

How to Finish an Airport Terminal Building



Basic Airport Terminal Assembly

How to Finish an Airport Terminal Building

Each part of this Airport Terminal Building is sold separately.

The main building is printed in white natural versatile plastic. The building windows and doors have recessed areas around inside of their openings to accommodate window frames.

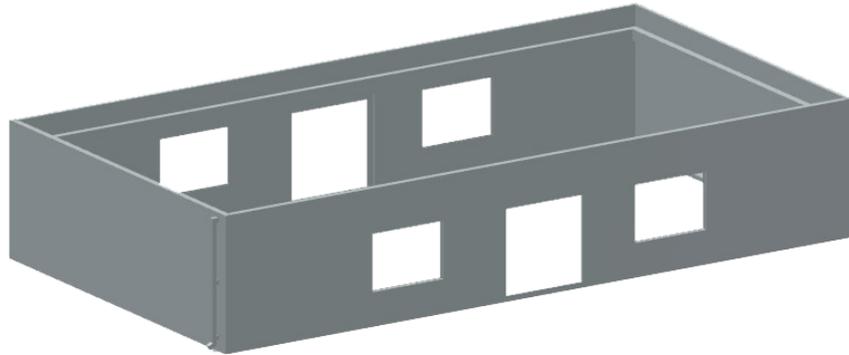
The window frames (sold separately) are printed in fine detail plastic and can be painted a different color than the building prior to assembly (i.e. silver or aluminum color).

It may seem strange, however the roof is sold separately as an option. 3D printed plastic sheets are pricy. If you have the tools and skills, I found it much more economical to cut your own roof from a 0.06" sheet of styrene plastic found at hobby shops. (I ordered mine from MicroMark.)

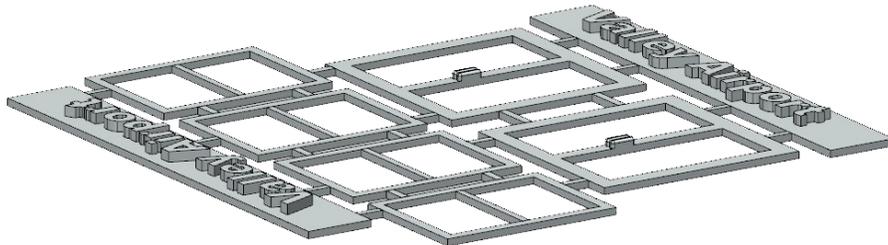
However, if you don't have the tools or skills, I offer a roof on my website.

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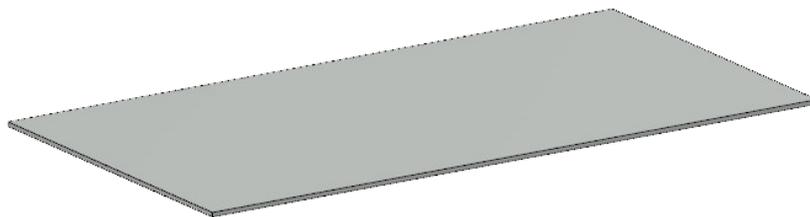
Suggested Basic Parts



Building Walls Only
Part # AT-003



Window, Door Frames & Signs
Part # AT-004



Roof Only (Optional)
Part # AT-005

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Suggested Materials



Painter's Tape



Mini Swabs



White Glue



Tacky Spray Glue



0.06" Styrene Plastic



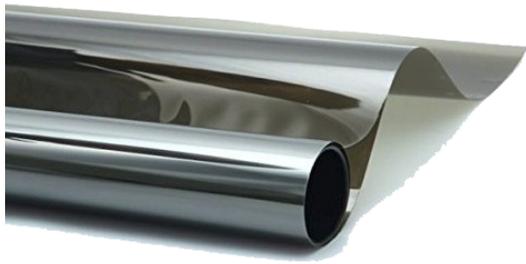
1/2" Foam Insulation



Card Stock Paper

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Suggested Materials (con'd)



