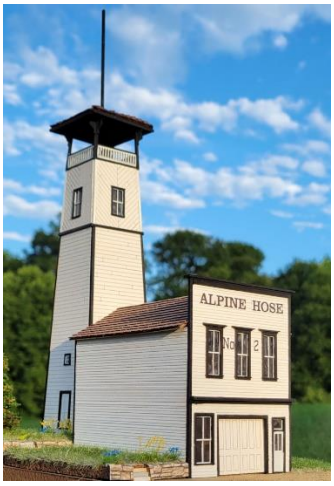
Georgetown Fire House

Formerly Built By

SUGAR PINE MODELS
LEGACY MODEL RAILROAD KITS REIMAGINED FOR THE FUTURE
A DIVISION OF CONOWINGO MODELS

HO scale



www.conowingomodels.com
https://www.facebook.com/ConowingoModels/
conowingomodels@yahoo.com

Thank you for purchasing this kit!

This kit is based on the Georgetown, Colorado Hose Company Number 2 Fire House. The building was constructed in 1880. It survives today as the Georgetown Fireman's Museum.

The kit itself was originally built by Sugar Pine Models. Sugar Pine changed hands several times over the years. The kit you have before you today has been updated and modernized to bring you a modern, craftsman kit that is fairly easy to construct.

See conowingomodels.com for more info and tips on the instructions below. Additionally, we occasionally update instructions based on your feedback and recommend that you check the website for updated instructions before beginning construction.

INDEX

Unlike most Conowingo Models kits, the instructions for this kit DO NOT skip around.

