

How to assemble a Obelisk

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SUBJECT: Instructional Manual Outline for How to built a Obelisk

How to build an Obelisk

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Basic Instructional Manual Outline

1.0 Introduction

This is an instruction manual to learn how to make an Obelisk. Obelisks are impressive supports for plants that have four sides and a top shaped portion that appears like a pyramid. Now that we understand what is an Obelisk. The manual will include the materials needed to create an Obelisk as well as vivid details of how to construct one.

1.1 Purpose

The purpose of the manual is to guide the reader in making his or her own Obelisk.

1.2 Intended Audience

This manual is for anyone who wants their very own Obelisk.

1.3 Scope

The manual will cover all the necessary steps in creating an Obelisk. For pure success, one should purchase all materials and tools mentioned.

1.4 Organization Description

First I will discuss how having an Obelisk is beneficial. Then I will discuss all the materials and tools needed. The following step will be how to cut the wood. Lastly, I will teach you how to assemble the Obelisk.

1.5 Conventions (abbreviations, left/right)

For the convention portion of the manual first one must pick the location they want the Obelisk to be in. Then one must purchase all the necessary tools if any are missing. Following, one should cut the wood to the precious measurement. Lastly, one should follow all the instructions mentioned in order to manufacture the obelisk accordingly.

1.6 Motivation (answers the “so what” question)

Obelisk could be a joy to have. It will keep your plants strong and healthy. So lift-up your potential and design your very own Obelisk. All you need to do is follow the manual step-by-step instructions on how to make one.

1.7 Safety and Disclaimers

Obelisk holds no dangers in having it, but one must have precautions when manufacturing one.

2.0 Description of Equipment

2.1 Illustration of the Equipment















Multi-Tasking
Protects your eyes from
impact, flying debris,
chemical splashes,
and heat.

Adjustable
Temples

Adjustable
Straps

REMOVABLE
LENSES
STAY SAFE.
STAY PRODUCTIVE.

HDX
First Aid Kit











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INNOVATION
FREQUENCY (HZ)
FREQUENCY (HZ)
FREQUENCY (HZ)
Mean Amplitude (Hz)
Amplitude (Hz)
Standard Deviation (Hz)





2.2 Description of Equipment's Parts

- The majority of the equipment utilized for the Obelisk is wood. The woods are of different sizes and shapes.
- The #8x 1 ¼- inch screws has a great clamping force. It has a flat head, coarse thread and sharp point.
- The #8x2-inch screw has a countersinking bugle head. It has a star drive for a firm starts and underestimated splitting.
 - The wood post cap is a decorative item placed on top of the Obelisk.
- A Drill is used for making holes, or putting in screws. A drill has a revolving cutting tip and runs on electricity.
 - Miter saw has a sharp blade used in a work piece to create precise crosscuts.
 - Ladder has steps and is used to reach high places.
- Eye protection is glasses made to prevent most mechanical and radiation injuries. The lenses are made of polycarbonate and keep a person's eyes safe.
 - Ear protection comes in different forms, some are earplugs, and others resemble headphones similar to beats. The function of ear protection is to shield the ear from disturbing noises that may cause deafness.

- Work gloves are designed to eliminate excessive wounds such as bruises, blisters, splinters, skin punctures or heat. The gloves are made from cotton or blends of polyester and cotton. The texture is soft and pliable.
- Tape measure is used for measuring items its like a ruler. A tape measure consists of a linear-measurement labeling ribbon of paper, acrylic, fibreglass or metal bar.
- Pencils are used to write or draw. In this case, the pencil is used to leave a mark to know where to cut the wood.

3.0 List of Materials and Equipment Needed

- 2x2s, 8 feet long (4)
- 1x2s, 8 feet long (5)
- #8x1¼-inch screws (44)
- #8x2-inch screws (4)
- Wood post cap (1)

3.1 Illustration of the Parts Needed to Carry Out the Instructions











INNOVATION
Frequency (Hz)
Frequency (Hz)
Frequency (Hz)
Mean Amplitude
Attention moyenn
Avec

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3.2 Tools Needed

- Drill
- Miter saw
- Ladder
- Eye and ear protection
- Work gloves
- Tape measure
- Pencil

3.3 Table of the parts with description of each

Miter saw	The Miter saw is best used for cutting wood. The miter saw has a laser beam to cut wood precisely to the laser line.
Drill	The 3/8 drill is useful for drilling holes or drilling screws on the obelisk
Ladder	A ladder helps an individual reach high places. The best ladder to use is 23 ft Reach MPXT Aluminum Multi-Position with Project Top.
Eye and ear protection	Eye and ear protection are used to keep your eyes and ears safe. Is best to use a Dewalt DpG82-11 concealer goggles. For your ears, an individual should use ear plugs.
Tape measure	Tape measure are used for measuring. A good tape measure to build an obelisk is

	Milwaukee 25 ft compact auto lock tape measures.
Pencil	The pencil is good to write for measurements
Work gloves	Milwaukee gloves are great for protecting individuals from severe cuts and burns.