Window Glazing

OR



Plastic Document Protector



Gray Spray Paint



**Silver or Aluminum
Spray Paint**

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Suggested Tools



Exacto Knife



Utility Knife



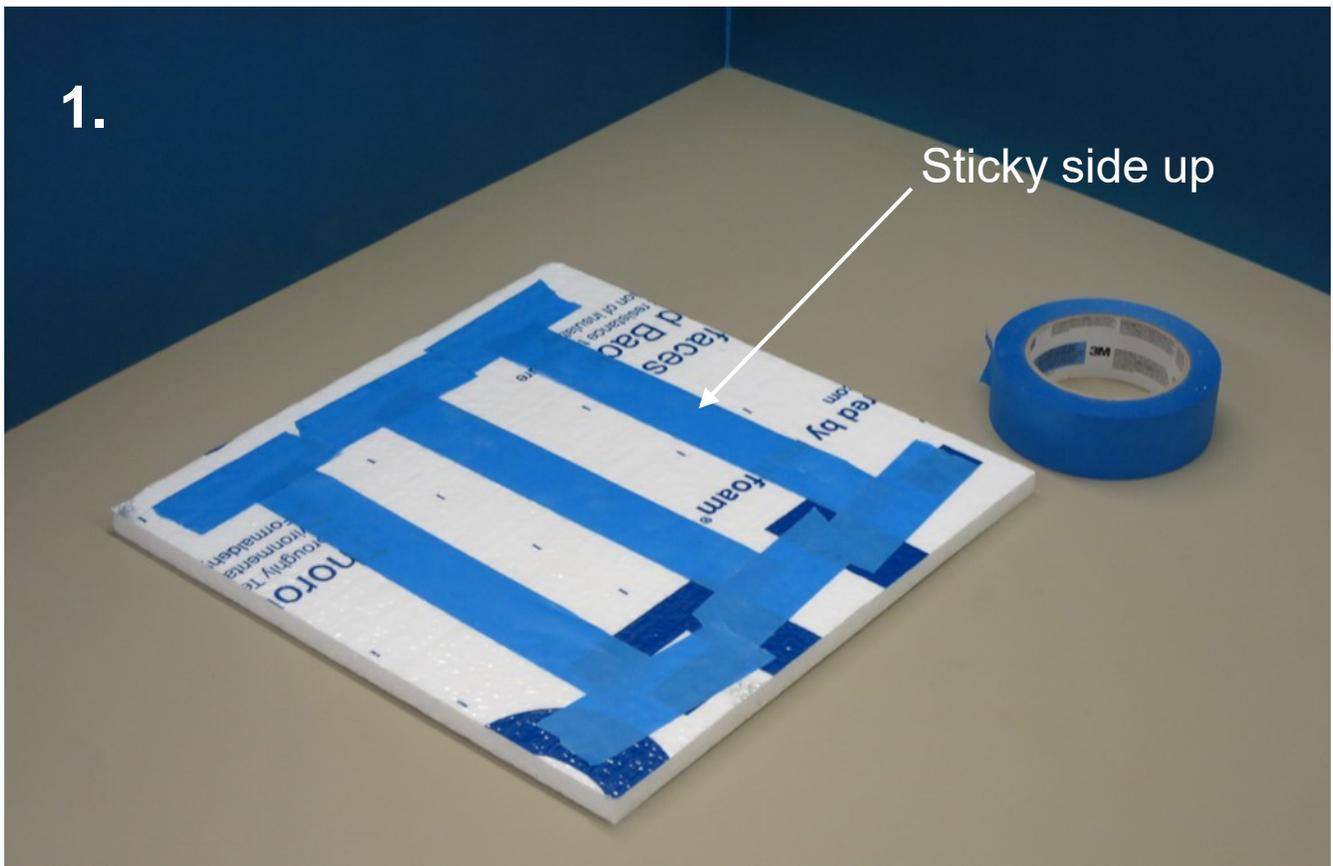
Scissors



Radial-Arm Saw

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Prepare a paint holder for small plastic parts

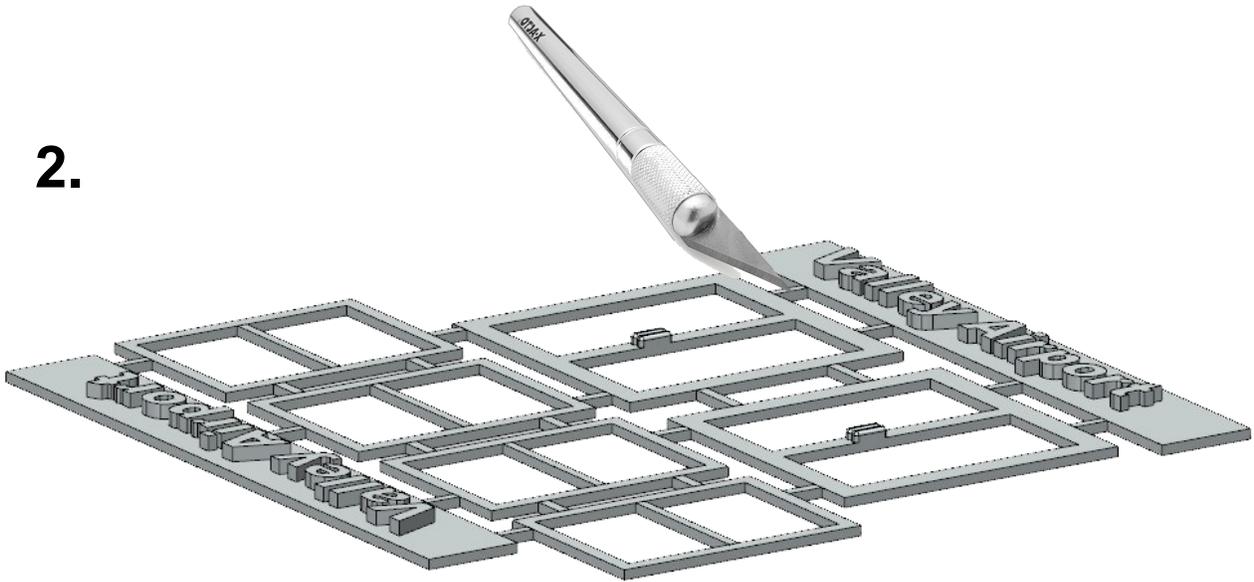


This is my way of painting small, light, plastic parts:

