Tools and Tips:

As you build the book will show in my many picture manual how to assemble. You can use your own methods as you desire, but these worked best for me. A smooth, flat work surface is very important and the more space the better.

The photo on left is basic tools needed:

-A square and angle plates, also I use 123 blocks both to square and use as weights while glued parts dry.

- Hobby knifes and plenty of # 11 blades

- While majority if not all parts are laser cut some of kits will need parts cut. A zona saw & miter is handy as also a Chopper.

- A assortment of sanding blocks a must to touch up parts and make perfect fits.

-For glues, CA (cyanoacrylate and quick set) white glue, I like Aleene's Tacky Glue. And most important how you apply the glue, not to much but enough to make strong bond. Using syringes for water base glues and needle applicators on CA a must.

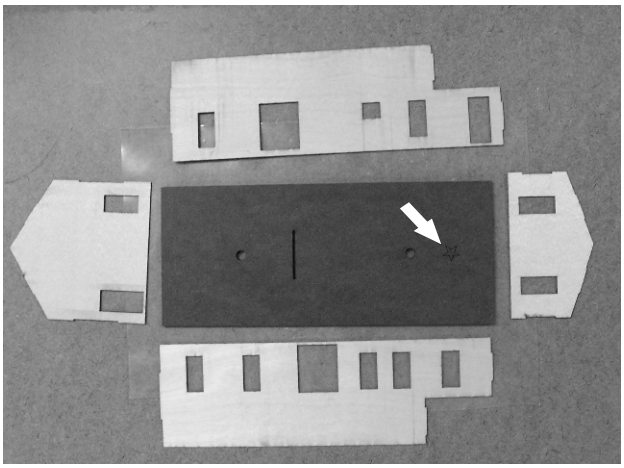
- For clean up q-tips or micro tip brushes wore great to clean up excess glue.

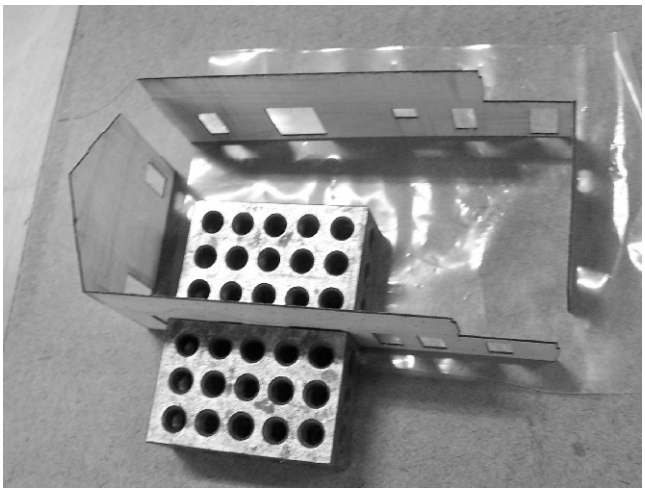
Most all of these can found at good hobby shop or I order from Micro-Mark online.

For painting will depend on materials but for wood best to not use water base paints. For best results use Floquil solvent-based enamel. Apply with air brush is best but brushing works also. I will make suggestions when to paint and colors I used for model built. The important thing is to take your time, test fit parts, look over photos before you make the final bond. If ever not sure feel free to contact me for help as I am here to help.

Reamer & Green Produce Assembly

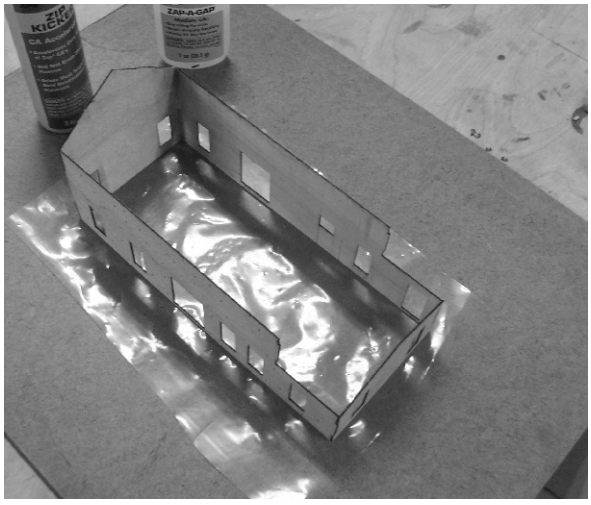
Locate package for assembling main center part of building. This package includes masonite base and 1/16” clapboard siding. Inspect and lightly sand edges where it will be bonded. Layout as photo to right. Note the star it goes up and to right and low side of building.

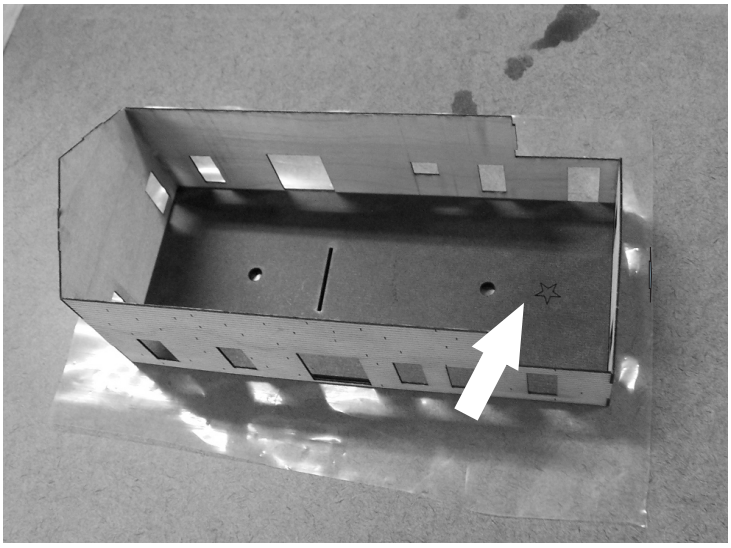




Use CA or aleenes tacky glue to bond. Set base aside, test fit end wall and side wall as pictured to left. I like to use steel 123 blocks to keep walls square and hold while glue dries. But not required, any type of weight will do or tape.

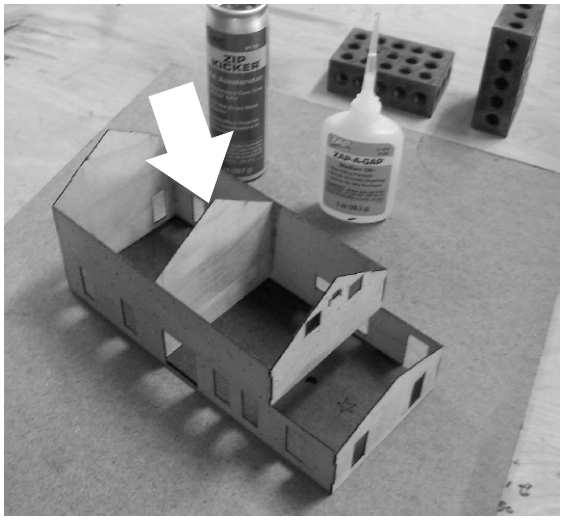
After first two sets of walls dry glue all four together as pictured and remember wax paper or plastic wrap under parts so not to bond to table surface. Also not much glue as will defect scribes lines on outside surface.

