



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:	26.87%
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)
 - 3) 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 BARCADE 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)

<input type="checkbox"/> ACCEPTED
<input type="checkbox"/> ACCEPTED WITH COMMENTS
<input type="checkbox"/> REMISE AND RESUBMIT
<input type="checkbox"/> REJECTED
SIGNATURE _____ DATE _____

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MODEL 1663-32 WATER SLIDE SPECIFICATIONS

DRAWN BY: TB	ANSI SHEET SIZE: B
REVIEWED BY:	
DATE: 04/05/2016	

REVISION / DATE

PAGE SCALE: NTS

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