Mine Mount Models CRAFTSMAN MODEL KITS



Sunrise Warehousing is a BIG and gritty building, that transfers and stores a variety of goods between the railroad and road trucks. Drawing inspiration from a few different structures, such as a car detailing shop and video game buildings, we have combined them together to create a unique warehouse that has a bit of whimsy while still sticking to a prototype layout. Build it into Sunrise or use your imagination to see what you can come up with for your railroad!

- ✓ Hobby knife, with an #11 Xacto Blade
- ✓ Fine File
- ✓ Square & Ruler
- ✓ Pounce tool or T-Pin/Needle

Tools & Supplies needed

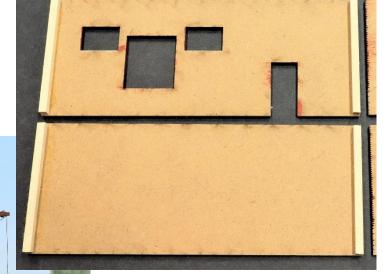
- ✓ 1-2-3 blocks (optional)
- ✓ Small magnets (optional)
- ✓ NWSL Chopper (optional)
- ✓ PVA glue or wood glue
- ✓ Cyanoacrylate glue (CA glue)
- ✓ Paints & Brushes
- ✓ Tweezers
- ✓ Patience
- ✓ Fun

Pre-assembly

- 1. Inspect all sheets of laser cut materials against the diagrams provided in the instructions checking for any missing pieces or damaged parts. Please reach out to us with any issue.
- 2. Before starting your model, read through these instructions completely to become familiar with the parts and assembly sequence.

The Stone and Brick 1st Floor

3. The 1st floor of Sunrise is stone and brick engraved 1/16" Masonite. Use parts 1, 2, 3, 4 to build the walls. The Masonite is stiff enough that it doesn't require bracing to counteract warping. Support in the corners is needed to provide more gluing surface. Add 1/8" stripwood to the short edges of parts 2, 4. (pictured right)



Every great journey starts with a first step...

Amazing things are just ahead!

4. Assemble the 4 brick walls in the configuration shown. Be sure to have parts 3 & 4 share the same corner joint so that the doors and windows that are above the stone foundation are adjacent to each other (below left). Short walls 1 & 3 go on the outside edges of long walls 2 & 4.





Add a length of 1/8" stripwood to the center of the 1st floor assembly (see right). This ensures that the walls remain straight and adds support for the second floor.

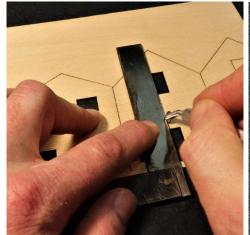


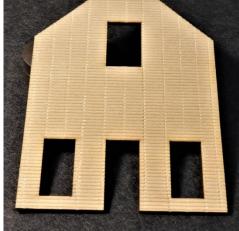
The Clapboard 2nd Floor

The 2nd floor of Sunrise is where smaller warehoused items are stored, as well as some office space.

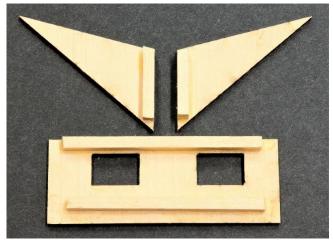
5. The next step is optional, but if you decide to add nail holes on the clapboard siding, it will increase the next level of realism (see below). Use a pounce tool to speed up the process of adding nail holes. Pounce tools come in a variety of diameters, so be sure to use the size that creates evenly spaced holes on all the boards. We find them easier to add with a small square as a guide, while the parts are still attached to the

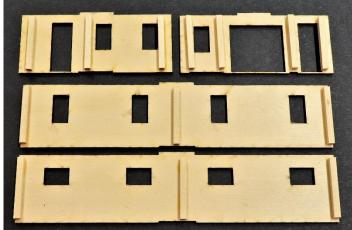
full sheets. Also, vary the amount of pressure you apply to the wheel while rolling it. This makes the holes not as consistent, and once painted they look more real. If you're a glutton for punishment, this step can also be done with a pin or small awl, individually adding nails to each board.