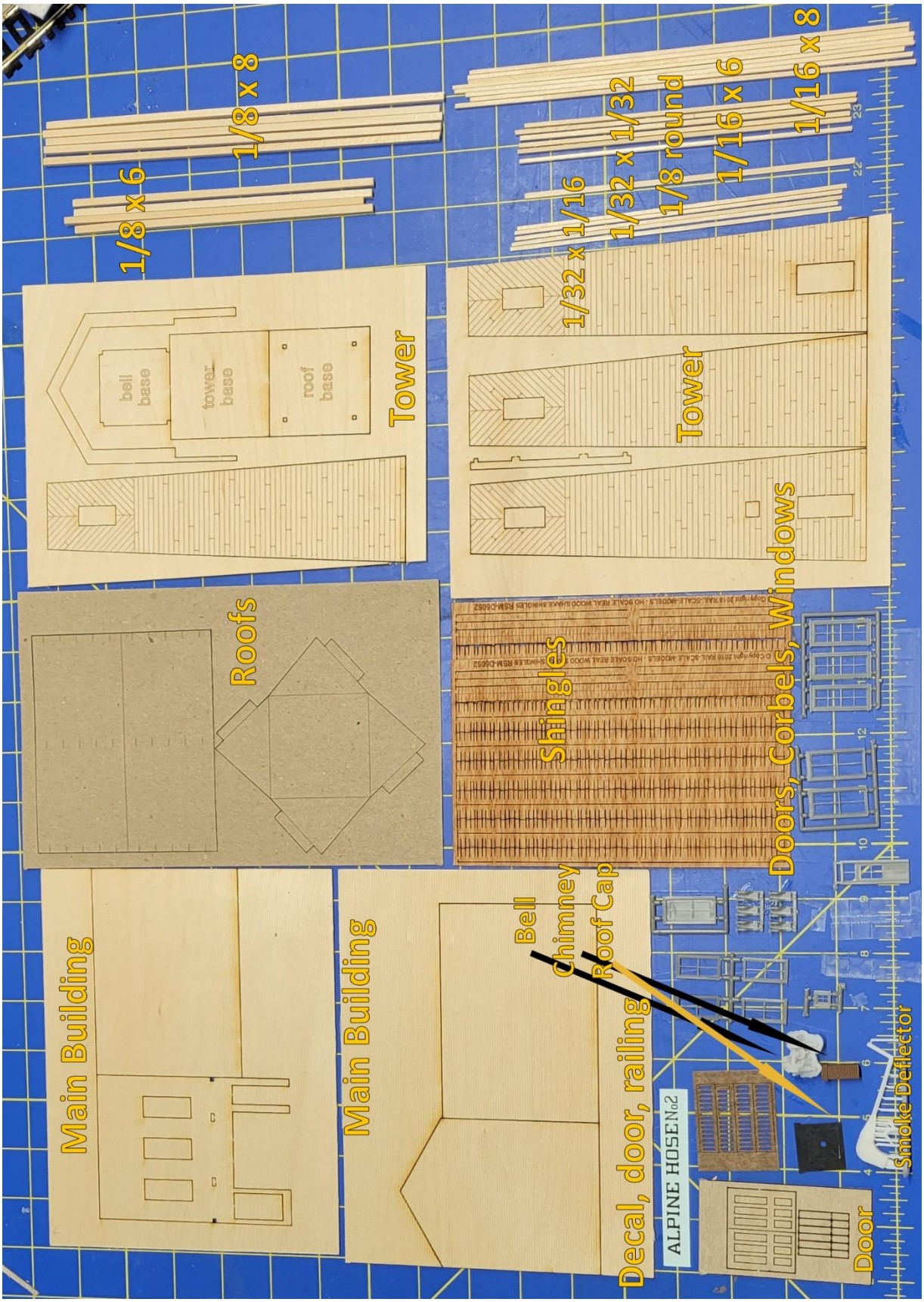
OPTIONS

This kit doesn't really offer any options, but perhaps you have something in mind. The Sugar Pine pilot model was painted red with white trim, which is much more traditional for a firehouse. Additionally, if you research the Georgetown Colorado Fire House, you will see that there have been some variations on the paint scheme over the years.

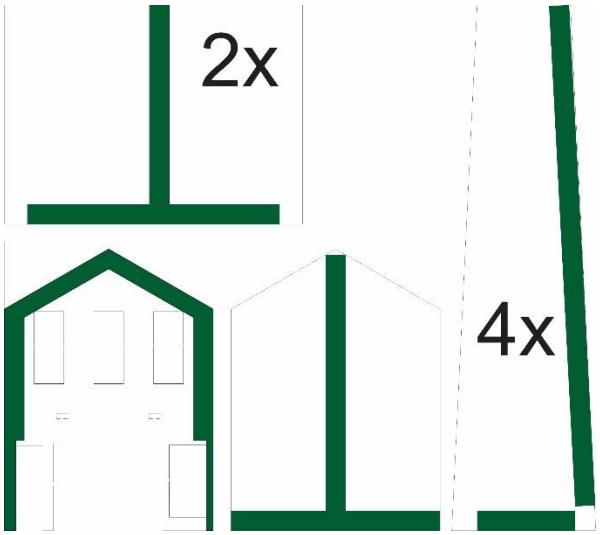
There are no visible window shades on the real building, and therefore, not in the kit. You may consider painting the insides before the construction step or possibly adding window shades/ curtains. The pilot model was not painted and did not receive shades.

The real building was built into a hill. The tower is at an elevation approximately five feet higher than the main building. You may choose to duplicate this or do something else.

KIT CONTENTS



BRACING



1. Begin by glueing the 1/16 cutout to the backside of the false-front as shown above on the left. It should fit evenly with no parts sticking out on the sides or interfering with any doors or windows.

2. Cut and glue the 1/8 stripwood into place as shown above.

   Only use the four longest pieces of 1/8 stripwood for the tower bracing.

   All bracing goes on the inside pieces and does not protrude.

   Ensure there will be adequate clearance on each piece.

   All four pieces should be uniform, regardless of doors and windows.

DETAIL PREP

1. Remove the doors and windows from their carriers, ensuring you remove all of the spue from each.

2. The front door will need to have the horizontal mulleins removed in order to match the real door.

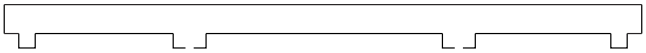
3. We need to modify the corbels. Carefully remove them from their attaching wall as shown above. You will need 12, but we've included extra, just to be safe.

4. On the sheet with the garage door, there are twelve rectangles. Cut the rectangular pieces out and glue them into place on the door. We apologize in advance for the plywood cuts. The laser cutter and plywood are not friends.

5. Decide if you are going to cut the roof/building to add the chimney or cut an inverted V shape in the bottom so it fits. If you are going for the V option, we recommend using the end wall as a guide and cut it now.

PAINTING

1. Paint – **FLAT BLACK**
   3D printed bell assembly (use brass on the bell itself)
   Corbels
   "Fluted" chimney cover
   Flag Pole
   Tower Floor
   Tower Ceiling (sides and underside)
   All remaining stripwood
   The piece of 1/16 decorative trim that looks like this-



2. Paint – **FLAT WHITE**
   All doors and windows
   All pieces of clapboard
   All four pieces of lattice for the bell tower railing.

