

MATERIALS & TOOLS

I realize that the list may be overkill, however, I have endeavored to include everything I used. I'm certain that there are other Instructables members like myself that will want to know.

Materials	Tools
9 – 8" Diameter x 4' Sonotubes	Easy Auger with 8" & 12" Bits
1 – 18" Diameter x 12' Sonotube	Electric Concrete Mixer
35 – 80# Bags Concrete Mix	Electric Jackhammer
340 LF – 1.25" Type L Copper Pipe	Wheelbarrow
220 LF – 0.5" Type L Copper Pipe	1/4" -20 Tap & Die
8 – 1.25" Cross Fittings	Shovels
4 – 90° 1.25" Copper Fittings	Wire Tie Twister
8 - 45° 1.25" Copper Fittings	Spring Clamps
12 – 1.25" Copper Unions	2' & 4' Levels
24 – 1.25" Copper Single Socket Tees	Bullseye Level
28 1.25" Male Thread-Female Fittings	Transit
28 – 1.25" Galvanized Floor Flanges	Tripod
22 - 0.5" Copper Caps	Leveling Rod
16 – 2" Hollow Brass Balls	String Line
1 – ¼" x 24 x 36' Brass Rod	Drill Press
Wire Ties	Dust Masks
1/4" – 20 x 3.25" Brass Machine Screws	Safety Goggles
1/4" Brass Finish Washers	Gloves
1/4" Brass Finish Nuts	Hammer Drill
3/16" – 20 x 2.25" Brass Machine Screws	String Line
3/16" Brass Finish Washers	Angle Grinder w/Concrete Grinding Wheel
3/16" Brass Finish Nuts	Cordless Drills
Solder	Tubing Cutters
Flux	Pipe Sand Paper
Misc. Wood Screws	1.25" Int. Prep Brush
Wood Stakes	1/2" Int. Prep Brush
1/4" x 2.5" Tapcon Concrete Screws	Various Hand Tools
Marking Paint	Extension Cords
1/4" Galvanized Washers	GFCI
Tarn-X©	Drill Bits
Duck Adhesive Remover©	Marking Paint
De-Solv-It Contractors' Solvent©	Sawhorses
Acetone	Ratchet Straps
Duct Tape	1/4" Socket Set
Permanent Markers	Dust Brush
	Step Ladders
	Tape Measures