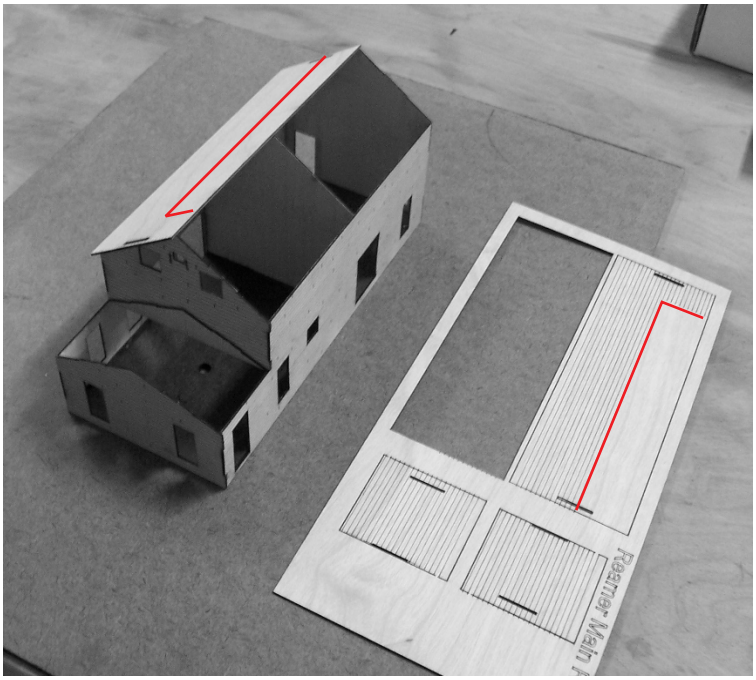




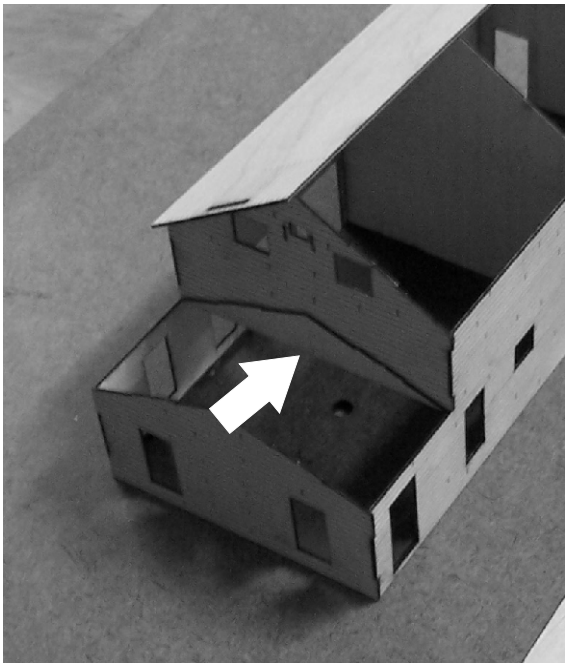
Then bond masonite base, slide inside of walls flush with bottom. Remember star goes to end of step down as picture to right. Once test fit CA in place.

Then test fit center wall, should keyed to slot in masonite. Plumb up square and bond with CA.



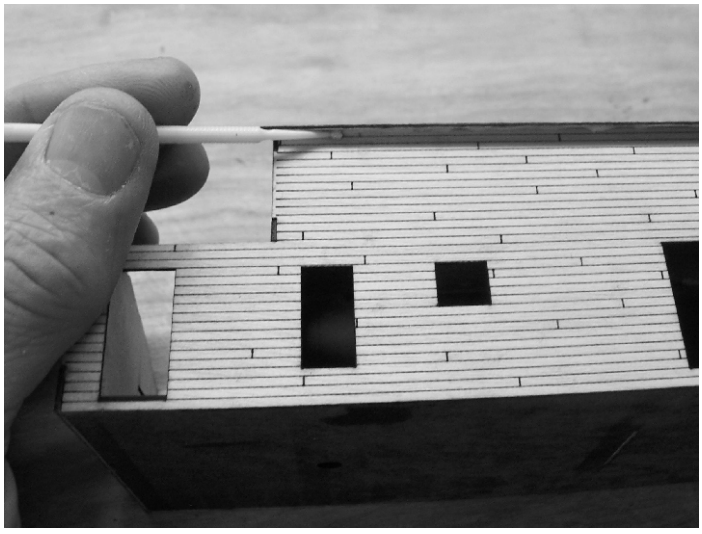


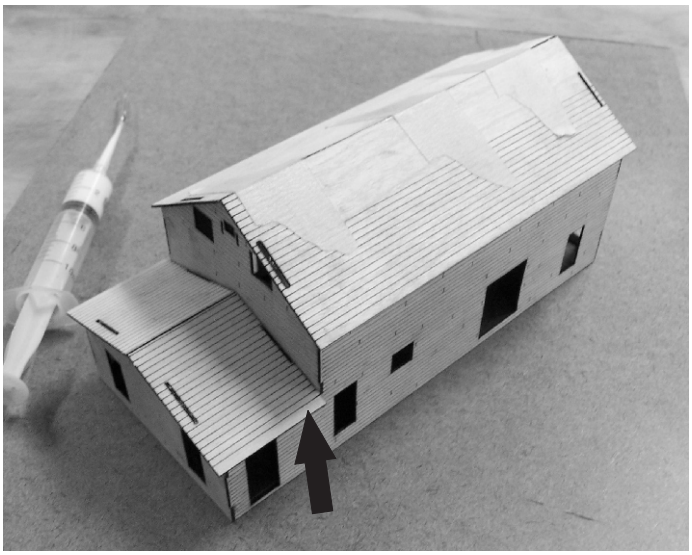
Next locate main roof sheet, notice scribe lines go up for shingles. And the location of roof, the red drawn on picture indicates it's position. The top structure sets in this area so locate correct. Once test fit use white or tacky glue, tape or weight down till first side dries.



Next bond roof truss support this found on upper structure sheet as #1 part. Tacky glue works good here giving you time to adjust.

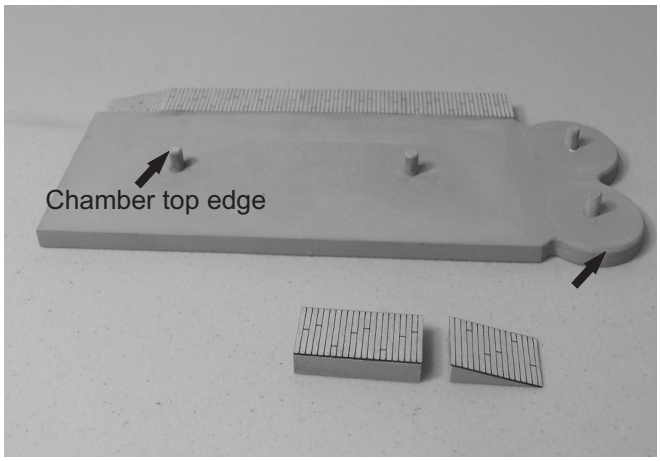
When bonding parts with tacky glue clean excess with micro Q tip. Wash q-tip in shot glass of water and repeat till all edges checked and cleaned.

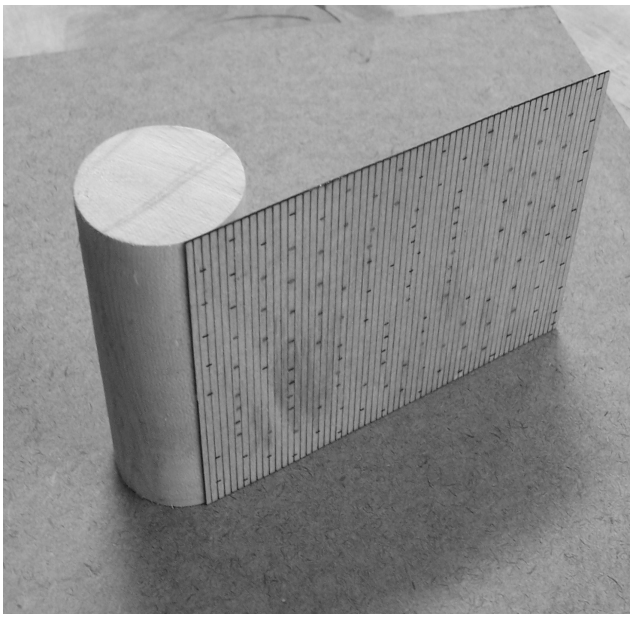




Check fit roof parts and bond till complete as pictured. Note the wider shingle scribe goes to bottom edge or first row of shingle on all roof parts.

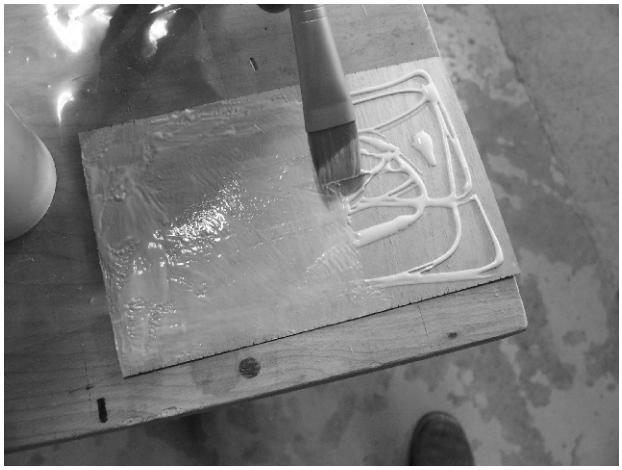
Next lets assemble and paint base. First the pins need to be installed but first sand a chamber top so model sets over pins easier. Then place as shown in photo and tap 4 pins in to holes. Next at silo end lightly bevel edge of MDF board, this is indicated by arrow far right. Seal edges of wood with sealer, I found rust-oleum in camouflage colors#1917 KHAKI works great to spray edges and silo area. Also spray the sides of ramp and small dock same time. These are in small package with pins, chimney, and silo roof supports. Once paint dries glue the scribe decking on base and ramps. Some fitting with sanding will be require for parts to fit tight. This should be completed before painting.