3. Paint – **FLAT GREY/CEMENT**
   Tower base. Ensure you get the sides.

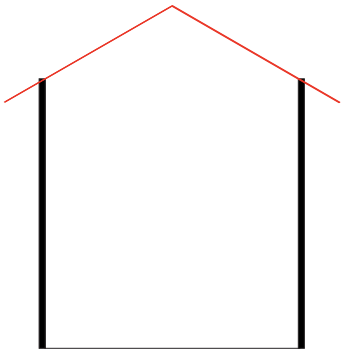
4. Paint – **FLAT BRICK RED**
   Chimney

5. When the doors and windows are dry, paint the frames of each **BLACK**, except for the garage door.

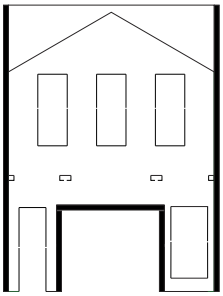
CORNERS

1. Glue the four longest pieces of 1/16 stripwood to the **outer** edge of each tower wall.

   We recommend that you glue the 1/16 to the same side as the bracing. This will help form a pocket to rest the adjoining wall to.



2. Add the 1/16 bracing to the outside of the rear wall of the main building. Cut the top even with the roofline as shown in red.



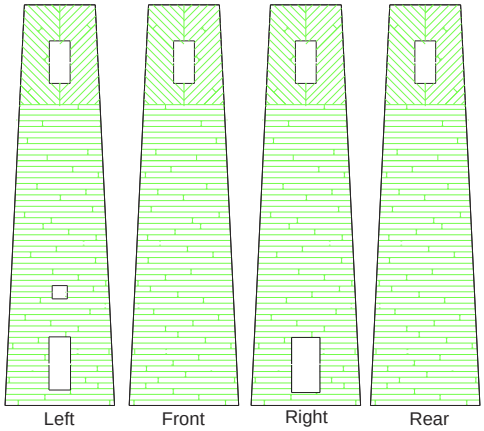
3. Add the 1/16 bracing to the outside of the front wall of the main building as shown above.

4. Add the 1/16 bracing to the garage door of the firehouse. We recommend making the horizontal, top piece go all the way across, then adding the sides under.

CONSTRUCTION

1. Glue the four walls for the main building together. The sidewalls are interchangeable.

Ensure the building is supported so that it will dry squarely.



2. Gather the four walls for the tower and arrange them as shown above. (Corner bracing not shown)

3. Plan how you are going to hold the structure together squarely and so that there are no gaps between walls while drying. The pilot model didn't dry uniformly and there are gaps in it.

We recommend rubber bands, but also used some clamps when trying to fix the issue.

4. Once you're happy with your plan, glue the walls together and apply your support to keep it together.

5. When dry, center and glue into place the Tower Floor on the top of the tower.

ROOFING

We included two sheets of real cedar shingles. We were able to cover the roof on both the main building and tower with a small bit leftover. (Funny how that worked out.) We are a bit frugal when it comes to applying shingles. If you need to order more, they can be obtained from rail-scale-models.com RSM-502

MAIN BUILDING ROOF

1. Cut out and bend the main building roof in the middle. There is an etched line that will indicate which way the roof goes.

   If the roof bends in a ^ shape, then that's how it will sit on the building.

   You will also note that there are guide marks to help align the shingles.

2. Add a starter strip at the bottom row of both sides of the main building roof.

   We've included shingles with an adhesive backing, which makes your life easier, unless you place them in the wrong spot. Oops

   The shingles are quite brittle, but aren't hard to work with.

   We recommend that, if you can, avoid having a cluster of a few (or less shingles) on the end. This will help with clean-up later.

   It will help to overlap the shingles

3. Add a strip of shingles, making every attempt to keep them even, using the guide marks.

   Overlap the shingles in a manner so that the shingles don't look like sheets. They should all look like individually cut shingles.

   Alternate sides, so that your distribution is even. You don't want six rows on one side and eight on the other. It will not look good.

4. At the top, it may be necessary to trim the top of the top row so that the shingles meet in the middle without interference.

DO NOT ADD THE RIDGE CAP YET!