- Cut out a couple pieces of 1/2" foam insulation about 12" wide x 12" long to use as a holder while painting your parts. Lay one of the pieces flat on your workbench.
- Tear off 2 pieces of 1" blue painters tape about 3" long and tack them to the edge of your workbench.
- Tear off a piece of blue painter's tape about 8" long and place it along the middle of the piece of insulation with the sticky side up. Using one of the short pieces of tape, secure one end of this 8" piece of tape to the insulation. Stretch the 8" piece of tap across the insulation and secure the other end with a short piece of tape. Repeat this process for a as many rows as needed to paint all parts.
- Now, you have a sticky surface to hold your work while you paint.

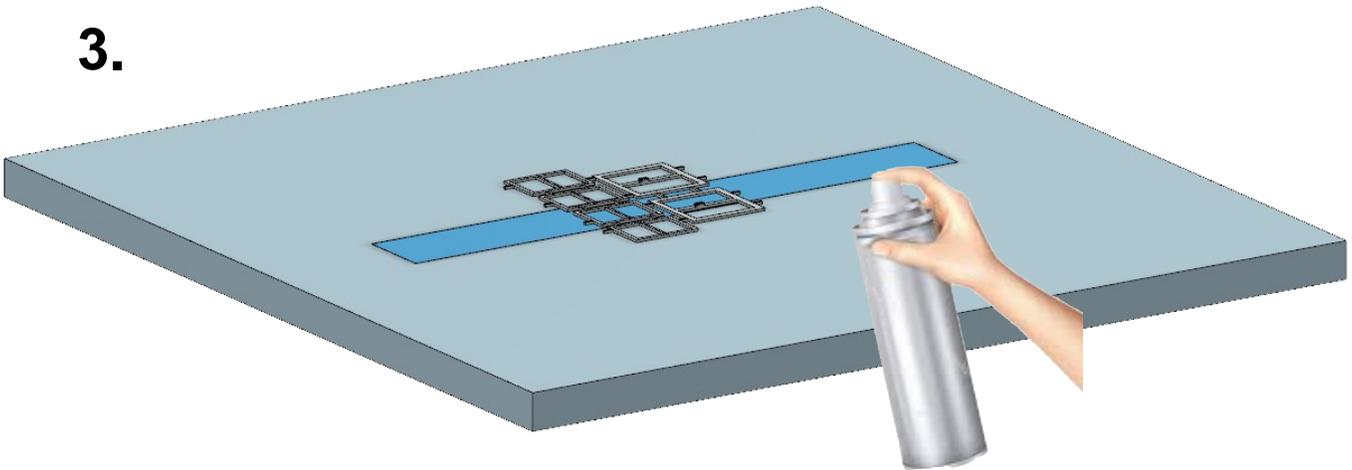
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2.



Use an Exacto Knife to cut away the Airport Signs from Part # AT-004 and set them aside for now.

3.

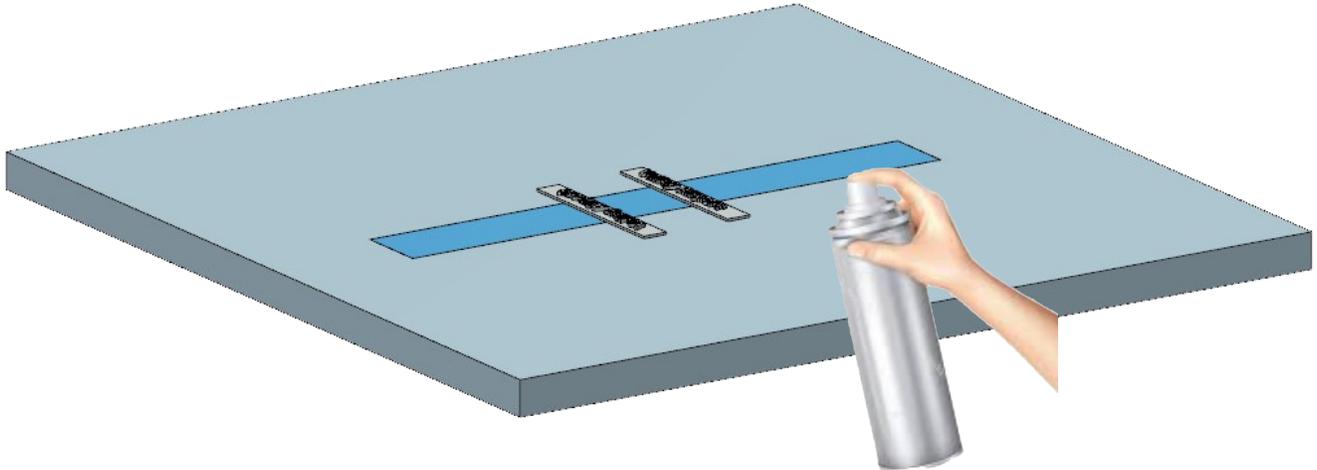


Prepare a part painting holder similar to the one shown on page-7, using styrofoam and blue painter's tape. You'll only need 1-strip.