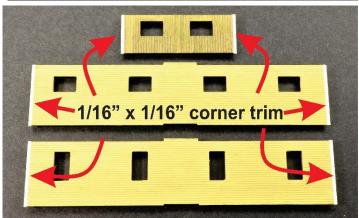


6. One of the most important steps in the kit build is to properly brace the wall sections. This is to stiffen the walls and keep them from warping when paint is applied. Use the 1/8" x 1/8" stripwood for the bracing. Reference the photos below to position the pieces and approximate length of each. There is also a chart provided in the instructions showing the positions of the bracing in red. Cut wood to fit and glue with your choice of adhesive. Place weights on top of assemblies. Let glue dry thoroughly before moving on, preferably overnight.

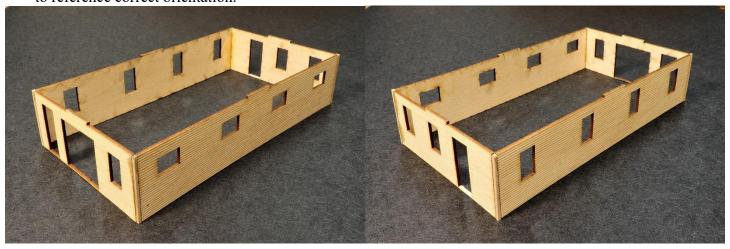




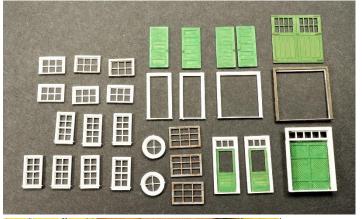
7. Time to add the corner trim on the clapboard (parts #9,10) & scribed dormer walls (part #16). Before cutting and attaching the 1/16" x 1/16" stripwood, you should paint it your desired trim color. Ours is a slight off-white so it stands out against the yellow building. After the paint dries, cut 6 lengths about 1/8" longer than the 3 walls short sides. Glue on the corner boards, allowing about 1/16" to overhang the top and bottom of the wall. This extra will be trimmed flush once dry.



8. Now to assemble the 2nd floor clap'board structure. This requires parts #9,10,11,12. Use the pictures below to reference correct orientation.



9. Time to add the windows & doors to the wall sections. Paint all the windows and doors, allowing them to fully dry before gluing the glazing to the back of the window & door openings.









- 10. The 2 large warehouse doors, with the man door set in them, are made from parts #52, 53. Paint them prior to assembly. They have self-stick adhesive on the back. Just peel the protective covering off #53, align it to the front of #52, and press down firmly.
- 11. The same process is used to paint and assemble the smaller warehouse door, parts #54, 55. This is used on the extension later.





12. Take part #20 and lay it on a flat surface. The clapboard assembly has 4 tabs along the top edge. These fit into 4 corresponding slots in #20. Flip the walls

over and glue into the slots.





13. Now take the "floor" of the 2nd floor part #19. It has a variety of different sized tabs around the edge. These fit into corresponding notches around the bottom of the clapboard wall assembly.



14. It's time to start the roof. Flip the assembly over, so the notches in part #20 face up. A solid roof needs good support. Sunrise's is created using 1/16" basswood parts #21, 22. On #21 there is a line engraved under the round window opening. Be sure this line faces outward. It will help guide the roof decking later. The large and small triangular parts have tabs that fit into slots in #20. Each side requires one #21 and two #22.



15. After both sides of supports are added, a ridge beam is created using 1/8" stripwood. Use the distance between the two #21s to determine the length of the beam.