5. Once this portion of the roofing has been completed, trim the edges as follows-

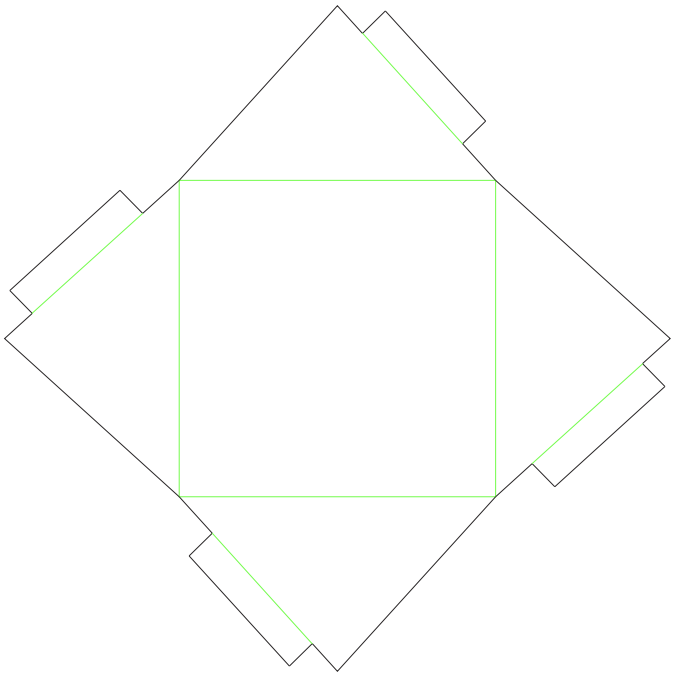
   Shingle side down, apply a lot of pressure. This helps keep the shingles from moving.

   Using a SHARP hobby knife, trim the side edges, ensuring they are even.

6. Glue the roof into place, with one end butted against the backside of the false front.

7. At the top, add a layer of the ridge cap pieces. They will bend in the middle, but will need some help doing so. Applying them properly and evenly is the toughest part of this process, so take your time.

TOWER ROOFING



1. Taking the chip board piece for the tower roof, fold the four walls outward, along the longer set of engraved lines. You want to form a pyramid with the newly-formed square on the bottom.

2. Fold the smaller sets of engraved lines inward. These tabs will be used to glue the four roof walls together.

   These tabs can go either on top of the next wall or under it.

   Under is ideal, but it doesn't usually fit together easily.

   However, over causes the roof to be slightly uneven. With shingles, it's not noticeable.

   Either way, glue the tabs into place before continuing.

3. Shingle this roof on the tower as before, with the following exceptions.

   It will help to trim the corners as you go. To do this fit the shingles, mark where it will match the edge and cut. Then, remove the backing and put the shingles into place.

   It will look jagged, but you'll fix that in a few steps.

   Lining up the rows will be a bit tougher than on the main roof, but you should do all of the bottom row, first. Then, next row, etc.

   Keep the scraps as you will need them.

4. Once the roofing has been completed, cut the scraps of roofing into groups of two shingles so that they look like the ridge cap on the main building.

5. Starting at the bottom, work your way to the top.

6. Once that has been completed, cut scraps to fit between the caps and the rows of shingles to fill in the gaps that were mentioned in step 9.

7. Glue the lightning rod into place.

8. Glue the roof to the Tower Ceiling. You may choose to use CA and some pressure so there is no bulge under the roof where it contacts the Tower Ceiling.

9. Glue the bell onto the center of the Tower Floor, with the bell crank at the front of the tower.

10. This step and the next two should be done together, in relatively short succession.

    Take (4) 1-inch pieces of the 1/16 stripwood and glue each into one of the top corners of the tower.

    We used Aileen's for this step, because it adds some flexibility and gives you some time to get everything in the proper position.

11. Take the railings and glue them into place, between the pieces of 1/16, and resting on the floor.

    You will notice that the sides are contoured. This should fit against the 1/16.

    The designs cut into the railing should point up.

12. You will notice that on the Tower Ceiling there are four holes.

    Add some glue to each hole and align it with the four pieces of 1/16 mentioned in step 10.

    Ensure that the tower roof sits squarely on top of the tower and that the railings are even.

13. Fit, cut and glue into place (4) pieces of 1/16 x 1/32 stripwood onto the top of the railing.

    The wider side goes down.

    You will add the cornices later because you want the glue to dry first.

WINDOW/DOOR/DETAIL FINISHING

1. Using a clear drying glue, apply the respective pieces of acetate in the windows and doors.

2. Glue the chimney flute into place on top of the chimney.

3. Finish the mortar on the chimney. We use either spackling compound or drywall patch. Smear it on and wipe the excess off. It may take a few tries and some finesse to get the look you want.

4. If you had decided to cut the roof to fit the chimney, do that now.

5. When the glue on the doors and windows has dried, glue them into place, except for the garage door.

6. Add the chimney when the assembly is dry. It goes on the peak of the roof.

TRIM

This building has a surprising amount of trim on it, which really makes this building pop.