Stick the frames on the tape with the door handles up. Then spray the entire assembly with a silver or aluminum color of paint and set aside to dry.

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4.



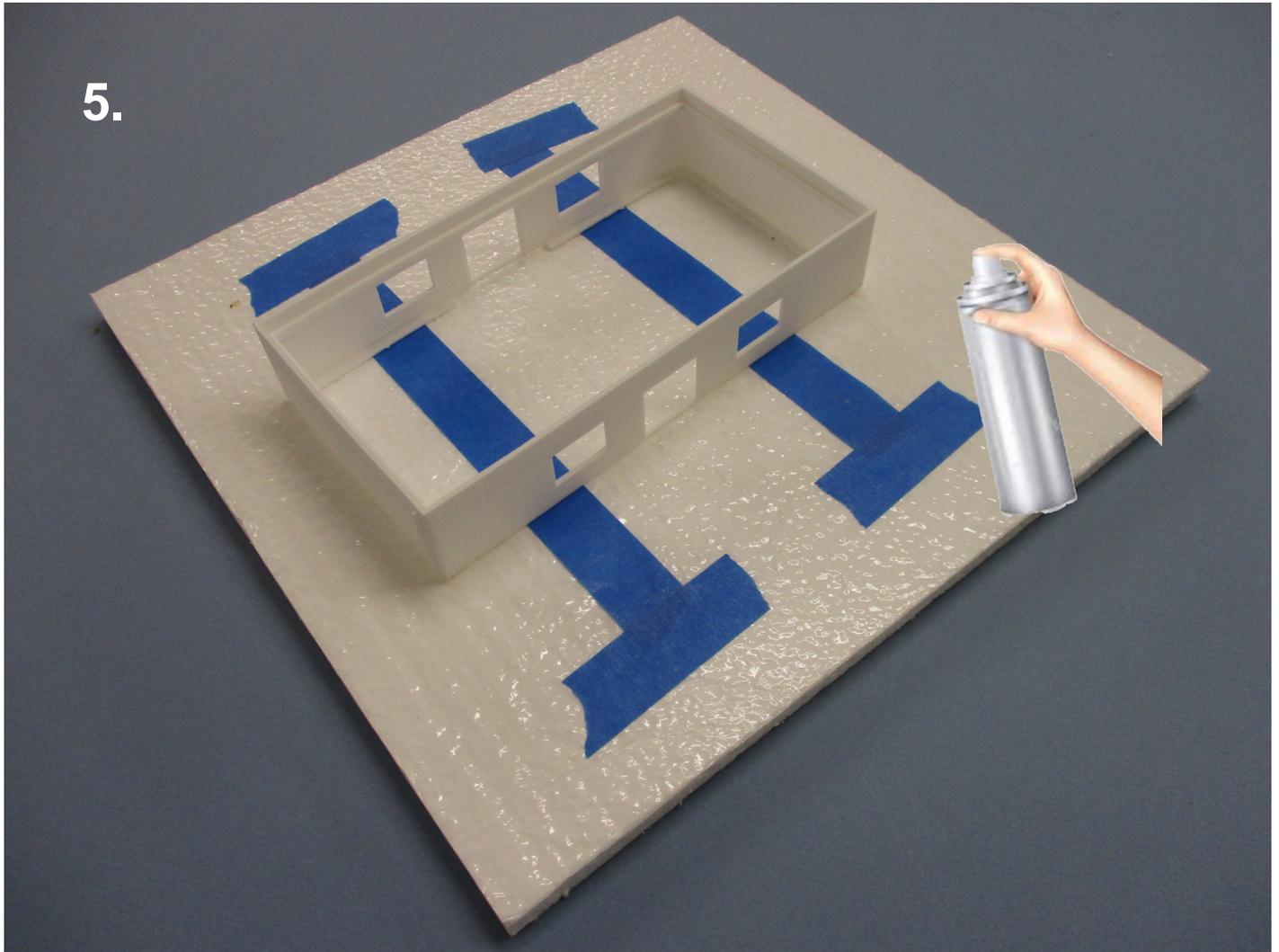
Prepare a another part painting holder similar to the one shown on page-7, using styrofoam and blue painter's tape. You'll only need 1-strip.

Stick the Airport Signs on the tape with the Lettering up. Then, spray the entire assembly with a white or contrasting plastic bonding paint and set aside to dry.

Carefully coat the front side of the airport sign with a chisel-shape, black indelible marking pen.

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5.