4.0 Direction

4.1 The Task These Directions are Designed to Show
Following directions will allow you to create your Obelisk.

4.1.1 One must measure and cut the wood obelisk precisely by using a miter saw, and then cut 11 ½ degree angles at both ends of both of the bands.

4.1.2 Cut two 45-degree angles at one end of each of the four vertical decorative pieces using a miter saw, creating a point

4.1.3 Lay down two of the pieces of the 2x2 leg on a flat surface. Angle them so that the tops are spaced 1 inch apart from the two leg pieces and the bottom are spaced 21 ½ inches apart. Place one of the 21-inch bands 11 inches from the bottom of the legs and place it over the 2x2s.

4.1.4. Step 4 Make sure that the band is smooth and that the outside edges of each leg are flush with the angled ends of the band. Pilot holes through either end of the band in the legs by
Predrill

4.1.5 Attach the band to each of the legs, insert a 1 ¼-inch screw into both of the pilot holes. From the top of the first band, put one of the 15 ½-inch bands 16 ½ inches up and repeat the steps to secure the bands to the leg. Repeat to secure one of the 10 ½-inch bands to the legs, each spaced 16 ½ inches apart, and then one of the 5 ¼ inch bands. Repeat steps 4.1.3-4.1.5 to assemble the obelisk on the opposite.

4.1.6 Stand both sides up and position them to attach the two sides of the obelisk together so that the two pieces are leaning into each other, so that the tops are 1 inch apart and the bottoms are 21 ½ inches apart.

4.1.7 place one of the 22 ½ inch bands so that it sits on both halves of the obelisk perpendicular to the bottom bands, and the ends of each band are lined up with the ends of the bands that are already attached to the obelisk.

4.1.8 To line up with the inside bands, the exterior band should overlap the legs by $\frac{3}{4}$ inch. Pre-drill pilot holes in both legs through every end of the outer band and insert a 1 $\frac{1}{4}$ -inch screw into each hole to connect the band to both legs.

4.19 Step 9 Follow the instructions in steps 6-8 from the top of the obelisk to the bottom to connect the remaining three outside bands to the obelisk, beginning with 7-inch band at the top, then following 12-inch band, and finally the 17-inch band. To protect the fourth side, gently turn the obelisk over and repeat steps 6-9.

4.1.10 stands up the obelisk and then place the cap over the top of all four 2x2s. Pilot holes are pre-drilled into the cap and into each of the 2x2, so a 2 inch screw is pushed into each pilot hole to stabilize the obelisk cap.

4.1.11 beginning with one side of the obelisk, place one of the decorative vertical pieces so that it is centered on the inside of the horizontal bands between the legs. With the bottom edge of the longest horizontal band, the flat end of the decorative piece should be lined up, and the pointed end of the decorative piece should face up.

4.1.12 Confirm that the decorative part is centered and straight, then pre-drill the pilot holes into the vertical decorative part through each of the three horizontal bands, and drive 1 $\frac{1}{4}$ -inch screws into the pilot holes to attach the vertical decorative piece to the frame. To attach the remaining three decorative pieces to the frame repeat steps 4.1.11-4.1.12.

5.0 Troubleshooting

Moisture related Issues

- If the moisture content has risen above 20 percent, wood absorbs moisture from air and rots. Thus, using proper perseverance counseling, this concern will be resolved.

Insect invasion

- Termites could become an issue. Termites prefer wood and, if they find themselves close to your obelisk, there will be serious problems. Open invites for a termite assault are flat, exposed wood or rotted areas. The wood issues could attract other insects as well. So the best solution would be to contact an exterminator to keep your Obelisks and garden safe.

6.0 Glossary

Countersinking	To allow a primed depression to sink in order to be flush with or below surface.
Explicitly	Expressed or illustrated completely and noticeably; leaving nothing merely unstated.
Perpendicular	To a given arc, plane or surface at an angle of 90 degree