Next locate 1 3/8” round wood used to make silos. The hole in bottom is for pin to center silo. Cut the silo sidings from 1/64 sheet, notice the small scribes these are to locate cables around silo. The marks closest to docks will be bottom of silo and thus closest to edge of sheet. On wax paper set dole pin end down, the glue edge of plywood to it tangent. CA works fine but just edge.

As picture above shows this, notice long scribes vertical and the closet short scribes at bottom of silo.

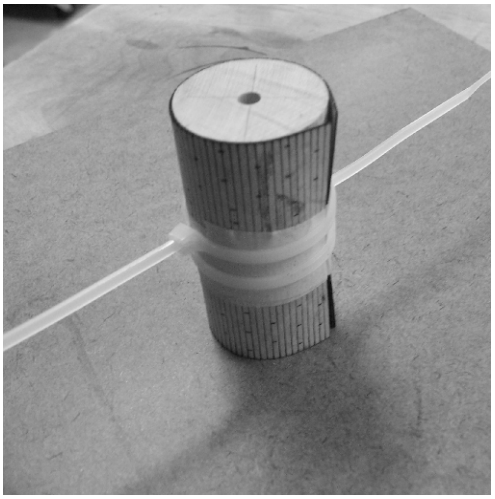


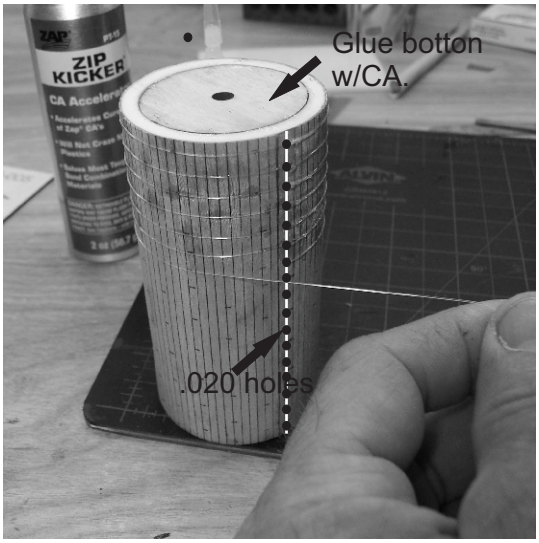
On back side of plywood lightly brush a coat of white glue. The roll up plywood on wood rod, use tape to first secure siding to dole rod.

S scale version pictured

When wrapping plywood around rod hold it to table top and plywood also to table surface. This will keep vertical planking square and seem matched up. Tape over seem then slide four clamps evenly over wrap and lightly tighten down till snug. If you bear down on clamps you will damage plywood. Clean up any excess glue, let dry 3-4 hours then repeat second tube.

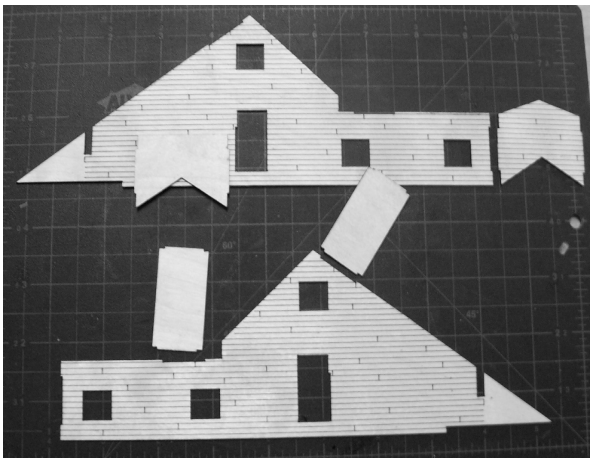
As a alternate way I tried tie wraps and worked well. Picture shows wrap pulled up in center first. Then work both ways with tie wraps till tight. I used 8-10 tie wraps per silo to complete. Again clean up any excess glue.





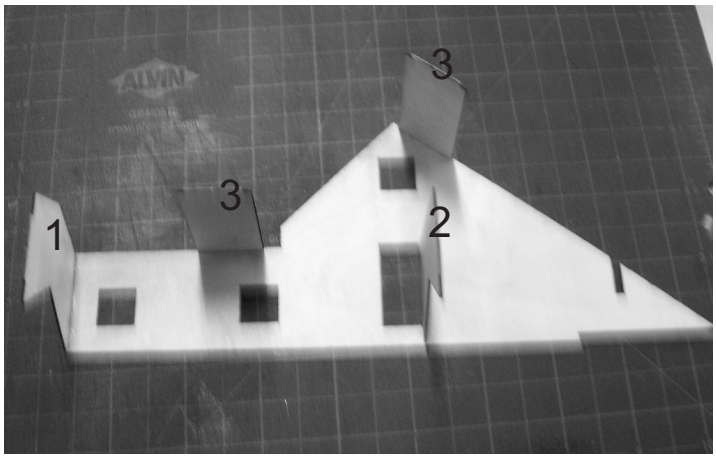
For silo cables use mono line and CA to bond. After cleaning up surface. The bottom is with first cable closest to edge.

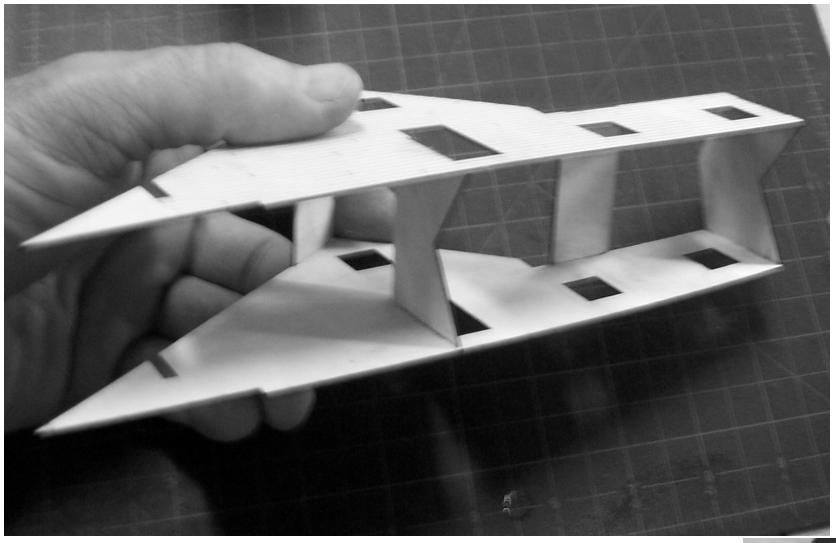
Start at back which is not visible and drill .020 holes. Then insert line and put a drop of CA to hold line, spray w/zap kicker to speed things up. Pull line across using horizontal scribes as a guide, place a drop of CA each ½" or so to hold. Repeat till complete, use a needle applicator on CA bottle.



From upper parts sheet remove parts and layout as pictured. For assembly I use CA but must use caution. Medium CA will be best as it does not run as easily. Also quick spray is very helpful while bonding parts.

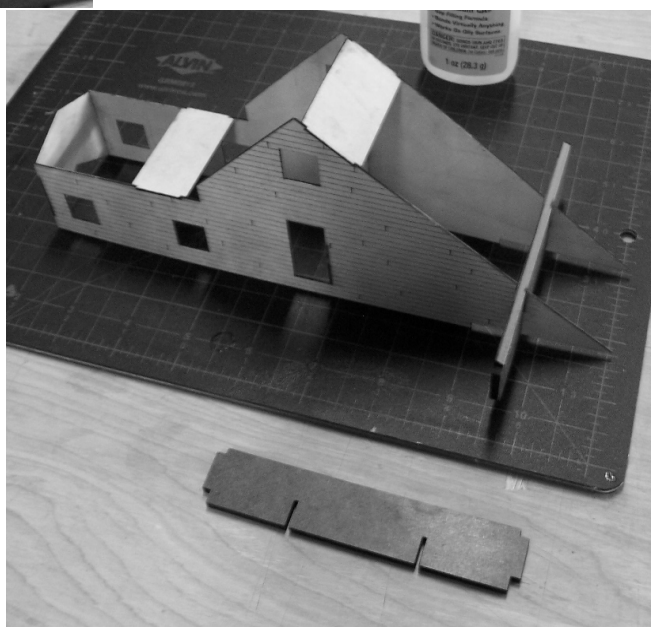
With side wall scribed side down start assembling upper structure of mill. Number 2&4 similar walls but 2 scribe wall goes out on left side as pictured. 4 sets next to window opening. I use a square to set the plumb then bond with CA. Set both 3 cross braces as pictured with square and bond w/CA.





Bond apposite side to tangs one at time in notches using CA and complete. Again be careful not to get adhesive on siding.