Prepare a part painting holder similar to the one shown on page-7, using styrofoam and blue painter's tape. This time, you'll only need 2-strips of painter's tape.

Paint the entire building a color of your choice (not including the window and door frames or airport sign). Spray paint with a plastic bonding paint. I have good luck with Rust-O-Leum 2x. I painted my airport buildings light gray.

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6.



This model comes without a roof. Printing 3D models is not cheap. For my own layout, I found it much cheaper to cut out a roof from a sheet of 0.06" styrene plastic (3.938" wide x 7.563" long).

I suggest a radial arm saw for the job. It would help save the fingers. However if you don't have the proper tools or skills, I offer a 3D roof. (part # AT-005)

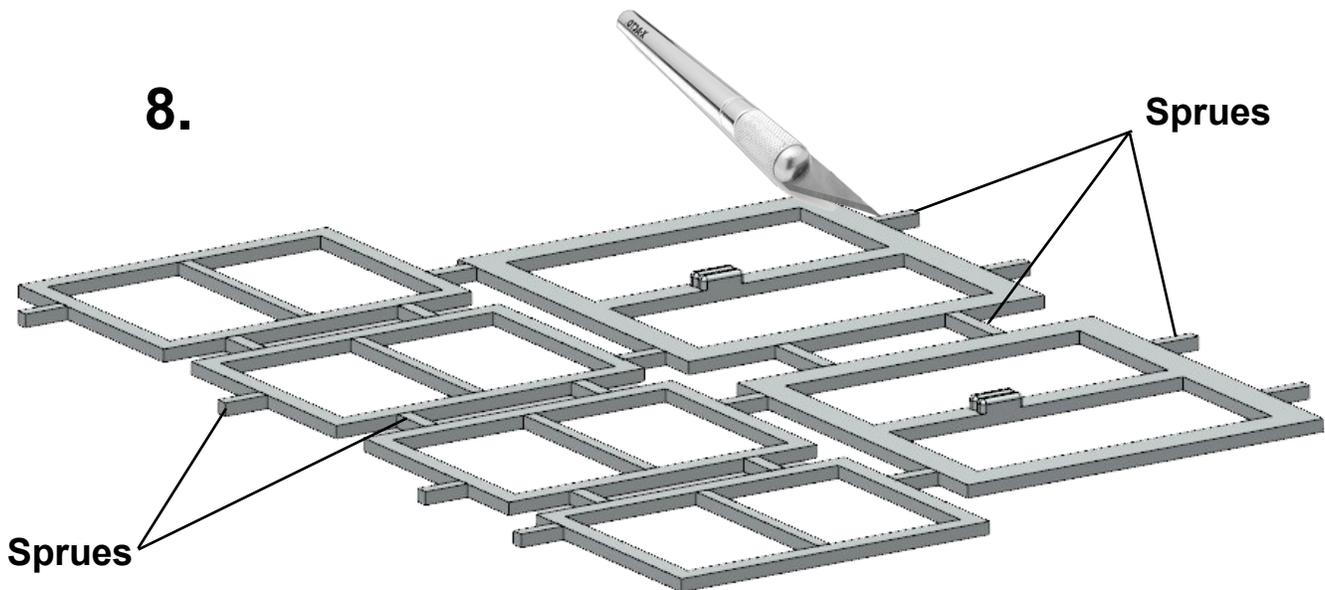
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7.