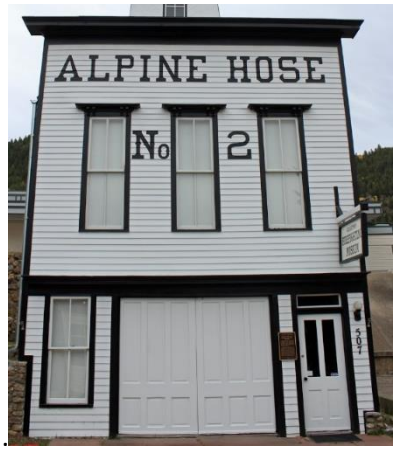
1. Cut down the corbels so they are two individual pieces instead of one.

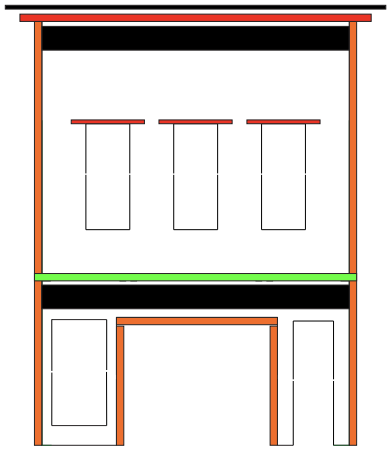
   You will need 6.

   We included extras because they do break easily.

2. Take the corbel and glue three on each piece of the 1/16 supports at the top of the bell tower and to the underside of the roof as shown above step 1.

   We did not have the same style of corbel like on the real building, but decided to include the same ones used on the Sugar Pine kit as kind of an homage to the original kit.





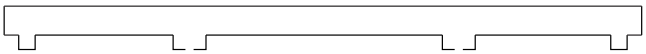
3. Fit, cut and glue into place 1/32 x 1/16 stripwood as shown above and described below.

   We left spaces on our diagram to show the different pieces.

Black pieces – Fit between the corner pieces and on top.

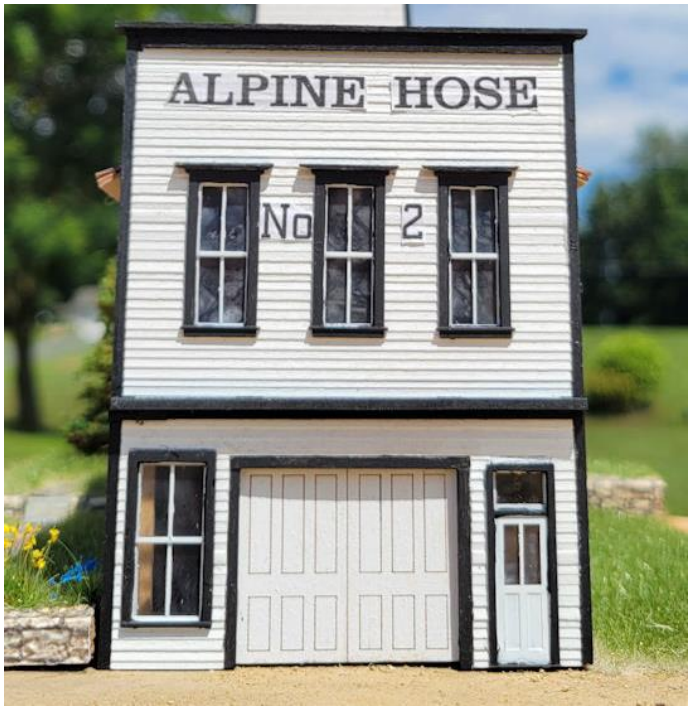
Red pieces – Contour the stripwood to fit as shown in the photo. If you have an Ultimation Sander, this is a perfect use of it. If not, we recommend a sanding block.

Orange pieces – You should already have in place.



Green piece – Should fit into the slots on the front of the building. It is located on one of the tower trays.

DECALS



1. Add the decals as shown above. On the pilot model, we used paper print outs. The decals should look much better.

We recommend cutting the decals as close to the lettering as you can. This prevents the decals from showing.

FINISHING TOUCHES

1. Glue the garage door into place, ensuring it is centered and that there is not gap on the bottom.

2. Glue the flag pole into place on the top of the tower. Add a flag as you feel appropriate.

3. Weather as you see fit.

We recommend very light weathering as the building looks to have always been kept in tip-top shape.

We used Hunterline Concrete to age the shingles.

CONCLUSION

Please share your photos on our Facebook page!

https://www.facebook.com/ConowingoModels

Once again, thank you for your purchase!

If there are any parts missing, please e-mail us what you need to complete the kit and we'll send it your way. Also suggestions for improvement are welcome. Please send photos!

See the Conowingo Models website
www.conowingomodels.com

Many thanks to my family, Jeff Grove, Steve Milley and Mark Schreier for their support!

Photo credits go to the respective photographer(s).