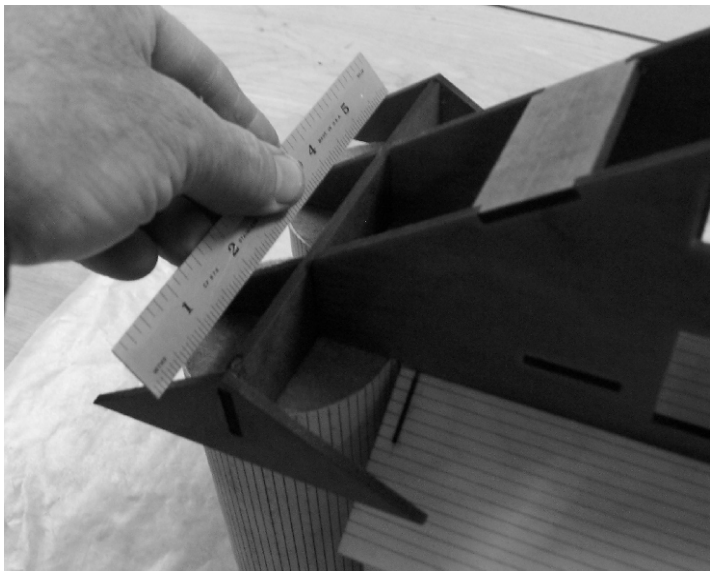
From misc. parts package locate spreader brace as pictured. There is only one but 2 are shown in pic to right. One installed and to other for you to see shape. The top edge will need tobe and sand to match angle of roof line. Sand before bonding once achieved bond as pictured. On HO model these are white plastic.

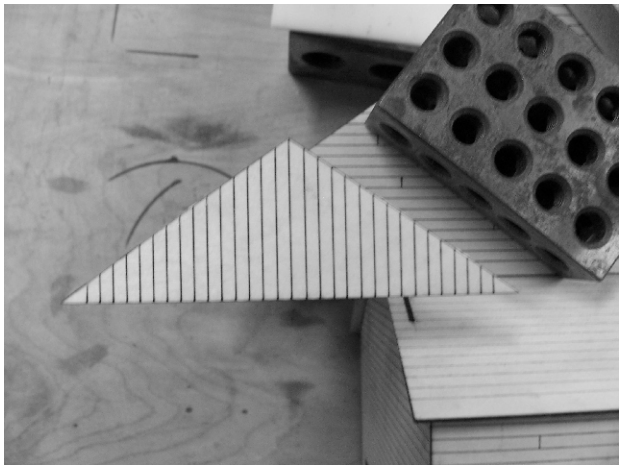


Here upper structure is being bonded to top of main structure. Test fit using scribe roof line to center and notch on right bottom of upper structure match roof as arrow points to. Once OK with fit bond with med to thick CA and here I use fast set spray to speed things up.

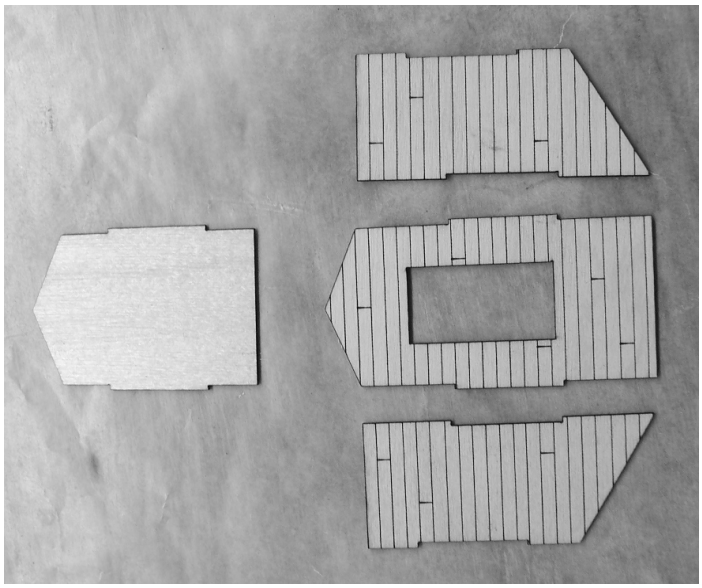
Here we see S scale model next to O scale mill that is complete. Notice base under also with locating pins in place.

Next bond the two silo roof ends, these are masonite triangle parts with slots in center. Test fit parts to end tangs, square up and bond with CA. The two triangle vertically scribed plywood end walls can then also be bond to the masonite. Flush the top edges to masonite, the bottom of plywood will hang below slightly.



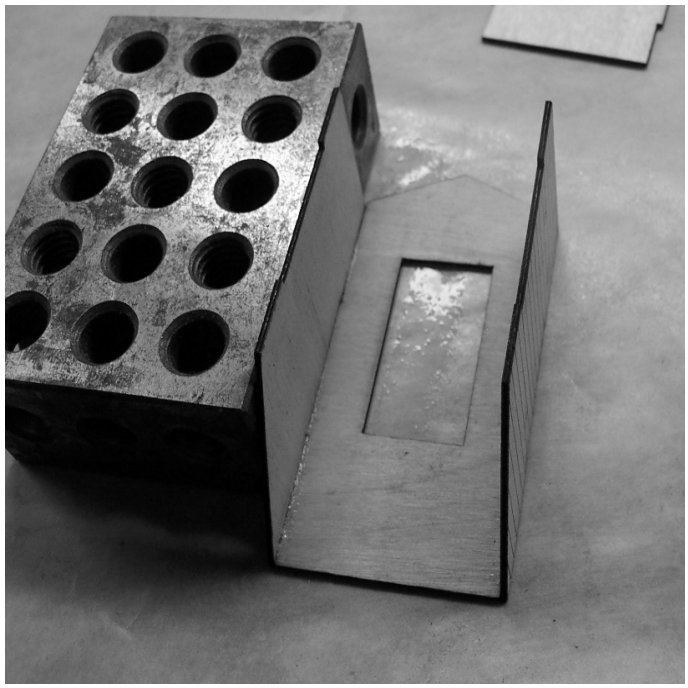


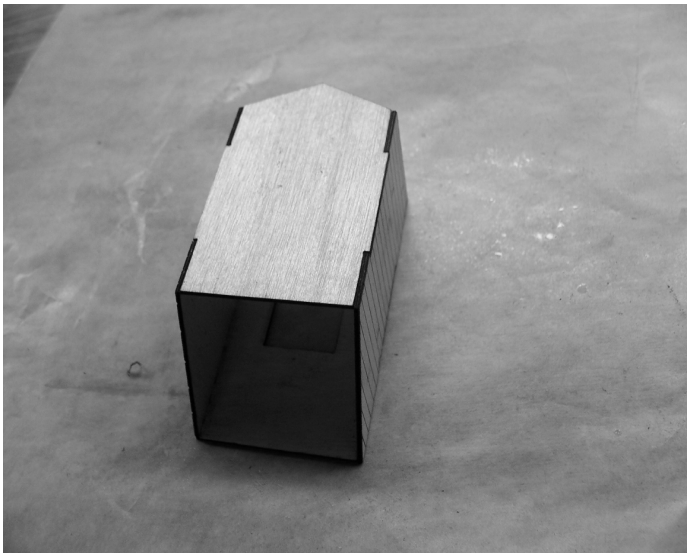
Here we see vertical sides bonded to plastic triangle ends using tacky glue flush top of ply to plastic parts. The bottom will over hang some.



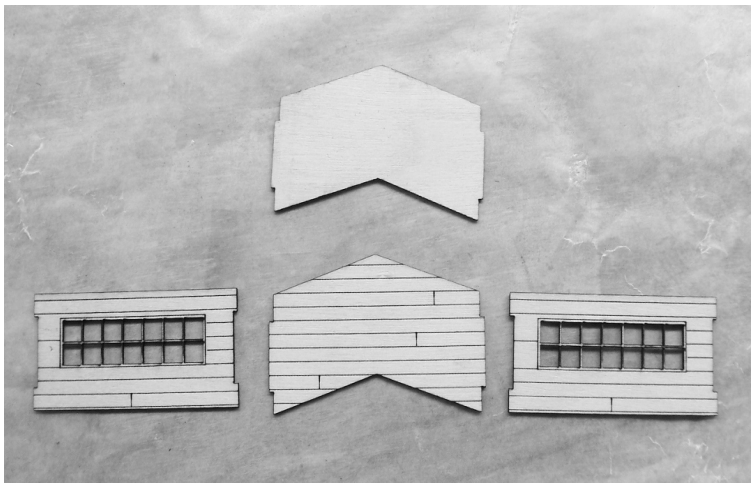
From sheet S-001 cut side copula parts #1 parts. Lightly sand edges clean.

