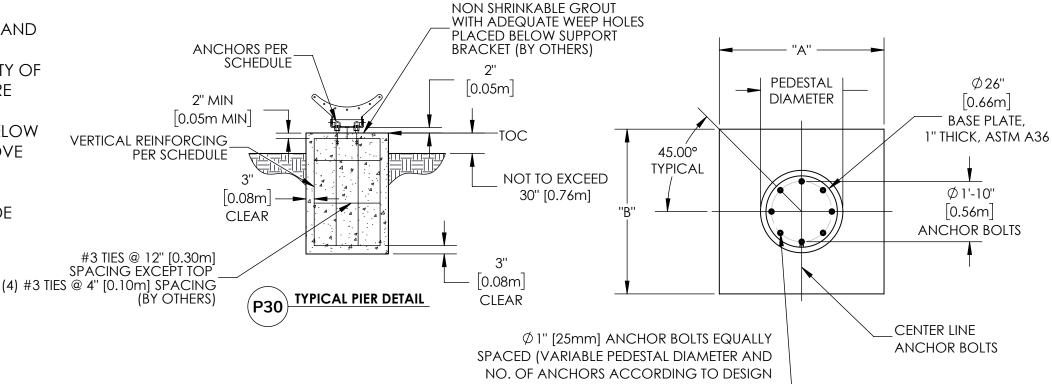


PRELIMINARY - NOT FOR CONSTRUCTION

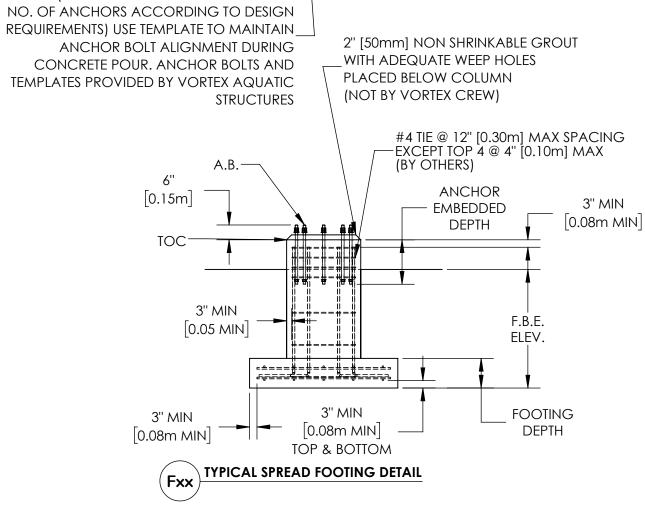


NOTES

- 1. ALL QUANTITIES, SIZES AND LOCATIONS ARE PRELIMINARY AND WILL VARY WITH FINAL DESIGN.
- 2. PRELIMINARY SIZES ARE BASED ON SOIL BEARING CAPACITY OF 2000 PSF, 100 MPH WIND SPEED (3 SEC. GUST) AND EXPOSURE CLASS C.
- 3. UNDERSIDE OF FOOTING, [F6 F10], IS AT 6 FEET [1.83m] BELOW FINISHED GRADE. CONCRETE PEDESTAL 1 FOOT [0.30m] ABOVE FINISHED GRADE.
- 4. UNDERSIDE OF PIER FOOTING, [P30], IS AT 4 FEET [1.22m] BELOW FINISHED GRADE. ELEVATION ABOVE FINISHED GRADE WILL VARY.
- 5. VORTEX WILL NOT BE RESPONSIBLE FOR ANY ADDITIONAL COSTS AS A RESULT OF FINAL DESIGN VARYING FROM PRELIMINARY FOUNDATIONS.