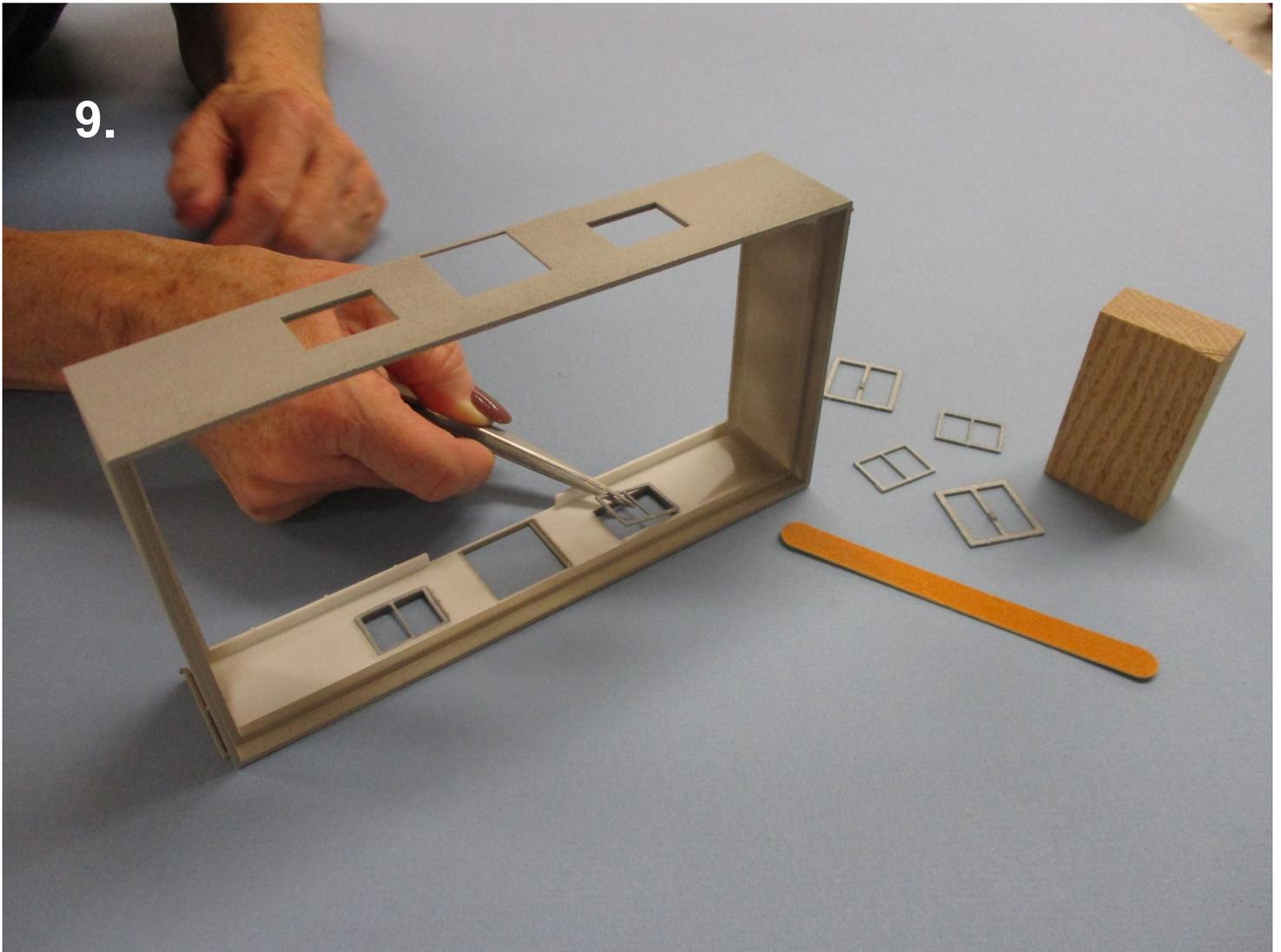
Spray paint the entire roof with a dark grey plastic bonding paint to resemble a tar-coated roof.

8.



Trim away and dispose of the short attachment connectors called "sprues" from all parts. The sprues are similar to the old injection molding framework of plastic models. They make the model an integral unit which keeps the printing cost down.

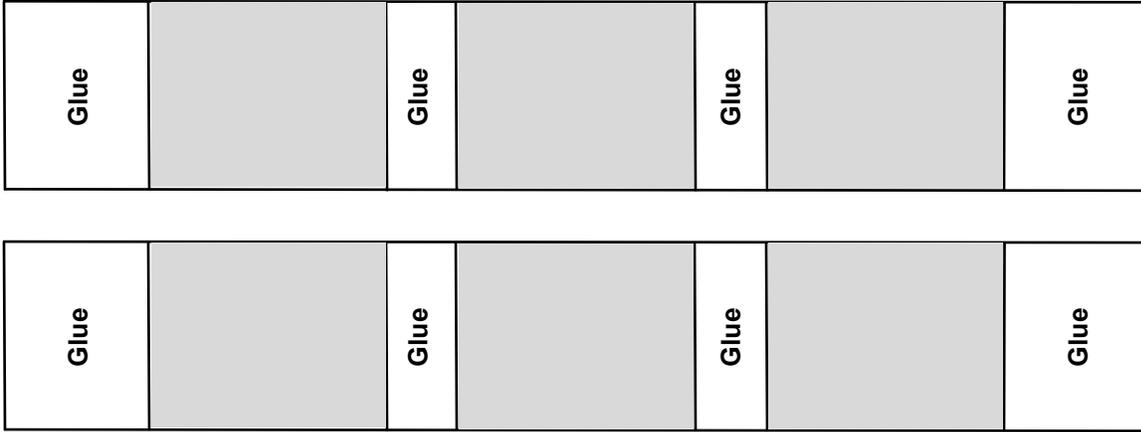
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Clean any residue from each door and window frame with an Exacto Knife and/or nail file. Add a small amount of white glue to the corners of each window and door frame groove opening and insert frames, paint-faces down with a pair of tweezers. All of the window openings are the same size, as well as the door openings.

I use a small block of wood as weight until the glue dries.

10.