With front face scribed wall down bond side walls as pictured to right. Scribes planks to outside and bottom lines angles up to side of upper structure. Using angle or square block to keep things square, use CA here but again be careful not to bond to table or excessive adhesive on planking face.



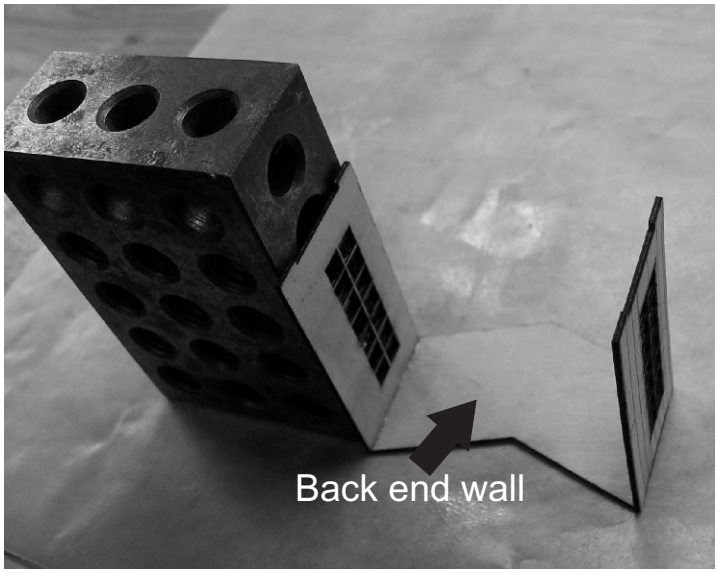


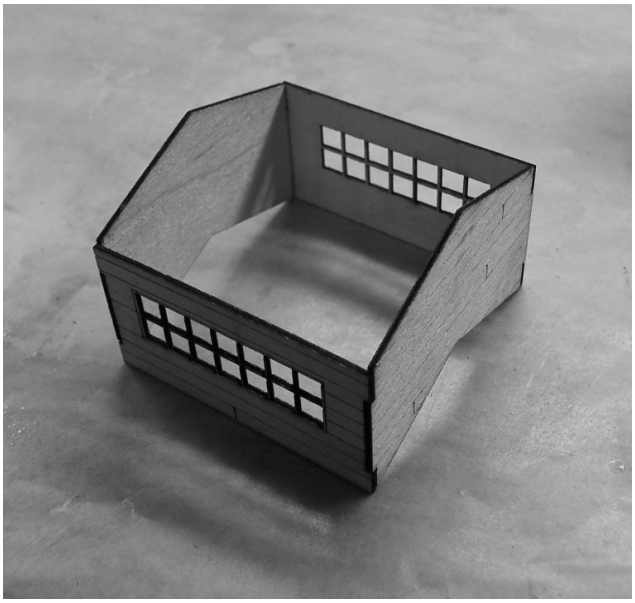
Then bond back wall to tangs



Next locate from sheet S-001 parts located in #2 box. Cut from sheet clean edges.

Place end wall flat on table this wall has no scribes
Set side walls in notches short space to top, using a square or machine block to set square then glue with CA.
Bond both sides

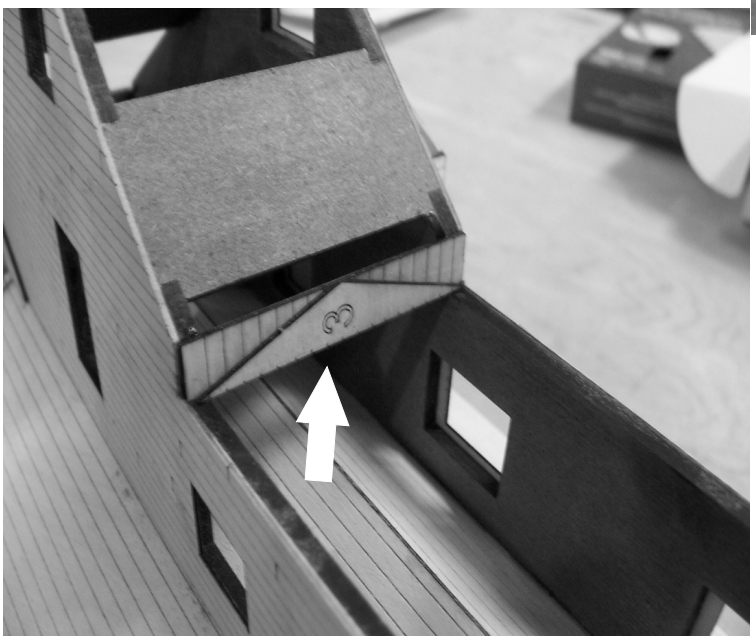




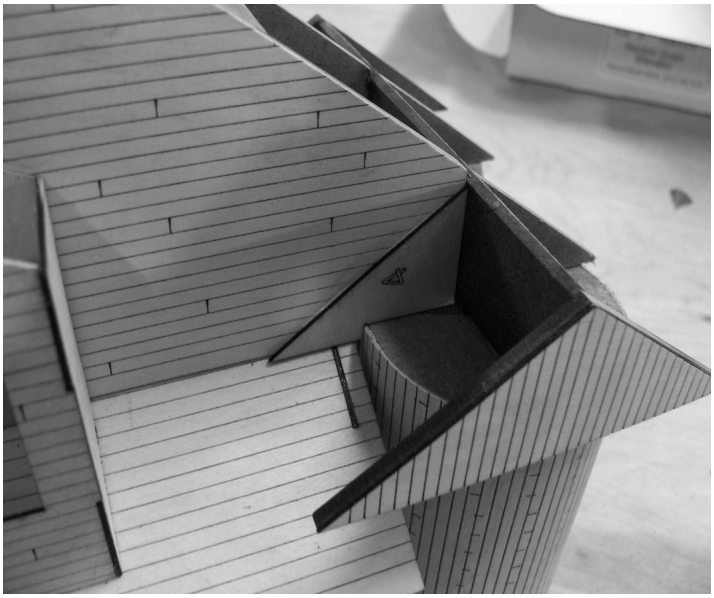
Next bond other scribed end planking out. Test fit then glue with CA.

Bond side copula over center of window opening

Bond copula lower main roof area.



From sheet S-001 remove the scribed wall and roof support and bond to open area on upper structure as pictured. CA here is fine.



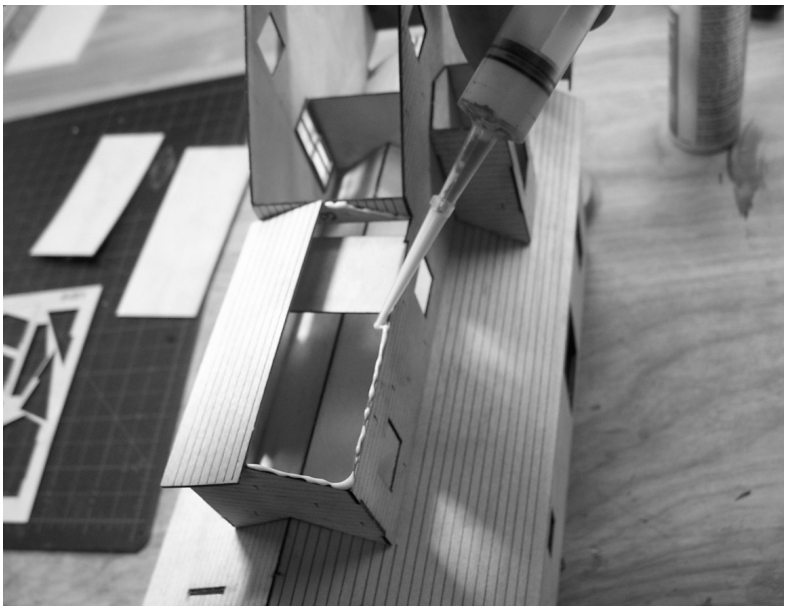
From sheet S-001 remove parts 4 L&R and bond side wall on upper structure. Test fit checking that top matches peak. Bond both sides CA fine to bond. On HO model the silo does fit as tight as O scale model pictured to left.