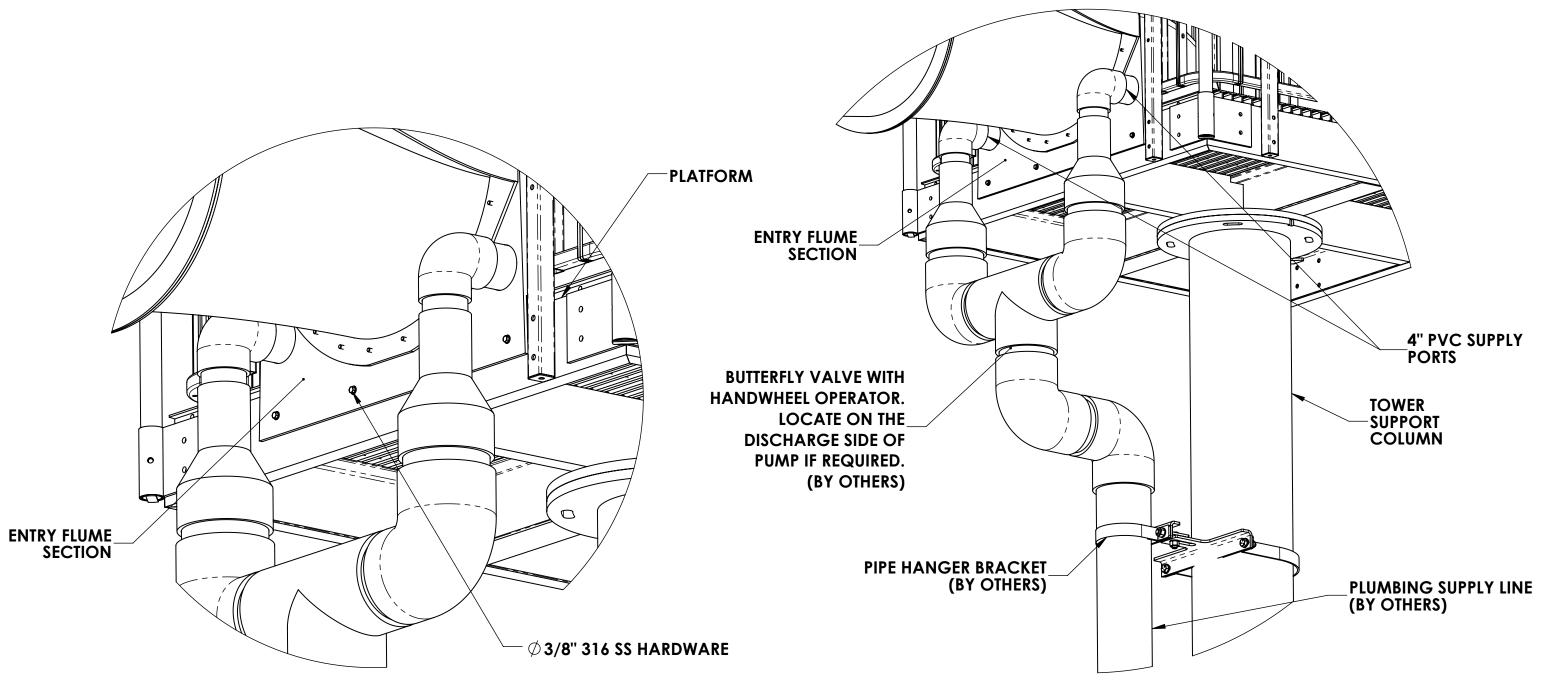


			•							
PRELIMINARY FOOTING SCHEDULE										
FOUNDATION MARK	DIMENSION "A" X "B" X THICKNESS	FOOTING REINFORCING	PEDESTAL DIAMETER	PEDESTAL REINFORCEMENT						
F6	6'-0" X 6'-0" X 18" [1.83m X 1.83m X 0.46m]	#6 @ 12" [0.30m] OC E.W. T+B	34" [0.86m]	(8) #7 VERTICAL W/ 14" [0.36m] HOOK						
F7	7'-0" X 7'-0" X 18" [2.13m X 2.13m X 0.46m]	#6 @ 12" [0.30m] OC E.W. T+B	34" [0.86m]	(8) #7 VERTICAL W/ 14" [0.36m] HOOK						
F8	8'-0" X 8'-0" X 20" [2.44m X 2.44m X 0.51m]	#6 @ 12" [0.30m] OC E.W. T+B	34" [0.86m]	(8) #7 VERTICAL W/ 14" [0.36m] HOOK						
F9	9'-0" X 9'-0" X 20" [2.74m X 2.74m X 0.51m]	#6 @ 12" [0.30m] OC E.W. T+B	34" [0.86m]	(8) #7 VERTICAL W/ 14" [0.36m] HOOK						
F10	10'-0" X 10'-0" X 20" [3.05m X 3.05m X 0.51m]	#6 @ 12" [0.30m] OC E.W. T+B	34" [0.86m]	(8) #7 VERTICAL W/ 14" [0.36m] HOOK						
P30	N/A	N/A	30" [0.76m]	(6) #7 VERTICAL						
SBE	4'-2" X 7'-0" X 8" [1.27m X 2.13m X 0.46m]	#5 @ 12" [0.30m] OC E.W. MID-DEPTH	N/A	N/A						
DME	1'-6" X 4'-0" X 8" [0.46m X 1.22m X 0.20m]	#4 @ 6" [0.15m] OC E.W. MID- DEPTH	N/A	N/A						
RBE	4'-3" X VARIES X 8" [1.30m X VARIES X 0.20m]	#4 @ 6" [0.15m] OC E.W. MID- DEPTH	N/A	N/A						
-										