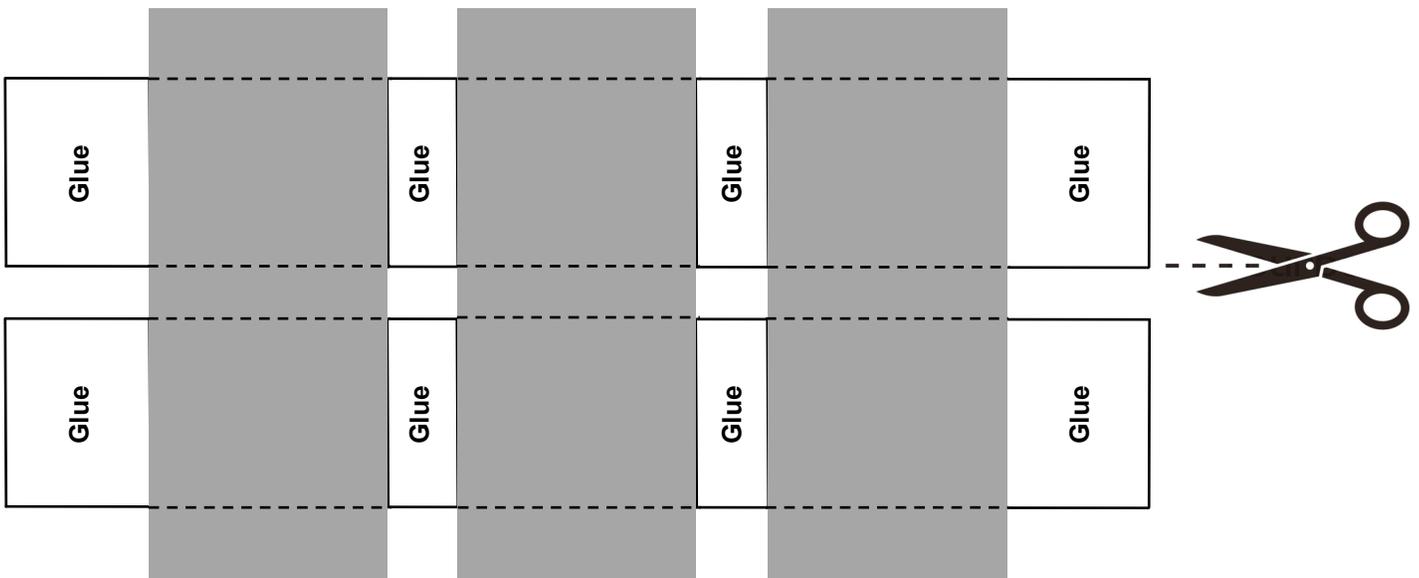


Print this page on card stock paper.

Cut out 3-strips of window film or document protector plastic 1 1/4" long x 3" wide.

Spray the Window film or document protector and the top section of this page with tacky spray glue. Wait about a minute and glue each film strip onto this page as shown below.

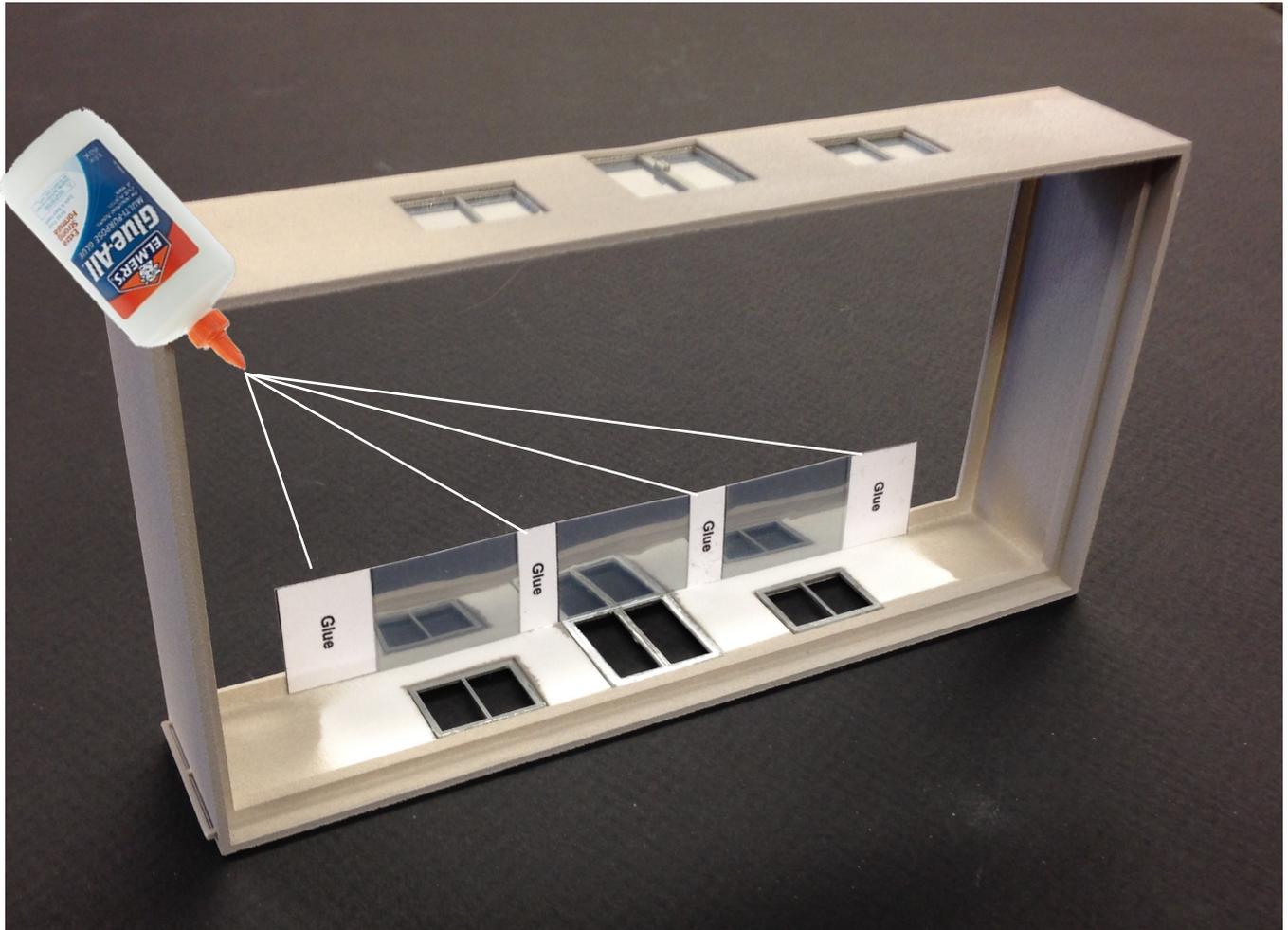
11.