16. With the sub-roof supports dry, add the roof sheathing parts #23, 24. There are slots in the parts that align with tabs on the supports #21. The only difference between these two parts are the long and short lines engraved on them. These lines are guides to help position the two dormers that will be added later. Part #23 should be on the same side as the clapboard part #9 (wall with four shorter windows). Then add the other roof #24. These could be flipped to achieve a different roofline from our model.



17. Now to add the short roof sheathing on the end hiproves parts #25, 26. Test fit these parts prior to gluing, they may need to be trimmed slightly to have the roof angles meet up cleanly

angles meet up cleanly.

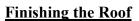


18. A small but nice detail to add are the decorative fascia brackets under the soffits. Use parts #56. They are spaced approximately ½" apart. The short walls will need 7 brackets each, and the long walls will need 13 brackets each.



19. Now you should have 2 sub-assemblies; 1st floor brick,2nd floor clapboard with roof. Dry fit the assemblies together to check for any misalignment. Now is the time to make minor adjustments before gluing them all together. The walls should all line up. When you're satisfied with the alignment of the wall, glue them together. Allow this new assembly to dry thoroughly before moving on to the next step.





20. The roof on Sunrise has some distinct dormers. The main triangular dormer is where the namesake of Sunrise Warehouse derived from. The large arched window is reminiscent of a sunrise. The parts required to assemble it are #27, 28, 29, 30. Paint the frame and wall before assembly. To build the frame of the arched window, stack #28 on top of #27. There are notches in #29 & 30 that fit onto tabs on the top edges of the #27/28 assembly. Add a short section of 1/8" x 1/8" stripwood to the peak of #29. This strengthens the peak. This completed dormer is glued onto the roof sheathing (#23) with the short-engraved line. The front edge of the window wall is even with the line.









21. The other dormer is a true flat version requiring parts #16, 17, 18, 33. The bracing for the walls was cover back in step 6. Paint the walls and 1/16" x 1/16" corners prior to assembly. Reference the picture for the configuration of the walls.



22. Glue the 3 walled assembly onto roof sheathing #24. Align the front wall edge with the long-engraved line. This dormer could be positioned anywhere along the length of this side of the roof. Leave the roof sheathing off this dormer, until the shingles have been installed up to the peak of the dormer walls.



23. Now it's time to paint the shake shingles. We suggest painting the sheet of shake shingles while they are still all attached together. Our painting technique can be found on another "A Mine Mount Minute..." included in this kit. A sample of coloring can be seen in the pictures below.





24. The first step to install the shake shingles is to apply double stick tape to the entire roof. We use either 3M or Frost King weathering tape. This can be found at a local hardware store. Start at the bottom edge of the roof and run it up the to the top. The strips of tape help you align the shingles.



25. Pick a side and peel off the 1st lowest strip of protective film on the double stick tape. To achieve the best results for a random looking shingle pattern, cut a bunch of the prepainted strips of shingles and mix them up. The first strip of shingles is applied with about half of the tabs hanging over the lower edge of the roof. Apply the next layer of shingles so that the tabs cover up about half of the previous layer. Press the top of the strip firmly into the tape. When you get to a valley around the dormers, use the black paper provided to create "tarpaper stripping" by cutting long strips 3/16" wide. Fold this lengthwise and apply it to the valley. Also, choose where you want to position you chimney. Paint it and glue it directly to the roofing material. Continue the layered shingle process up the to the top of the roof.









26. The flat roofed dormer requires a little attention when the shingles reach the top of the dormer walls. Before continuing the shingles to the very top of the roof ridge, attach the flat dormer roof (part #33) centered on the walls. Use the self-stick "rolled roofing" provided to cover the dormer. Slightly overlap each row till you reach the top. Now you can continue with the layering of the shake shingles to the top ridgeline.



27. After all four sides and dormers are covered with the shingles, it's time to cap off the top ridges. To create the shingles for this, use the two long strips found on each of the shingle sheets. Cut them to approximately 5/16" long sections. Start at the bottom of each ridge, working up to the top, overlapping each shingle 1/16".