PRELIMINARY - NOT FOR CONSTRUCTION



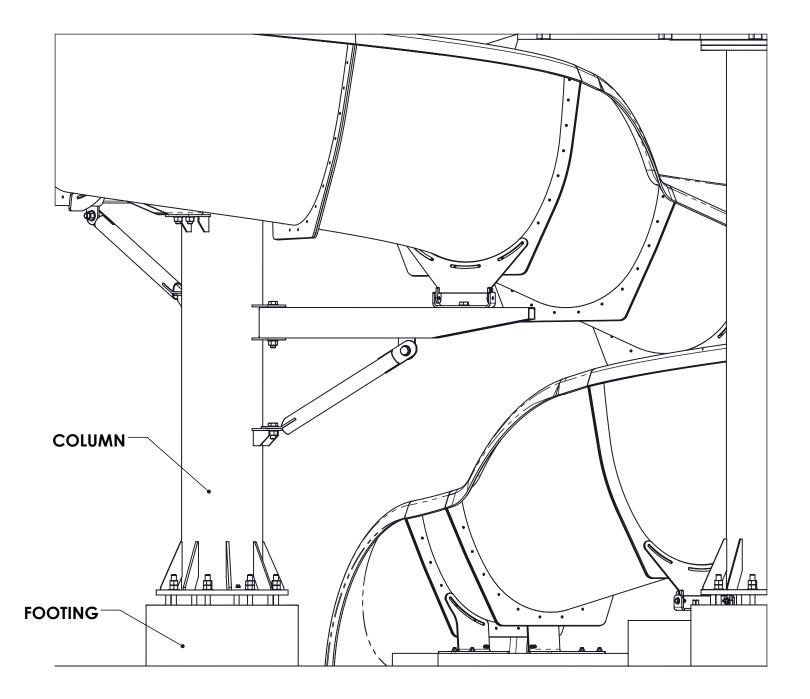


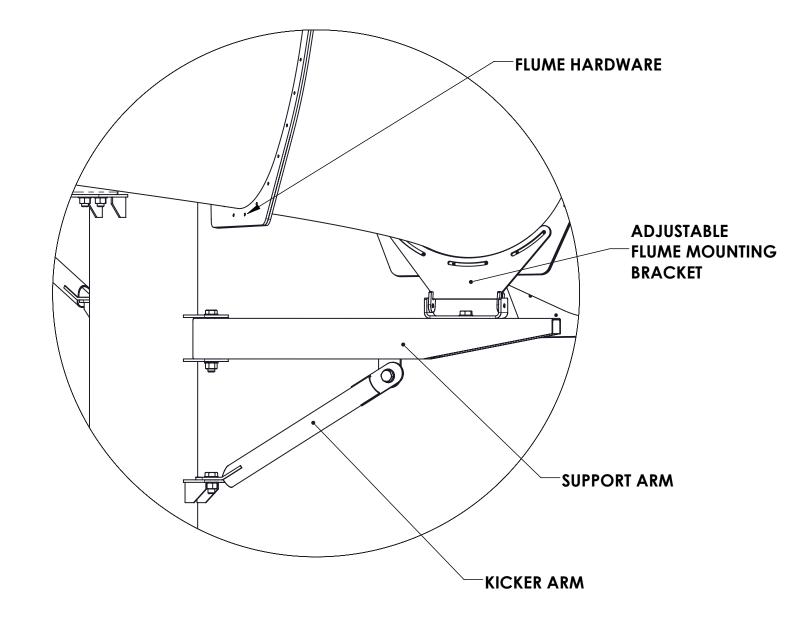
PLUMBING TO BE ADEQUATELY SUPPORTED W/HANGERS TO PREVENT WEIGHT STRESS ON ENTRY SECTION (BY OTHERS)

PLUMBING PIPE SIZE BASED ON FLOW RATE REQUIREMENTS.
CALIBRATED MEANS OF FLOW MEASUREMENT (E.G. FLOW METER) REQUIRED (BY OTHERS)