Let the glue dry, then use a pair of scissors to cut out both sets of windows.

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12.

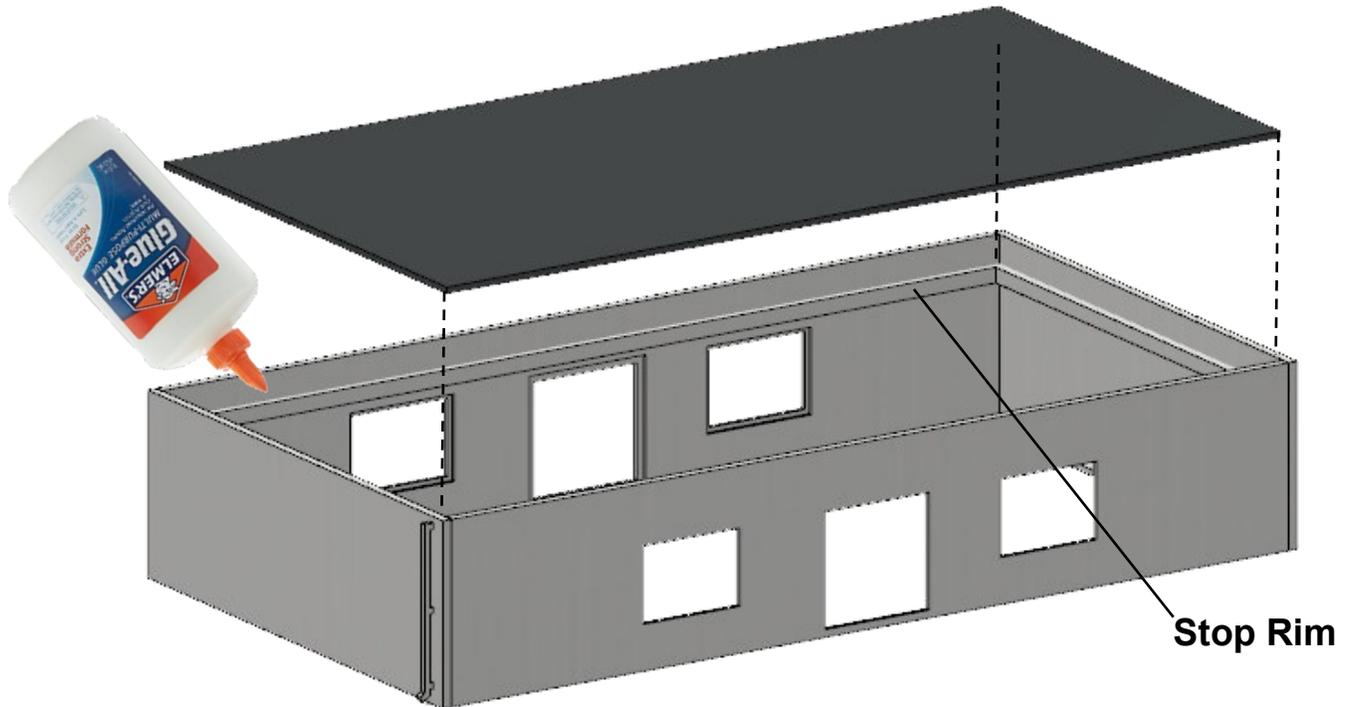


Apply a moderate coat of glue to each area marked “Glue”, align the strip with the windows and press the strip into place.

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Install the Roof

13.



Apply a light coat of white glue along the top edge of the building's roof stop rim. Then seat the roof against the rim.

Sample Airport Terminal Assembly



Layout Sample
(All parts sold separately)