

HART™



Haunted House Drop Door

by @houseonwilshire

PROJECT PLAN

Finished Dimensions: Varies Based on Desired Size

Skill Level: Intermediate

Materials

Item	Qty
Gate Latch	1
Underlay 4x8	1
2x2x8'	6
2' x 4' x 1/2" Plywood	1
2' x 4' x 1/8" Plywood	1
Screws	

* Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

Tools Used



Impact Driver



Drill



Circular Saw



Orbital Sander



Jigsaw

Also Needed: Clamps, Brad Nailer

Battery Tip: A 4.0 Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

Assembly Instructions

Step 1

Attach the 2'x2' around the frame of the 4'x8' sheet of plywood using screws or a brad nailer.

Step 2

Place the 2'x4' sheet of plywood inside the frame (try to keep it centered).

Step 3

Place the 2'x2' rails next to the sheet to use as your guide. Be sure the 2'x4' sheet can slide up and down the panel, and then attach the 2'x2' guide rails.

Step 4

Slide the 2'x4' sheet to the bottom of the panel and put a pencil mark across the top of the sheet.

Step 5

Measure up 2' and place another pencil line.

Step 6

Connect your two pencil lines one inch in from the guide rail and complete the pencil rectangle. This will be your opening.

Step 7

Cut out this rectangle using a jigsaw.

Step 8

Take a piece of 2'x2' and attach it to the top of your 2'x4' sheet of plywood (door).

Step 9

Use a 2'x4' and place it across the top of your opening 1" up.

Step 10

With the door the whole way up, place screws 3" up the insides of the guide rails. Now lower the door to the bottom and place the screws 2" down on the insides of the guide rails. (This will act as a guide so the sliding door doesn't come out.)

Step 11

Attach another sheet of thin plywood (approximately 27"x24") at the bottom of the opening, covering up the inside of the rails where the window drops. This will prevent the drop door from smashing toes. (Don't come up too high - when the door drops it could catch your fingers.)

Step 12

With the door the whole way up, attach the gate latch. The straight piece will be attached to the drop door, and then attach the latch to your 2'x4'. Depending on the latch, you may need spacers to make it fit properly.

Step 13

Paint it black and decorate it for your haunted house.