

UP199 FITNESS OVERHEAD LADDER

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	FITNESS OVERHEAD LADDER	1	213276
2	UPRIGHT	4	214103
3	COATED FLAT CAP ASSEMBLY	2	147595
4	STEP PIPE	2	213820
	HARDWARE COMPLETE	1	405533
	1/4" x 3/4" DRIVE RIVET	4	168449*
	5" INJECTION MOLDED CAP	4	207710*
	1/2" x 5 1/2" B.H.C.S.	8	811071*
	1/2" LOCKWASHER	8	817342*
	1/2" FLAT WASHER	8	817412*
	1/2" T-NUT	8	804557*
	1/2" x 9" HEX HEAD BOLT	2	801234*
	1/2" HEX NUT	2	804055*
	USAGE/WARNING LABEL	1	213501*

Unless Otherwise Specified, All Units of Measure are Each

Items listed below Hardware Complete line are included with Hardware Complete Number

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location. Any bolt end protruding more than two full threads beyond the face of the nut causes risk of clothing entanglement.

Promptly cut-off flush, file smooth, and treat to prevent corrosion.

Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.

Note: Loctite (supplied by others) should be used on any non-patch hardware.

SPECIFICATIONS:

NOTE: THIS INSTALLATION BOOKET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.

NOTE: Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

NOTE: Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

NOTE: Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

FITNESS OVERHEAD LADDER WELD ASSEMBLY: The Fitness Overhead Ladder Weld Assembly shall be an all weld assembly fabricated from 2" x 2" x .188" (7 gauge) wall steel tubing, 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing, and formed 3/16" thick hot rolled steel tab. The Fitness Overhead Ladder Weld Assembly shall be an all welded assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

UPRIGHT: The Upright shall be fabricated from 5" O.D. X .188" (7 gauge) wall galvanized steel tubing. The Upright shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

STEP PIPE: The Step Pipe shall be fabricated from 3 1/2" O.D. X .095" (13 gauge) wall aluminum tubing. The Step Pipe shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

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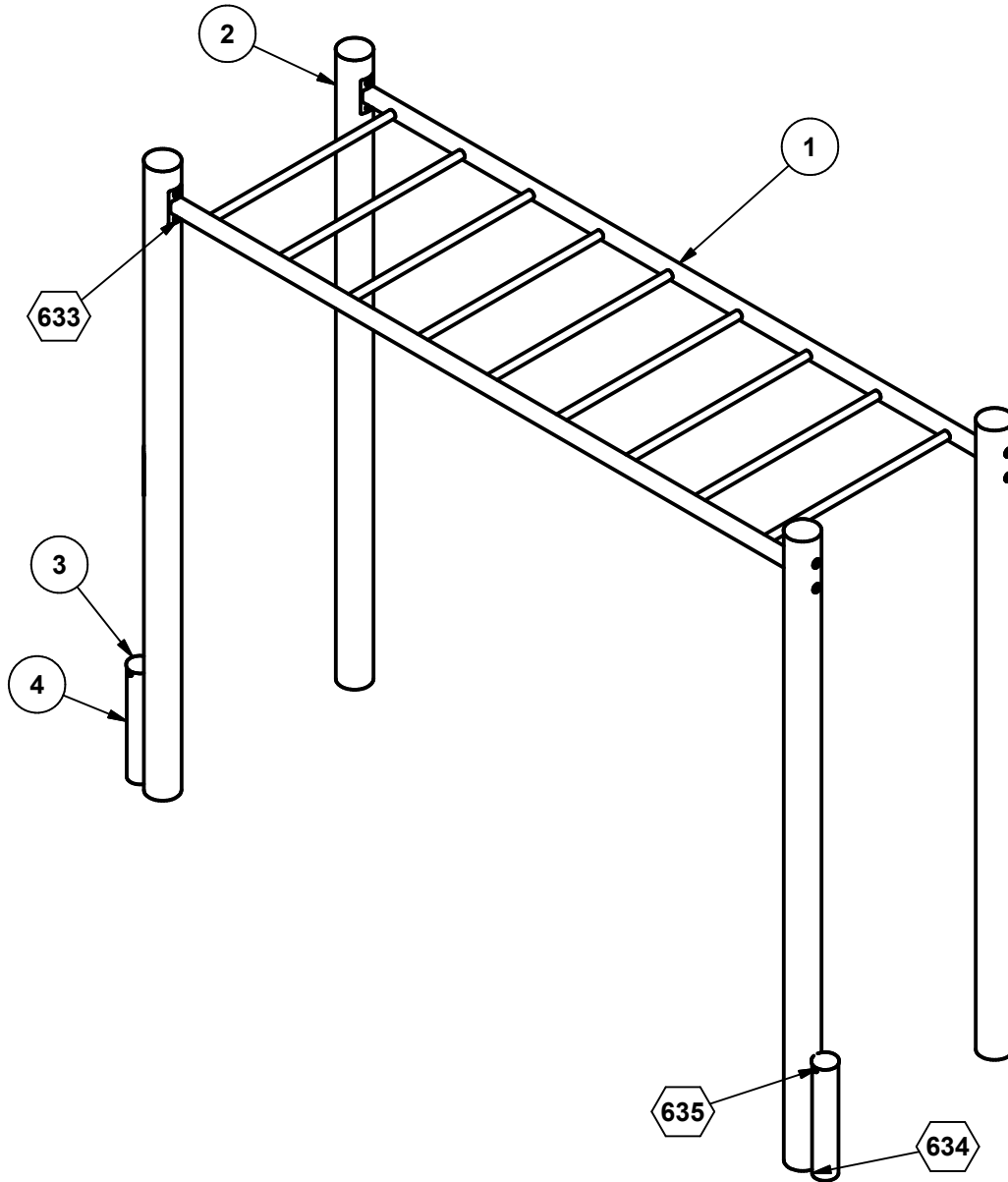
POWDER COAT FINISH: Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a four stage solvent / zirconium based bath system (free of iron phosphate), as a rust inhibitor, and a zirconium conversion coating to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: Two coat process to achieve 3.0 - 5.0 mil thickness and oven cured between 350 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 350 degrees Fahrenheit for 10 minutes.