PRELIMINARY - NOT FOR CONSTRUCTION



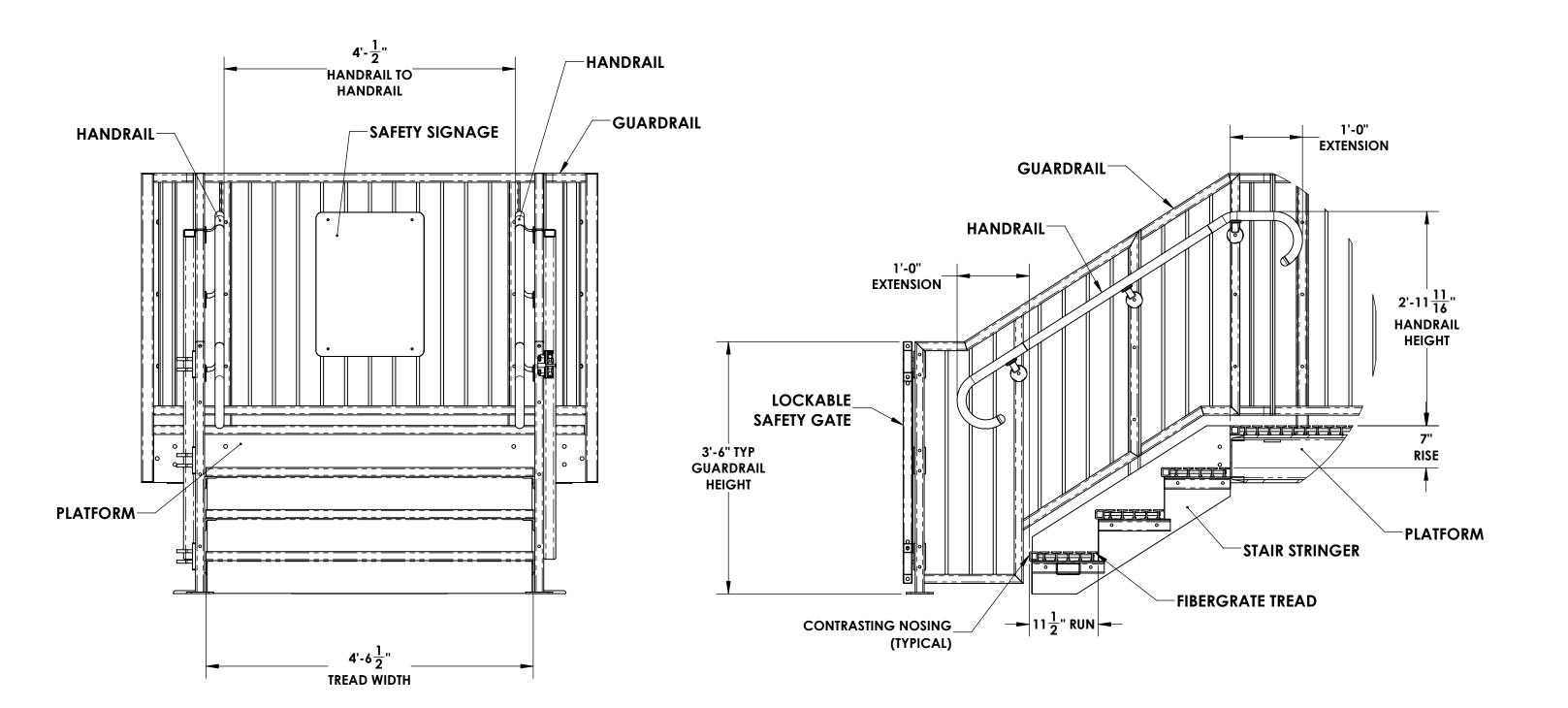




*FLUME LAYOUT MAY NOT REPRESENT ACTUAL SLIDE PROPOSED

PRELIMINARY - NOT FOR CONSTRUCTION





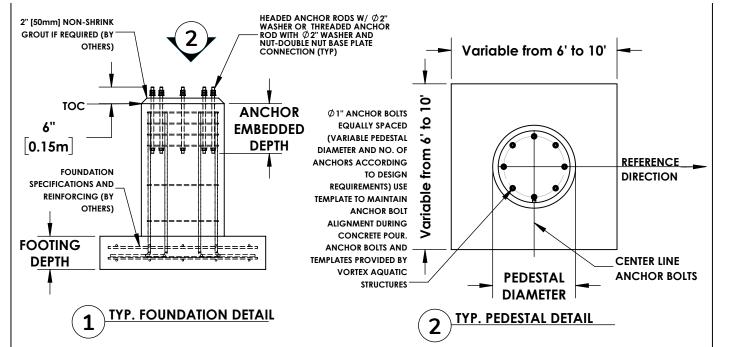
*STAIR LAYOUT MAY NOT REPRESENT ACTUAL STAIRS PROPOSED

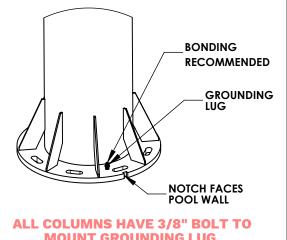
PRELIMINARY - NOT FOR CONSTRUCTION



GENERAL SPECIFICATIONS:

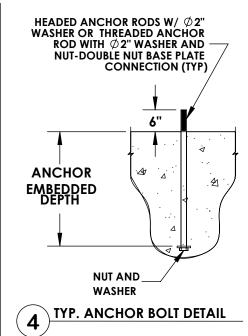
- THESE DETAILS ARE GENERIC AND PROVIDE AN OVERVIEW OF THE SCOPE OF WORK **DURING CONSTRUCTION/INSTALLATION. REFER TO THE PROJECT FINAL CONSTRUCTION DRAWINGS FOR** INFORMATION SPECIFIC TO YOUR PROJECT.
- **DESIGN OF CONCRETE WORK, BY OTHERS. WE RECOMMEND AS A MINIMUM:**
 - MIN. CONCRETE STRENGTH f'c = 3600psi (25Mpa) @ 28 DAYS
 - **AIR-ENTRAINED CONCRETE (IN REGIONS SUBJECTED TO FREEZE AND** THAW)
 - **VERIFY LOCAL CODES AND** STANDARDS FOR OTHER LOCAL **REQUIREMENTS**
 - DO NOT SCALE DRAWINGS.
 - FOR FURTHER DETAILS AND INFORMATION. **REFER TO THE INSTALLATION. OPERATION AND MAINTENANCE MANUALS IF** APPLICABLE.