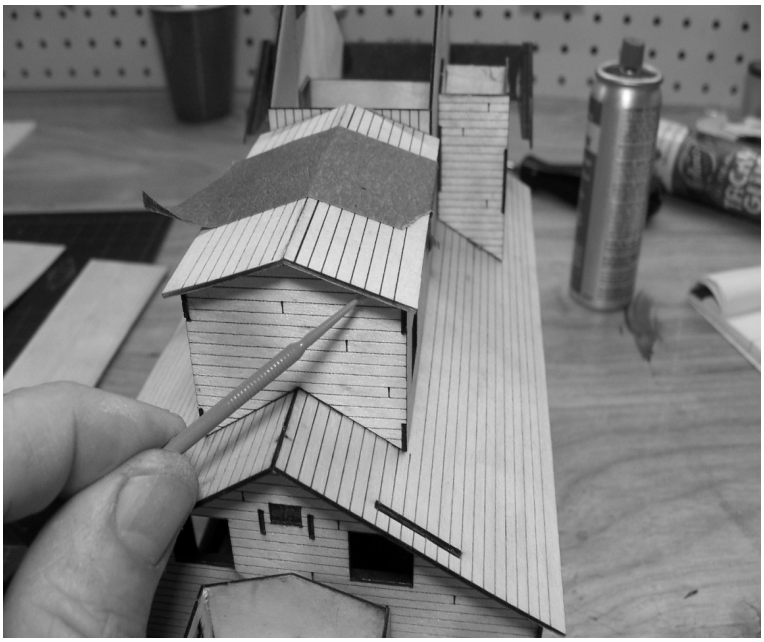
Next lets bond roof parts from sheet marked. To left of 1 cut loose lower copula roof. Test fit, lightly sand peak angle so when two meet at top peak to tight. Notice scribe lines for shingles the wide space goes down and is first row laid. Use tacky glue when bonding.

Here roof is complete peak is tight and scribes for laying shingles in correct location.

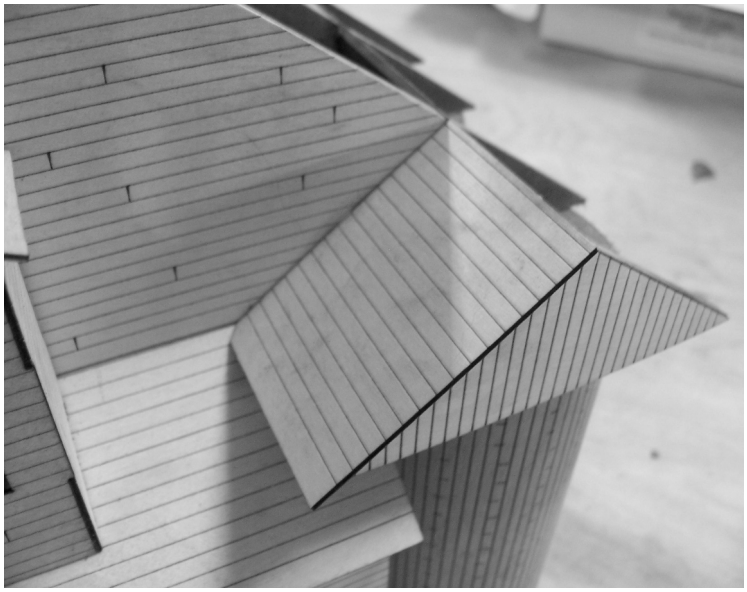
Next install roof on side copula. These parts to right of #3 of ROOF PARTS sheet. Same manner as early test fit then bond.

Next bond roof above copulas this is right #4 on sheet. Test fit, sand peaks tight and bond. You see here I use a needle applicator on syringe to apply glue. Put a fine line down where needed.



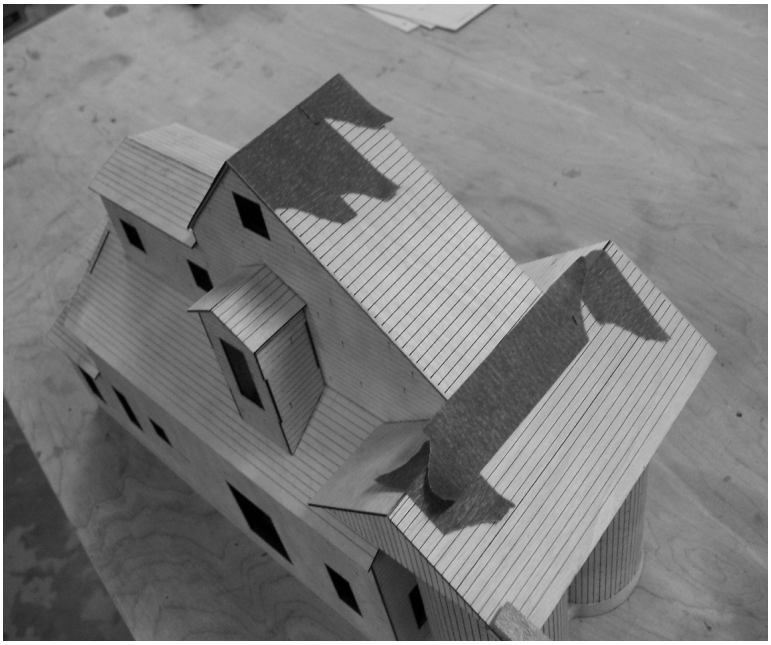


With mini Q-tip clean any excess glue, clean with water to reuse.

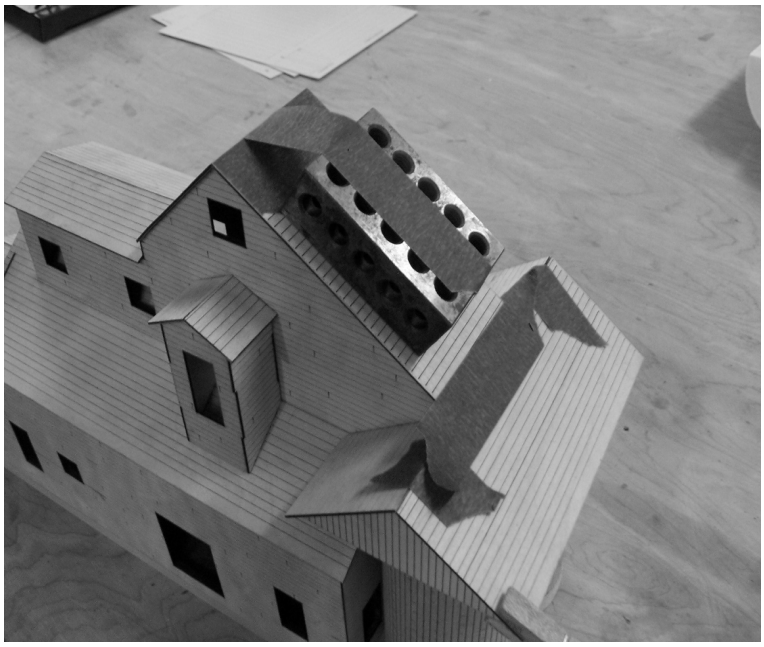


Next remove parts right of #1 and below #5 these are silo roof. You will test the two small sections first, but do not bond as you to remove them shingle roof. Put few small drops of tacky glue to temporary hold in place.

Next test #5 roof fit, when glue do not glue to peak of #1 parts only glue to trusses. You can see I used cloves pins and tape tp hold and remember to clean any excess glue on end faces.

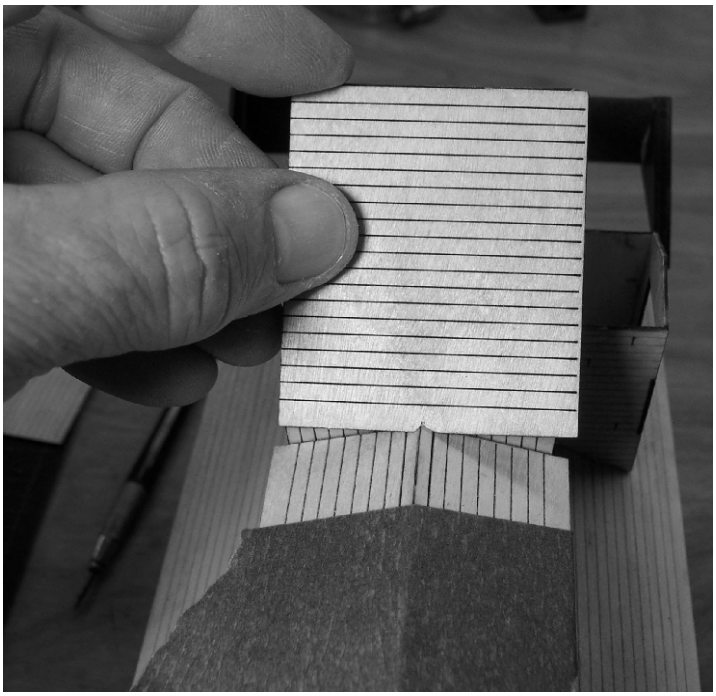


Next bond roof section above silo roof, this to right of #2. test fit so spacing of shingle scribe is equal then bond with tack glue.