HARDWARE: All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. NOTE: All weights are based on average comparisons of each part.

INSTALLATION INSTRUCTIONS:

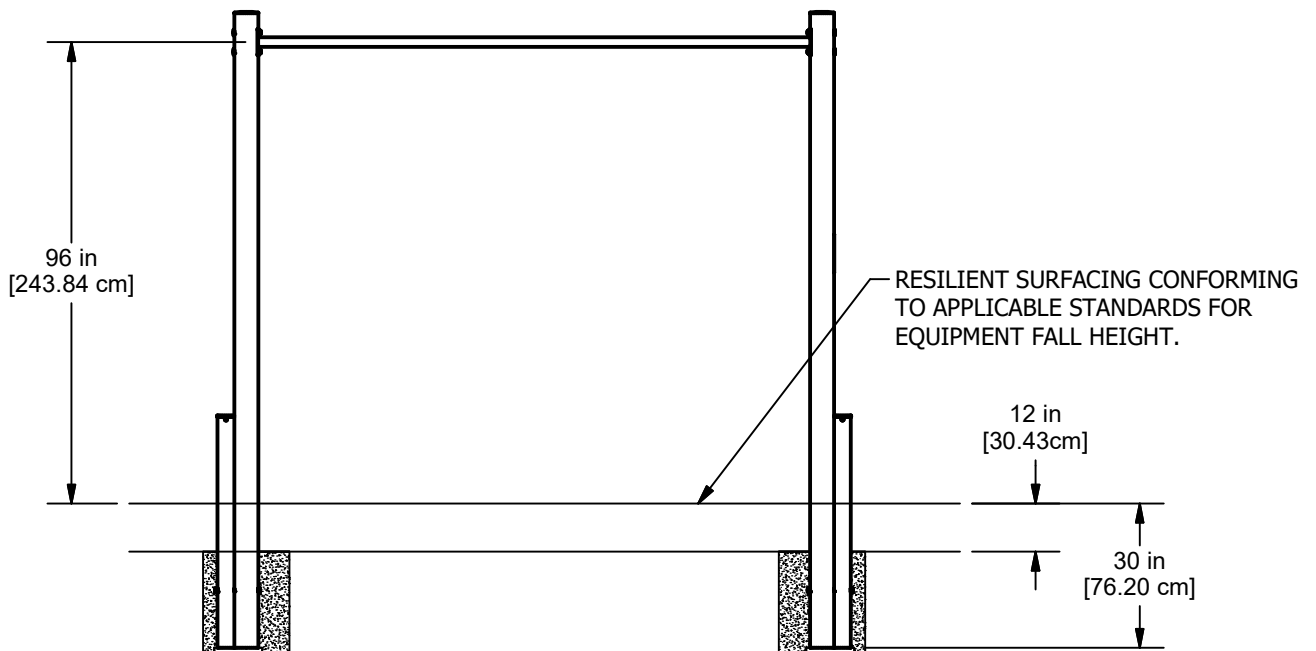
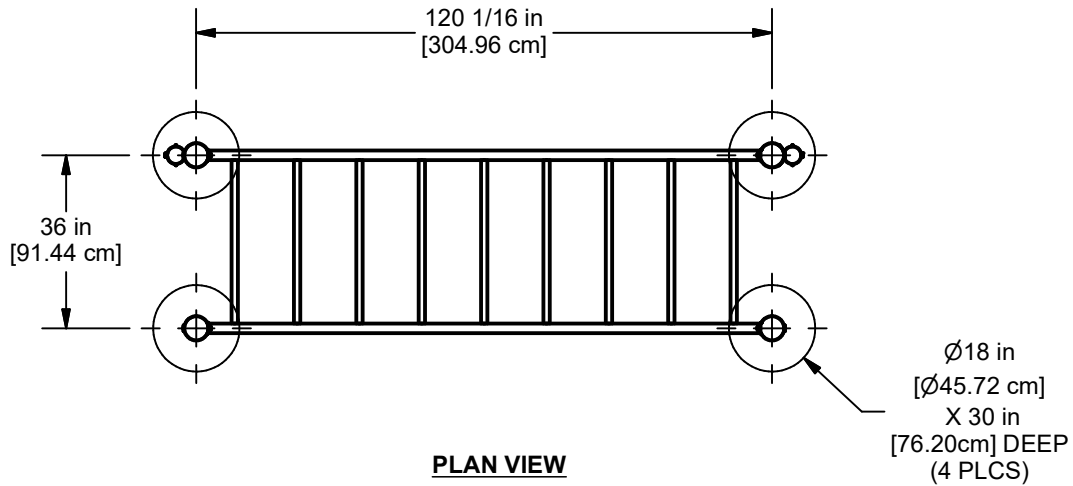
1. Dig footing holes as shown in Plan and Elevation Views. Place brick or equivalent in the bottom of hole to provide a solid foundation.
2. Attach Overhead Ladder to Uprights using 1/2" x 5 1/2" Button Head Cap Screw, 1/2" Lockwasher, 1/2" Flatwasher, and 1/2" T-Nut as shown in Detail 633. Insert 5" Injection Molded Cap.
3. Attach Step Pipe to Uprights using 1/2" x 9" Hex Head Bolt and 1/2" Hex Nut as shown in Detail 634.
4. Attach Flat Cap to Step Pipes using 1/4" x 3/4" Drive Rivets as shown in Detail 635.
5. Plumb and level the entire assembly and tighten all fasteners.
6. After entire unit is assembled, pour concrete footings as shown in Plan and Elevation Views. Allow to cure at least 48 hours before use. Note: Temporary bracing may be required until concrete cures.
7. When the structure is finished and satisfactory, eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

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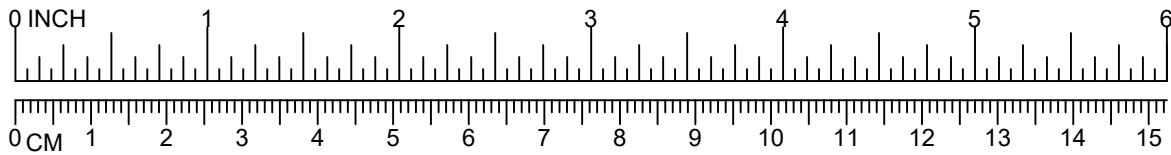