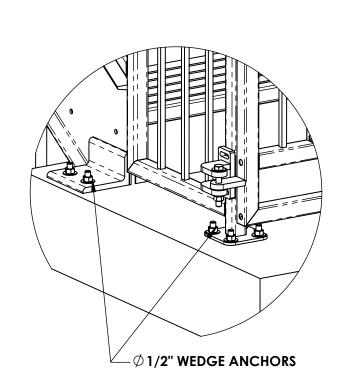




MOUNT GROUNDING LUG. GROUNDING LUG IS ON GUSSET NEXT TO LOCATION NOTCH

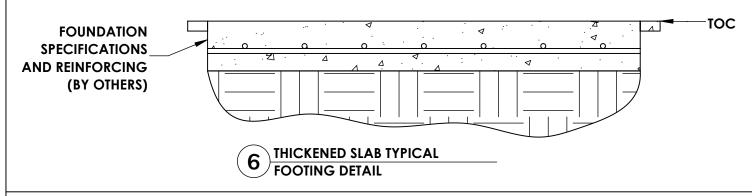
TYP. GROUND LUG LOCATION



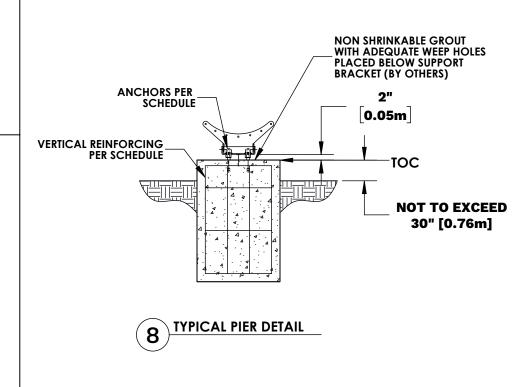


TYP. STAIR BEARING ANCHOR DETAIL

STAIR BEARING AND DECK MOUNTING ELEVATIONS ARE TO BE SET AT TOP OF CONCRETE ELEVATIONS AS NOTED IN DRAWING

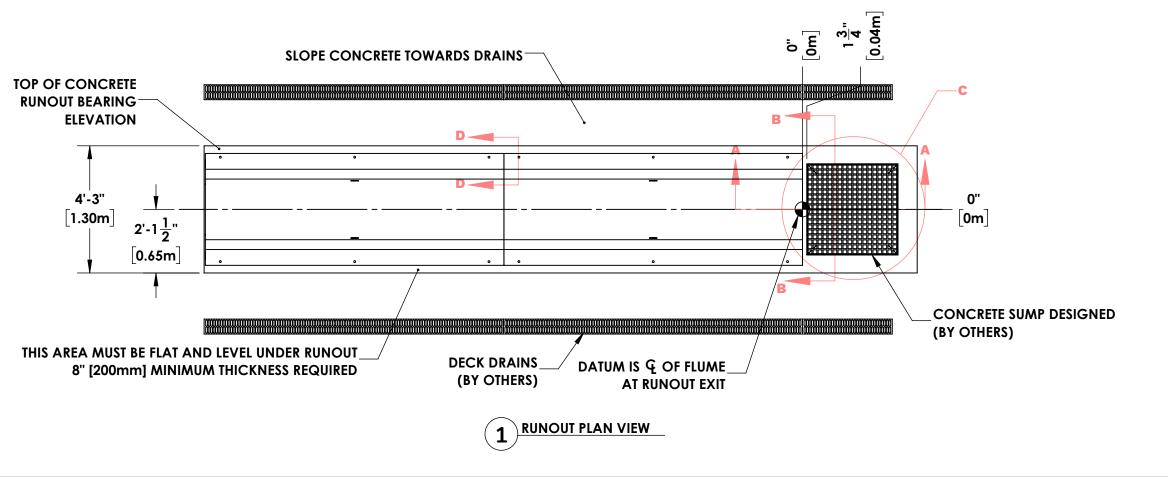


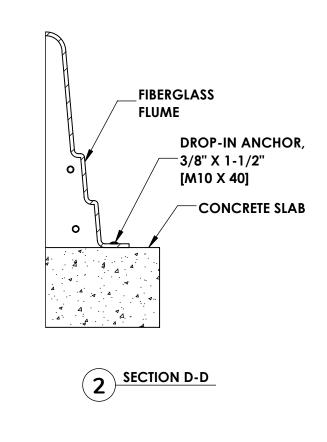
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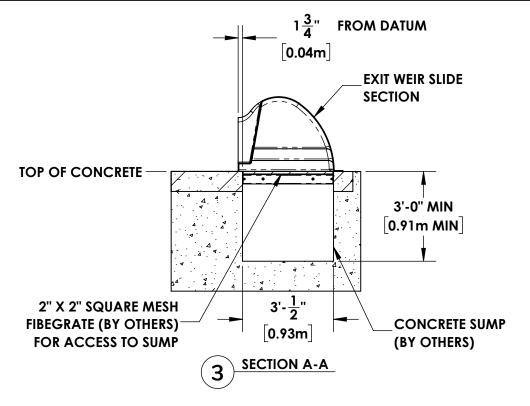


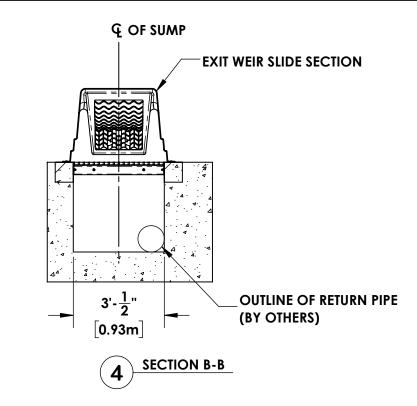
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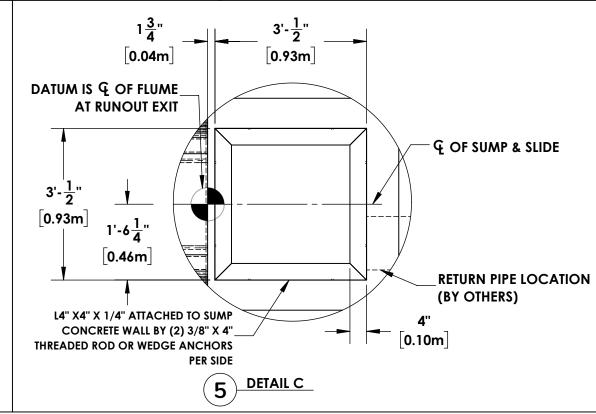






