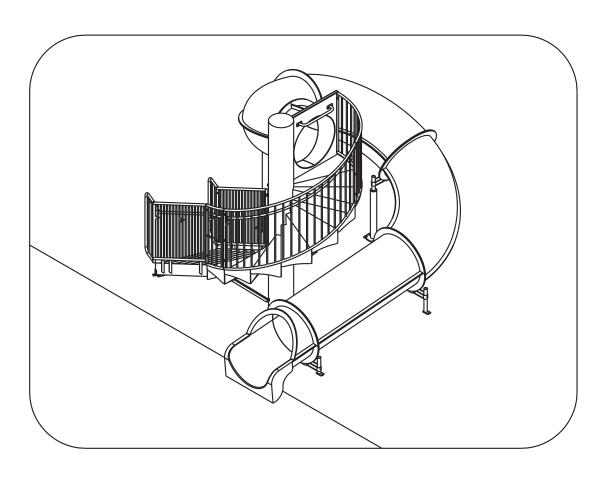
REVIEWED BY: DATE:

REVISION / DATE

PAGE SCALE: NTS



MODEL: 1663-32RH00-1SP8-0736E12

SLIDE PLATFORM HEIGHT: 8' - 2"

SPASH DOWN DIMENSIONS: 12' - 8" BY 20' - 0" MIN. WATER DEPTH REQUIRED: 3' MIN DEPTH SPACE REQUIREMENTS: 12' - 3" BY 14' - 10"

STAIR CONFIGURATION: 7" RISE / 11" RUN (7 STEP) 36" WIDE WITH

(6 STEP) 7" RISE 36" WIDE SPIRAL STAIR

SLIDE ENTRANCE HEIGHT: 8' - 4" SLIDE EXIT HEIGHT: 3" CENTER LINE RUN: 30' - 1" TOTAL RUN: 36' - 0" **AVERAGE SLOPE:**

SIZE OF FLUME 32" ID CLOSED FIBERGLASS

GPM REQUIRED: 20-40

MINIMUM DESIGN CRITERIA

UNIFORM DECK LOAD: 100 PSF RIDER POINT LOAD: 250 LB WIND LOAD: 90 MPH

- 1. WATER SLIDE DECK IS SET AT A HEIGHT OF 8' 2". THE 12 STEP STAIRS (7" RISE) PROVIDES ACCESS TO TOWER DECK FROM THE GROUND LEVEL AND IS CONSTRUCTED OUT OF 6061-T6 ALUMINUM STAIR STRINGERS AND 5052-H32 ALUMINUM STEPS. HANDRAIL AND WALL ARE TO BE MILD STEEL OR STAINLESS STEEL DEPENDING ON CUSTOMER PREFERENCE. THE WALL RAIL & HANDRAIL ARE 1.32" OD PIPE. THE WALL RUNGS ARE 5/8" OD X .065 WALL TUBING WITH LESS THAN 4" SPACING BETWEEN RUNGS. SLIDE SECTIONS ARE 32" ID CLOSED DESIGN FIBERGLASS CONSTRUCTION WITH A 1/4" MINIMUM WALL THICKNESS AND SINGLE GEL COAT. THE FLUME SUPPORT LEGS ARE 3-1/2" OD SCH 40 PIPE WITH TWO 2 X 2 X 3/16 STRUCTURAL ANGLE KNEE BRACES. ALL OF THE WELDING CONFORMS TO AWS-D1.1 & D1.2 CODE.
- 2. ALL STEEL SHALL BE POWDER COATED WITH AN AQUACOTE UNDERCOATING AND THEN WITH A COLORED POWDER COAT (COLOR TBD). ANY SCRATCHED OR DAMAGED PAINT TO BE TOUCHED UP AFTER FINAL ASSEMBLY. POWDER COATING TO ADHERE TO THE FOLLOWING STANDARDS:
 - 1) FLEXIBILITY (ASTM D-1735)
 - 2) IMPACT (ASTM D-3359)
 - ADHESION (ASTM D-3359)
 - 4) HARDNESS (ASTM D-3363)
 - 5) OVERBAKE RESISTANCE (ASTM D-2454)
 - 6) WEATHERABILITY (ASTM D-822)
- 3. IF PURCHASED BY CUSTOMER, A PROFESSIONAL ENGINEER CERTIFIED IN STATE WHERE ERECTED, SHALL RUN STRUCTURAL CALCULATIONS TO GET ACTUAL LOADS FOR LOCATION, AND PROVIDE STAMPED, SIGNED AND SEALED FILE COPIES.
- 4. THE DECK (WALKING SURFACE) IS FABRICATED OF 1/8" 5052-H32 ALUMINUM PLATE. THE DECK SURFACE IS TEXTURED FOR SLIP RESISTANCE AND SAFETY.
- 5. INTEGRAL DECK WALLS PROVIDE A SECURE 42" HIGH BARACADE PROTECTING USER'S SAFETY. ALL WALL AND HANDRAIL RUNGS ARE SPACED LESS THAN 4" APART TO PROVIDE ADDITIONAL SAFETY FOR USERS. A GRAB BAR ABOVE THE SLIDE ENTRANCE PROVIDES A SAFE TRANSITION FROM STANDING ON THE DECK TO A SITTING POSITION AT THE TOP OF THE SLIDE.
- 6. AN INJECTOR AT THE TOP OF THE SLIDE PROVIDES FOR A WATER LUBRICANT THAT MAKES THE INSIDE OF THE SLIDE CONSISTANTLY SLICK FOR AN ENJOYABLE RIDE.
- 7. ALL HARDWARE IS 316 GRADE STAINLESS STEEL UNLESS OTHERWISE NOTED, FLUME POST/STAIR POST WILL BE HOT DIPPED GALVANIZED BEFORE POWDERCOATING.
- 8. ANTI-SEIZE IS REQUIRED ON STAINLESS STEEL HARDWARE. (NOT PROVIDED BY NATURAL STRUCTURES, UNLESS TOOL KIT IS PURCHASED)

	\sim	\sim	D -		
ΙA	U	CE	Р.	IED.	

- □ ACCEPTED WITH COMMENTS
- □ REVISE AND RESUBMIT
- REJECTED

SPECIFICATIONS FOR PREFABRICATED WATER SLIDE