Here you see how the use of of a 123 block is used as weight to hold roof tight will glue dries. I have 6 of these, they are great to keep things flat and square. MSC or Enco is a machinest supply company that sells these. Very handy.

Remember to wipe any excess glue with q tip. This makes for neat job that the difference in final out come of job. Take your time, the details make model real.

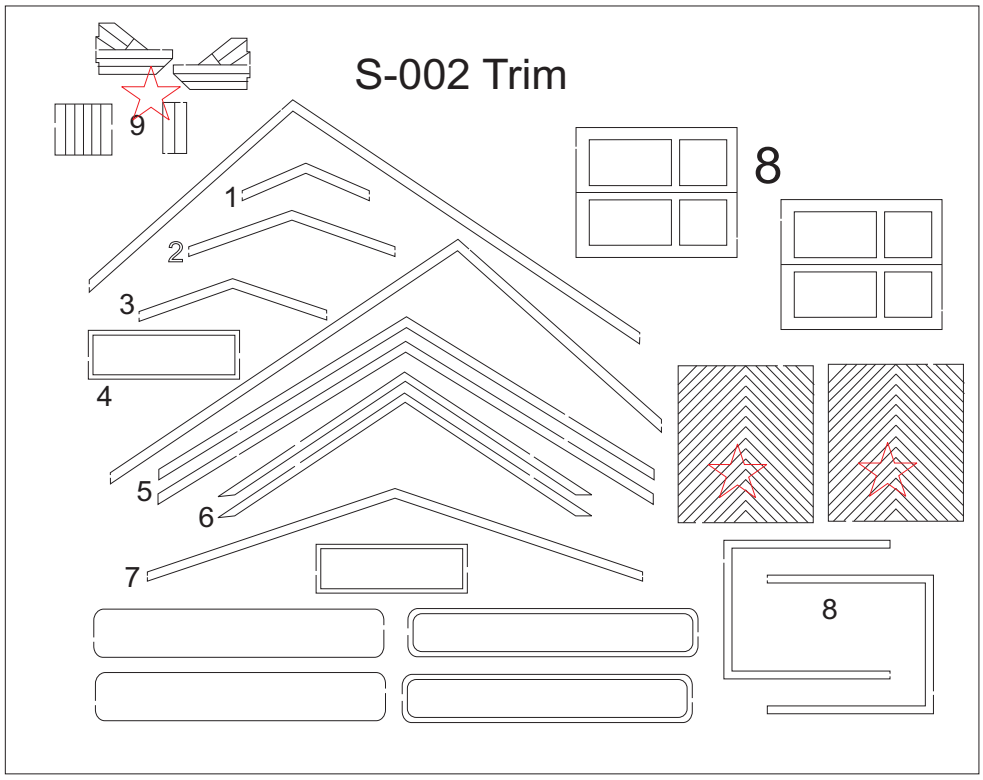


The final roof section left of # 2 is test fit the bonded. At bottom you need to sand notch for better fit. Bond with tacky glue.

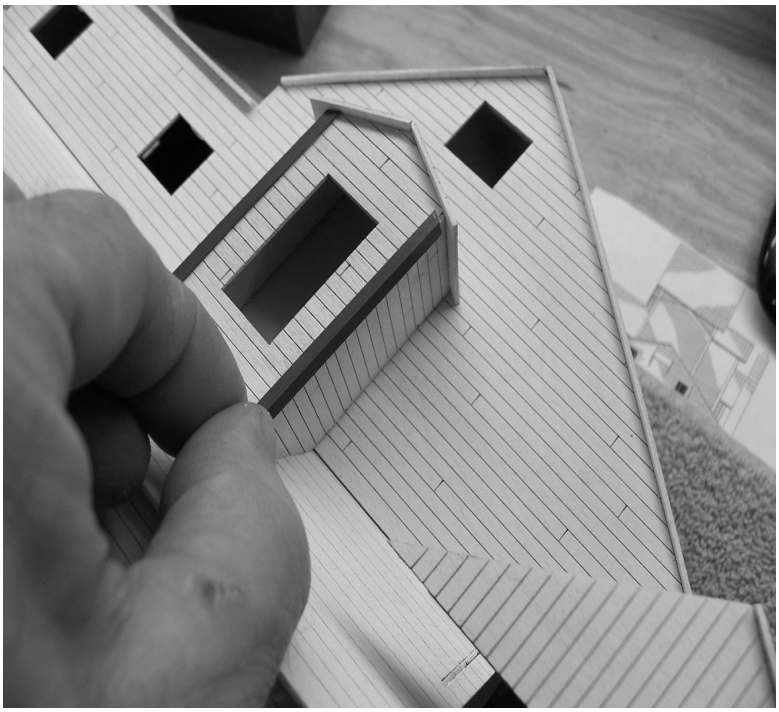
These are O scale model minus the docks

Next step will prep building for painting. I found a light coat of floquil glaze thinned 1 to 1 and sprayed on plywood works well. But before doing so make all edges flushed up, check openings and any defects repaired. Using a very fine brush in direction wood grain is good. But check that not to aggressive, then with air hose blow all dust off. I use airbrush nearly 100%, spray with reduced glaze allow to dry over night. If don,t plan on two tone scheme then install all trim at this time before painting. Again I use floquil and airbrush for best results, but you other methods that you desire so I will not get into great detail. Please feel to contact on advice on additional painting.

Now that main building is painted is time to assemble doors and details. Take note of S-002 trim sheet:



The above parts with red star should be remove before painting trim parts. They are backing of doors and #9 vent parts used later. Paint trim color you desire, I like airbrush best. But results fine with brush using floquil. Paint method you desire then let dry over night before cutting from sheet and assembling. Next paint wood angle trim and plastic windows.



Cut painted trim to fit on and in corners. The part of building kit takes patients and care. Cut slightly and sand to fit. For out side corners of build angle to fit under roof but can be left a little long then sanded to bottom of building when dry. I use Aleenes tacky with a needle point applicator.

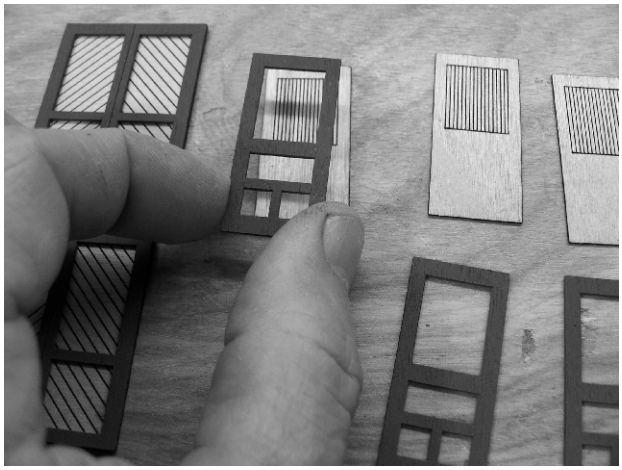
From trim sheet S-002 #1 parts trim under eve. Part will require trimming to fit. Clean up excess with wet micro Q-tip.

Trim corners

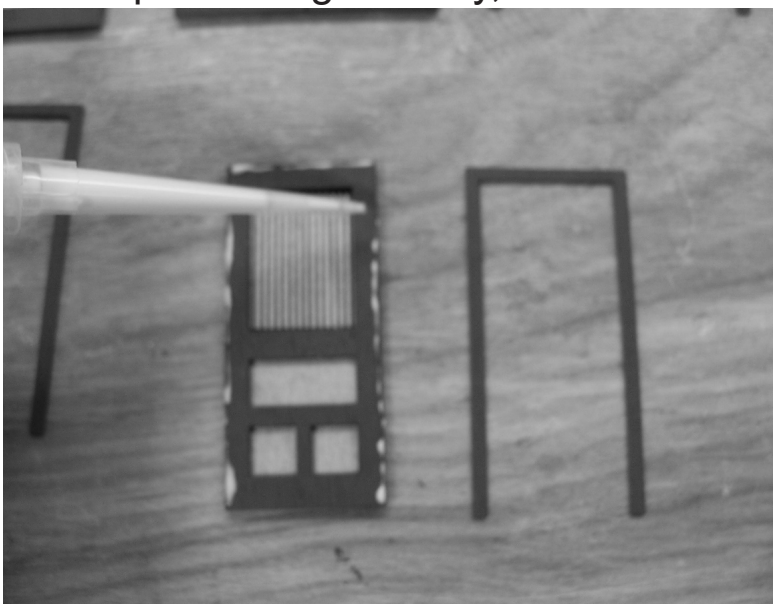
For window frame # 4 trims out both sides. For face of copula on end wall #3 and may require some trimming. Again clean up any excess with wet micro q-tip.