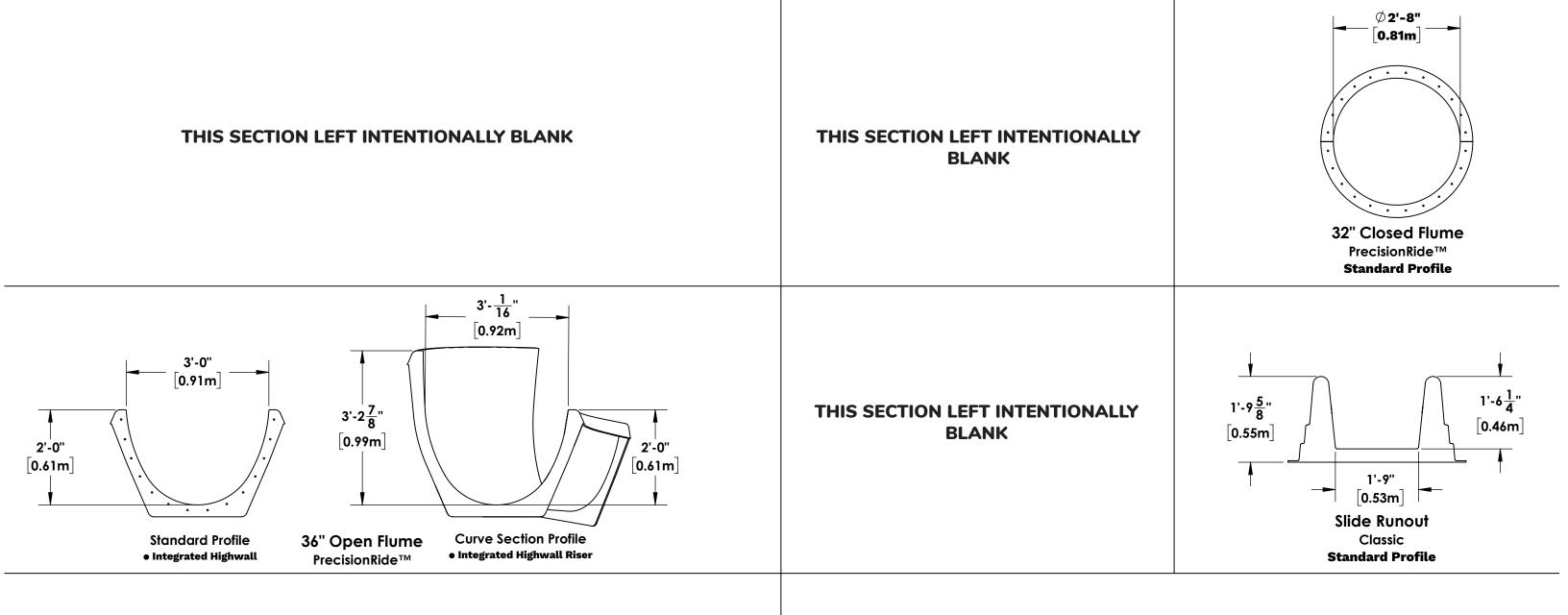






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PRELIMINARY - NOT FOR CONSTRUCTION



PrecisionRide™ & Classic Waterslides & Structures - Simplified Materials Specifications