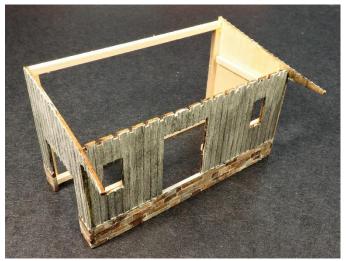
28. To handle the increased business that Sunrise Warehouse saw in the past, they had to quickly add an extension, which also caused the track siding to be realigned. Start by attaching the stone foundations to the board & batten (BnB) siding. Parts #7, 8 attach to #14, part #6 attaches to #15, part #5 attaches to #13. See picture right.

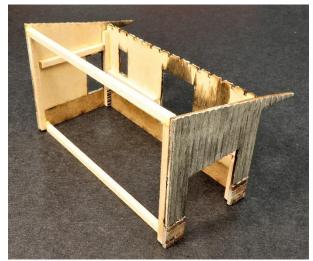


29. Brace the back of the BnB assemblies with the 1/8" x 1/8" stripwood before painting them. Reference the picture on the right and the bracing schematic sheet. Be sure the braces along the tall peaked sides of #14, 15 are flush to the edge. Also, keep the top of the bracing at least ½" from the top of the peaks. This will give more gluing surface when attaching the completed extension to the main structure. Do the same flush mount of the 1/8" x 1/8" stripwood for the sides of #13.



30. The two short walls (#14,15) are glued to the outside edges of the long front wall (#13). The edges of #14,15 are flush to the front of #13. Add two lengths of the 1/8" x 1/8" bracing across the back opening of the assembly. They should measure the same distance as the inside of the front walls of #14,15. This keeps the large opening square, and offers more gluing surface when attaching the extension to the main structure.





31. When the extension assembly is dry, glue it to the main structure on the large blank brick wall side. Keep the right side of the extension at least ¼" away from the right corner of the brick wall. (see left picture below) This allows the future loading dock on that side to sit back into the corner and gives enough room for the long staircase to come down from the 2nd floor.





32. Add the roof rafters (Part #60) into the notches along the top of BnB wall #13. The top of the rafters should be even with the slope of the roof.



33. Now the large roof sheathing (Part #31) is added to the extension.



34. The roof we added to the extensions is again a quick technique the prototype would have used. It's a rolled roofing with wood strapping applied over the seams to help hold it down and provide weatherproofing. Use the ½" wide self-adhesive strips for the roofing. Use 1/32" x 1/16" stripwood for the strapping on the seams.



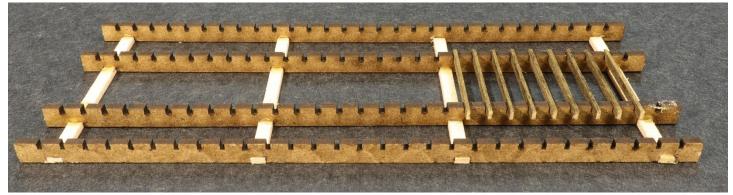
Loading Docks

A distinguishing feature of Sunrise Warehouse is the variety of multi-leveled loading docks and platforms. They are all built with similar materials and processes.



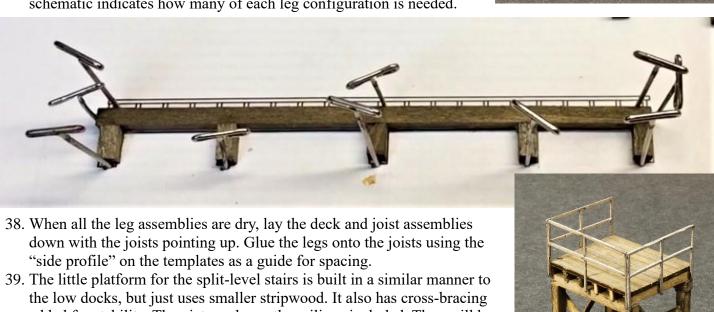


35. Start with the short, 1st floor docks. They are made of three elements; 1/32" x 3/32" stripwood (joists), 1/8" x 1/8" stripwood (legs & main beams), and 1/32" engraved plywood decking. Cut the joists to match the widths of each deck material. The joists are evenly spaced by using the assembly fixture/jig that is included in the kit. The fixture/jig is built from part #59 (qty.4) and 1/16" x 1/8" stripwood (qty.4) cut to 2" long. This fixture is used for the joists spacing and to hold the stair stringers in future steps.