The above pictures shows locations of trim from sheet S-002. Notice some of windows being installed and doors, the page will explain their assembly. At top is upper structure trim found just above #1 on S-002 Other trim is as noted, test fit before glueing.

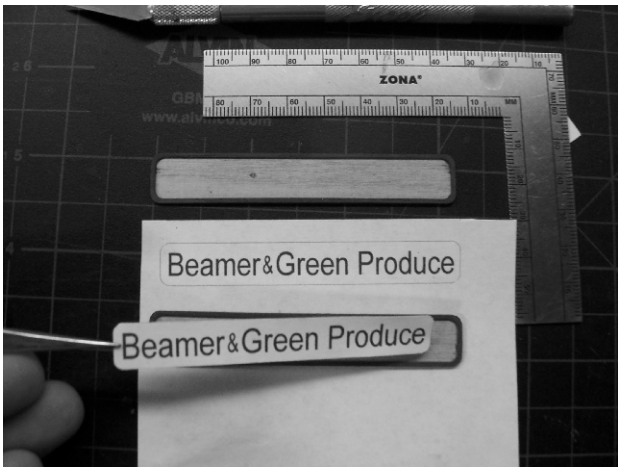
Above at end wall shows sides for vent found on sheet S-002 which fits in slots venting down. Then parts #9 removed from sheet S-002 plank top and narrow piece front. Note the corners of small windows cut to under eve trim #5. Part #2 trim upper eve. Part # 7 trim eve below this picture end wall.



Next doors being assembled from sheet S-003, these should have been painted same time as trim parts on S-002.The pictures shows parts bonded to backs. Use white glue and apply a thin bead w/needle applicator then place flat weight on. After 60 sec remove weight and clean any excess glue w/ micro q-tip then replace weight till dry, 1 hour.



Next we see door trim #8 from sheet S-002 being bonded with needle appilactor and white glue. Weight down remove and clean then replace weight down till dry.



Here we see sign being built if you decide to use. These are at bottom of S-002 bond trim to back. Sand out side smooth, paint again. Then trim signs out and fit in opening.

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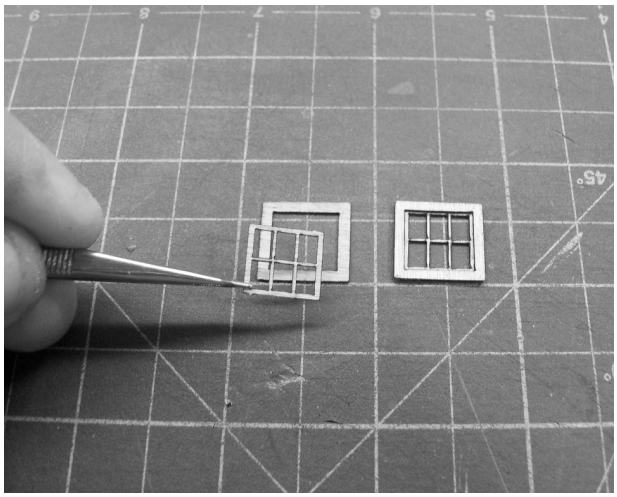
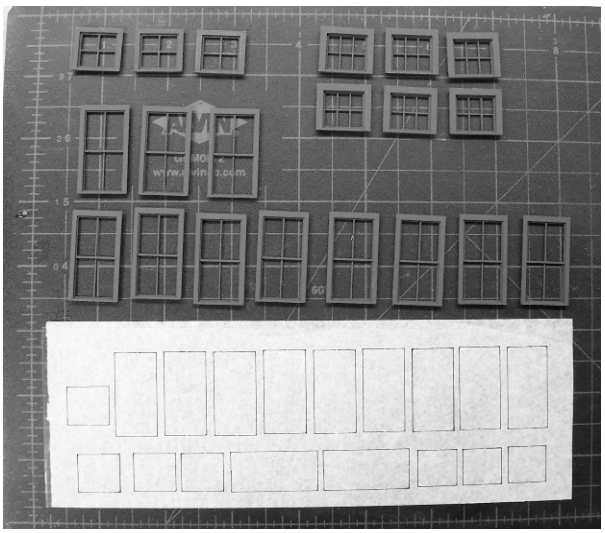
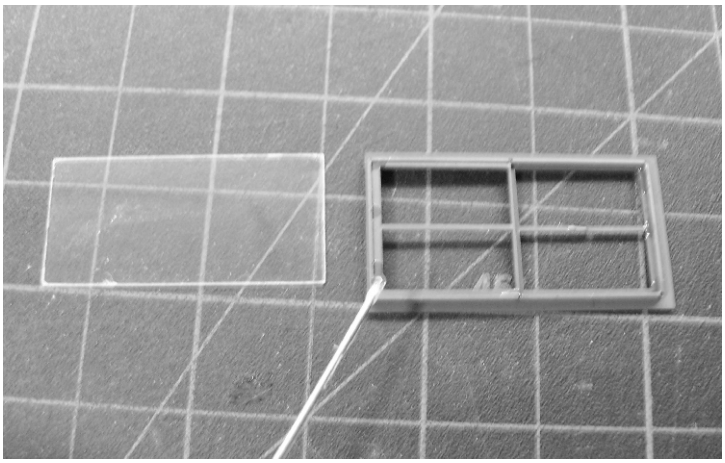
Locate parts to build 6 windows for upper structure these are found on sheet S-002. Using needle applicator on syringe apply small bead to inner edge of frame and set window pain in place and center. Clean any excess white glue up w/q tip.





Here we see windows debur, painted and ready for glaze.

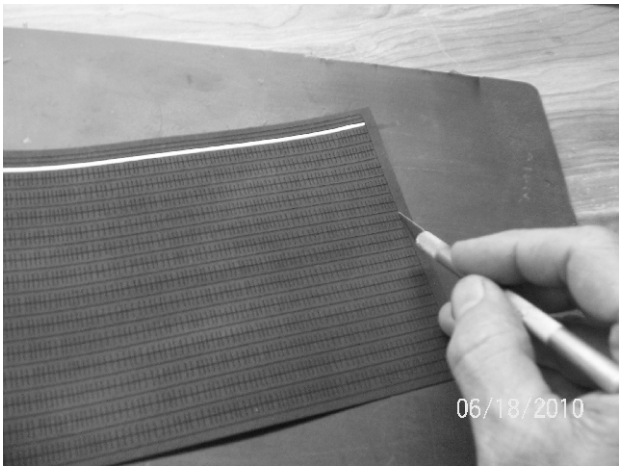
On plastic window use needle applicator and tester cement. For 6 wood frame windows few drops of white around edge and carefully place glaze to back.



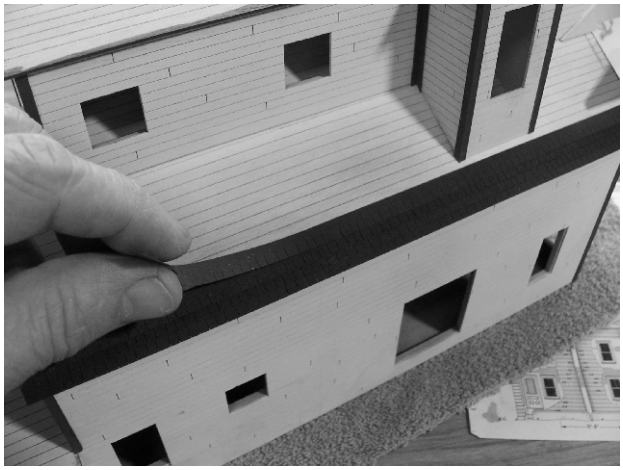
While windows dry locate adhesive roof material and paint. I found 99 cent a can paint from HomeDepot works great. It's flat black enamel, spray 3-4 light coats till even cover. Then I air brush some roof brown, grey, and some light spots in silver all floquil colors. When roof is installed makes for nice weather affect. Also spray small trim sheets same time.

Also finish MDF base, insert pins in correct locations. I like to sand a slight taper at top of pin so building locates easier. Seal with a universal type wood sealer found at Also HomeDepot, then spray with Rust-oleum 1917 KHAKI color. You may need to sand edge and respray a few times. Also spray chimney with this color, then weather to your likes. Then finish trim building by installing doors and windows, sign, etc.

Next lets shingle the roof, you start first laying a shim bottom edge. Use the outside material found from shingle sheet.
As you pull strips of shingles from sheet you find that a light scribe with #11 x-acto blade required in some areas.



Here we start laying shingles, start at bottom working your way up on scribed lines .The first row is laid on top of shim, alternate from left to right to keep pattern of shingles mixed as you work your way up roof.



You will remove loose roof over silo and reinstall after lower roof shingled.

When covering the peaks use excess edges of shingle sheets. Cut them, fold down center then apply to peak.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