- 1. Slide sections PrecisionRide LRTM process: PrecisionRide™ series by Vortex, 36-inch (91.4 cm) Open Flume and 32-inch (81.3 cm) Closed tube fiberglass slides shall be manufactured using a Light Resin Transfer Molding (LRTM) system providing unprecedent precision, dependable manufacturing quality and low environmental impact. At least 90% of all fiberglass flume parts are to be LRTM with both sides having a 600-grit surface finish or better. Standard flume sections shall comply with minimum material requirements of ASTM F2376. Finish surface shall be high quality isophthalic polyester colored gelcoat and resin shall be premium quality promoted low profile polyester providing good resistance to osmosis blistering. All glass reinforcement shall be E Glass type or better. Interior and exterior of the fiberglass flume to have a minimum 0.018 to 0.20-inch (0.45 to 0.50 mm) gelcoat thickness.
- 2. Slides sections Classic Hand Lay-up process: All 22-inch (55.9 cm) Kiddie Slide, 30,75-inch (78.1 cm) Open flume and 31,625-inch (80.3 cm) Close flume slide section shall be manufactured with an open mold hand lay-up process using high quality isophthalic polyester colored gelcoat and a polyester resin system with isophthalic and orthophthalic resins. Fiberglass reinforcements shall be continuous roving chop fibers, woven roving and shall be "E" glass type. Standard flume section shall comply with minimum material requirements of ASTM F2376. Interior of the fiberglass flume (riding surface) to have a minimum 0.018 to 0.20-inch (0.45 to 0.50 mm) gelcoat thickness with a 600-grit smooth finish. Exterior faces to be coated with a color urethane UV protective coating.
- 3. Joints, Connections, and Seams: Flume to flume joints shall be fastened with 3/8-inch stainless steel hardware. Flume to support system connections shall be made with stainless steel hardware. Fiberglass joint connections shall be made using waterproof non-shrink caulking with suitable adhesion to fiberglass.
- 4. Flume Structural Support System: Structural steel support columns, arms, and cross bracing as required by the design, shall be designed for bolt-up installation. Connection hardware and yokes, as required by the design, shall be stainless steel, nuts, bolts, and washers.
- 5. Waterslide Tower and Stairway System: Tower columns, cross-bracing, tension rods, stairway supports, stairway sections, railings and guardrails shall be hot-dipped galvanized steel and designed and prefabricated for bolt-up installation. A hinged gate located at the base of the waterslide tower shall be included. Railings and Guardrails infill shall be welded square bar pickets. The outer frame/ring of the railings and guardrails shall be hot-dip galvanized steel. Grabrails or handrails shall be hot-dip galvanized 1,66 inch (4.2 cm) outside diameter steel pipe, except for spiral handrail which shall be fabricated of 1,5 inch (3.8 cm) outside diameter stainless steel tubing.
- a. Traditional straight stair system: Stair treads, landings and deck surfaces shall be pultruded pedestrian fiberglass grating 1,5" (38.1 mm) thick with a light gray color non-slip surfacing with 18% openings providing a comfortable walking surface. Fiberglass grating shall be non-corrosive, low maintenance and fire retardant according to ASTM E84.
- b. Spiral stair system: Stair treads and intermediate landing surfaces shall be 3/8" (9.5 mm) thick one-piece molded solid composite panels with a light gray color non-slip surfacing providing a comfortable walking surface. Fiberglass grating shall be non-corrosive, low maintenance and fire retardant according to ASTM E84. Upper deck surfaces shall be pultruded pedestrian fiberglass grating 1,5" (38.1 mm) thick with a light gray color non-slip surfacing with 18% openings providing a comfortable walking surface. Fiberglass grating shall be non-corrosive, low maintenance and fire retardant according to ASTM E84.
- 6. Structural Systems: Structural supports, tower and walkway systems shall be designed for: Seismic zone [as required per location of the project], Wind speed [according to project location], Snow load [according to project location] and Live load [according to project or default live load of 100 pounds per square foot].
- 7. Pipe Columns: All pipe columns shall meet the requirements of ASTM A500, Grade B, minimum Fy = 42,000 psi, ASTM A53 Grade C or ASTM A252 Grade 3.
- 8. Tubing: All rectangular or square tubing shall meet the requirements of ASTM A500, Grade B, minimum Fy = 46,000 psi.
- 9. Bolts and Nuts: Where required all high strength bolts shall meet the requirements of ASTM A325.
- 10. Anchor bolts: All anchor bolts shall be hot-dip galvanized steel and shall meet the requirements of ASTM A36.
- 11. Protective Coatings and Colors: All steel support structure to be factory prepared, protected and coated for maximum corrosion protection. All steel components shall be hot-dip galvanized steel standard according to ASTM A123. Optional top coat color coating using a multi-step process including a zinc-rich primer and a heat-cured polyester powder coating SuperDurable grade top coat compliant with AAMA 2604 for weathering resistance of architectural exterior applications shall be available for outdoor applications and standard for indoor applications. Color coating shall be emitting no VOC's and shall be free of phthalates, isocyanates, halogens and heavy metals.
- 12. Safety signage: Sign shall be durable, non-corrosive, rigid plastic or aluminum material suitable for exterior installations.
- 13. Platform cover / Canopy: Platform cover structural frame members shall use same materials and steel protection as slide structure. Bolts and nuts shall be stainless steel per ASTM F593, Alloy Group 1 or 2. Platform cover shall be designed for Live loads: 10 pounds per square foot, Wind design speed: 80 miles per hour, Snow load: 5 pounds per square foot. Shade fabric shall be made of high-density polyethylene with ultraviolet additives and a fire rating Class I (flame spread index of 15 and smoke developed index of 15).
- 14. Safety Craftsmanship: All waterslides and their structure shall be designed and manufactured in accordance with Vortex Quality Management System registered under ISO 9001:2015, international industry safety standards ASTM F2376, European safety standard EN 13451-8 and EN 1069-1 according to the project requirements.







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