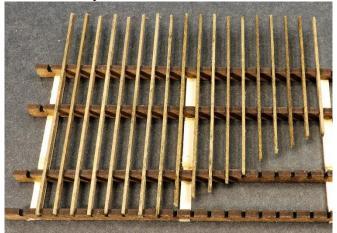
- 36. Once you have enough joists cut for a particular deck, then apply glue to the bottom of the deck and set on top of the joists. Weigh it down while drying.
- 37. The loading docks are made up of a variety of different sized decks, each with different leg arrangements and heights. Use the loading dock schematic included with the directions. There is color coded stripwood for each board size. Cut the stripwood to match the templates, and glue together with wood glue. Hold the parts in place with T-pins. Add all the cross bracing and allow to dry thoroughly. The schematic indicates how many of each leg configuration is needed.





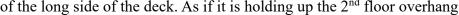
added for stability. The picture shows the railings included. They will be added later.

40. The most complex deck to build is the large 2nd floor deck. The joists are installed the same way. Cut to length to match the width of the deck, but this time you have to add 1" to the total width. This is so that the joists can run underneath the 2nd floor overhang (see pictures below). Now glue the deck to the top. Weigh down and let dry.

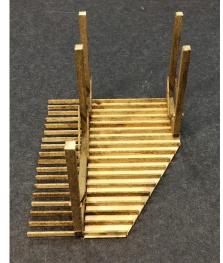




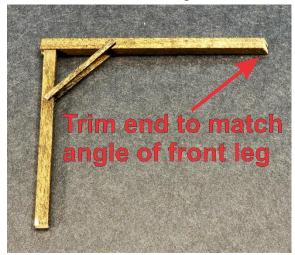
41. The support legs are more complex as well. There are 3 different leg assemblies; a 1-leg, a 2-leg, and a 3leg version. All the main legs use 1/8" x 1/8" stripwood. The cross-bracing is 1/32" x 1/16" and goes on both sides of the legs. Attach the 2 & 3-leg assemblies first. The 3-leg support should line up with the edge of the long side of the deck. As if it is holding up the 2nd floor overhang.







42. The 1-leg assembly is attached to the angled edge of the deck. The long 1/8" x 1/8" horizontal crossbeam must be trimmed to an angle that intersects with the front of the 2-leg support.





43. Now with all six legs in place, it is time to trim the two legs that will sit on top of the large 1st floor dock that is located below it. The easiest way is to have both docks sitting on a flat surface. Position the two legs that need to be trimmed up against the lower

dock and scribe the side of them at the level of the lower dock decking. Then trim them just shy of those marks. Carefully file to achieve proper fit. Do not glue the decks together currently.





44. It is time to test fit the large deck under the 2nd floor overhang. With the main structure sitting on a flat surface, and the tall 2nd story deck sitting on its six legs, the extra 1" of joists should slide under the overhang. If not, carefully file the bottom of the six legs as needed to make it fit. Once satisfied with the fit, glue the joists to the underside of the overhang. Add a length of 1/32" x 3/32" on the brick wall, supporting the joists under the overhang.



45. The other side of the building has a small platform that attaches outside the 2nd story door. Build the deck (part #38) the same way as the other docks, using the joist jig and leg support template. Attach the deck under the 2nd floor door, positioning it to the far-right side of the wall. Add the support legs under the deck, filing the bottom of the legs if needed to keep the deck level.