ASSEMBLY VIEW

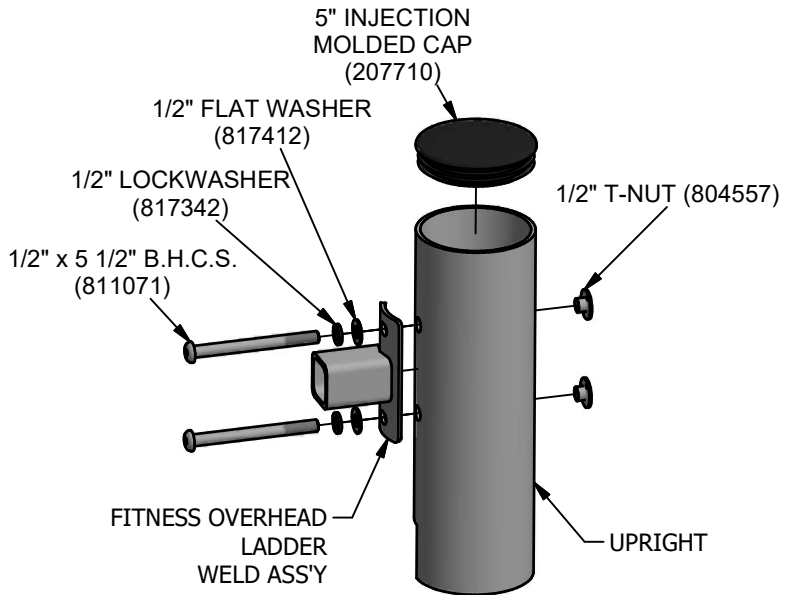
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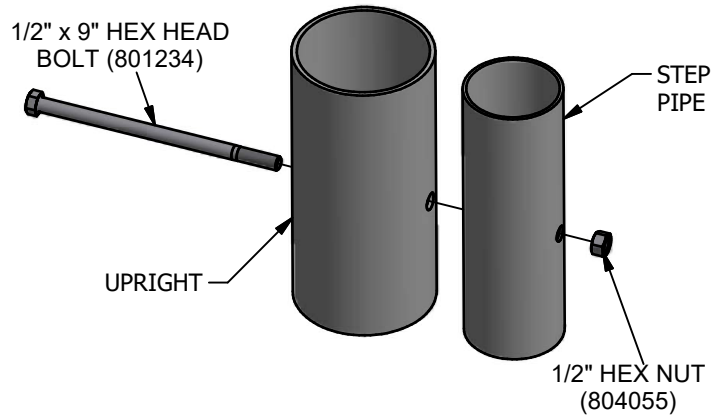
ELEVATION VIEW



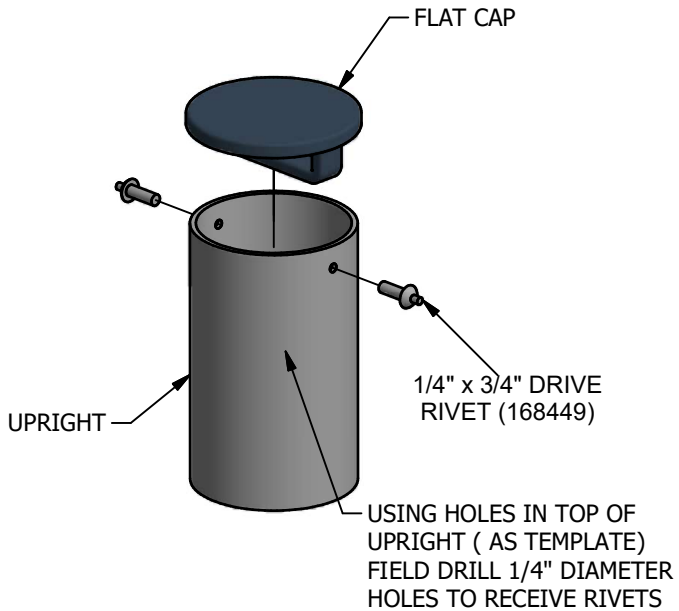
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633



634



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