46. The dock on the long wall with the small warehouse door and man-door that are above the stacked stone foundation has a concrete loading dock in front of it. This is created using the 1/8" thick basswood (parts #57, 58). On #57 there are scribed lines to help align the concrete leg supports #58. Before assembly, you can rough up the edges, add cracks, and soften the edges to make it look like old, weathered concrete. Glue the legs to the top platform, paint and weather it, and attach the dock to the stone foundation, under the man and warehouse doors. The right side of the dock should be even with the corner of the brick wall. The large wooden dock should be bumped up against the concrete dock and level to each other.



47. The long wood loading dock (part #36) is built the same way as all the others. Attach it to the stone foundation of the BnB extension. This is for the trackside loads and transfers. The left side of the dock is even with the corner of the BnB extension.



48. The small dock (part #37) is assembled the same way. Attach it to the right-side short wall of the BnB. The left side of the dock is bumped up against the long trackside dock. All the docks should be done at this time. Time to "STEP" up our game...



Stairs & Railings

49. There are a few different configurations of stairs for Sunrise. Taking 1 set of steps and stringers at a time, and you will achieve nice results. Use the joist template/jig to hold the stringers in line while gluing on the step treads. Only cut out as many strings and steps as you need for each set. This minimizes losing the small pieces.







50. The 2 stairs for the long, trackside dock are extra wide and take 4 stringers each. Use the wider stair treads with these stringers. All the other stairs take 3 stringers each and use the narrower treads. You will end up with 2 wide 6-step stairs, 2 narrow 6-step stairs, 1 medium length 10-step stair, 1 medium length 11-step stair, and 1 long 21-step stair.



51. The 2 wide 6-step stairs are attached to each narrow side of the long trackside dock.





52. The narrow 6-step stairs are in locations adjacent to the man-doors. One is at the end of the concrete dock. The other is on the large dock under the 2nd floor overhang, up against the wall.



53. The long 21-step stair is for the small 2nd story platform down to the small dock of the BnB extension. Add railings to the stairs. one long angled railing on the right side of the stair, and a ½ section of angled railing to the left side of the bottom of the stairs.





54. Add the railings to the small mid-level platform. There are 3 railings (parts A, B) on the wooden sprew that fit the width and depth of the platform. Many of the railings provided can be changed around, but these 3 must be used on this platform.

55. The rest of the straight railings can be added to the upper decks and platforms. Use

pictures as refence.

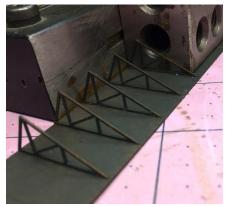


middle for staircase.

56. It's best to add the split-level staircase at the very end of the build, while setting the model into your scene. It is a rather fragile part of the model and wouldn't last being handled during the rest of the kit build.

Roof Overhangs & Signage

57. Now back to the concrete loading dock. To keep the workers dry on a rainy day, or cooler when the summer sun is beating down on them, we need to install a proper roof overhang. The roof support rafters are made from 1/64" plywood (parts #66) and the roof sheathing (Part #32). There are lines engraved in #32 to help space and align the rafters. Be sure to glue the long side of the triangular rafter to the engraved lines on the sheathing.



58. The roof sheathing (part #45) can be covered with a variety of different materials. The kit includes a sheet of laser engraved self-stick strips for the rolled roofing and standing seam roofing. But shingles or corrugated material will look great, too. Paint the sheathing a dark color just to help mask it in case any of it shows through your finished roof. We painted the rolled roofing self-stick materials with a grimy black color and followed that up with various washes of browns. We topped it off with weathering powders. Apply the first strip of rolled roofing to the bottom edge of part #32. Allow it to overhang the edges. You

can trim it to the base sheathing by flipping it over and using a sharp blade. The next strip will overlap the first by about 1/32". It will take 3 strips to cover up the roof. Rub your finger on the rolled roofing to ensure proper adhesion to the base sheathing.



59. The sign that goes on top of the dock roof is built with parts #61, 62, 65. The letters for the "SUNRISE" are glued onto the main sign board (#61). Use a guideline, like a piece of tape, across the bottom of #61 to keep the letters level. The main

sign board (#61) has 4 lines engraved on it to space and align the support brackets (#65). Add a length of 1/32" x 1/16" stripwood across the top of the brackets.





60. Glue the roof assembly onto the brick wall (#4), above the warehouse door and 2 windows. The right side of the roof goes close the corner of the brick wall. Center the sign on the dock roof.





61. There are 2 small signs located on the ends of the BnB extension, above the doors. They are built using parts #63, 64, and the paper signs on the parts list 5 of 6. The paper sign is cut out and stuck to the backer board #63. The thin frame #64 is stuck on top of the paper sign as a frame.

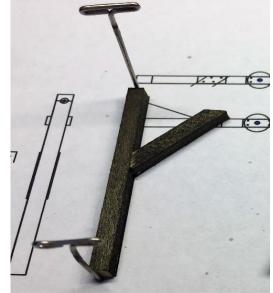




The Hoist

The hoist is an interesting feature of Sunrise. An essential piece of equipment at a warehouse for transferring larger freight between modes of transportation. The hoist can be installed on the 2nd floor dock (as shown) or on any of the other docks. As long as the top supports can be anchored to an adjacent wall or columns. The hoist is designed as a static model but can easily be modified to allow the boom to swivel. On to the assembly!

62. The main support for the hoist is built with 1/8" x 1/8' stripwood. Cut the vertical beam and 45-degree brace to length. Use the hoist template and T-pins to hold in position while gluing.

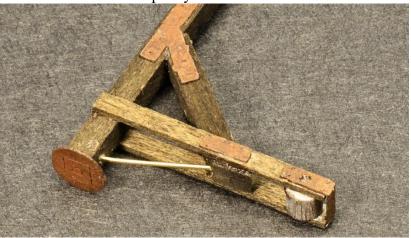


63. Add 2 pieces of 1/32" x 3/32" stripwood for the horizontal beams that support the pulley. They are glued to the outside of the 1/8" post and cross brace. Add the support brackets (parts #45, 46, 47) to act as reinforcement for the joints. Add the round mounting brackets (parts #51, 52) to the top and bottom of the main post. Drill .025" holes through the top of the vertical post and the top of the 45-degree brace. A piece of .020" brass rod is added from the hole at the top of the vertical post and into the top of the 45-degree brace.



64. The pulley (part #67) is made from 1/8" thick basswood, found on the same sheet as the parts for the concrete dock. It's tiny... so don't lose it! Glue it at the end of the two-horizontal beam. Add the bracing (part #53) around the end of the end of the beams that surround the pulley wheel.





65. The hoist mechanism is made from parts #68, 69, 70, 71, 72, 73. Start by adding the large round wheel mounts #72 onto the big lobe of the main body of the hoist #71, and the small mount #73 to the small lobe of the hoist body.







66. The geared wheels #68, 69, 70 are next. The larger wheel #68 is attached to the large round mount. The small wheel #69 is attached to the small round mount. The other small wheel #70 is attached directly to the

body of the hoist opposite the small wheel.



67. On the large and small round mounts, glue 2 lengths of thread provided. Wind the thread around each of the

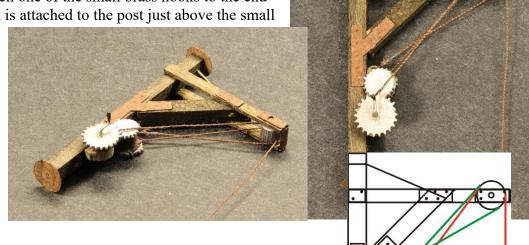
mounts a few times.



68. Take 2 short lengths of the .020 brass and bend them into small hooks with eyes. Use them in the next step.

69. Glue the hoist assembly to the vertical post. Be sure the large wheel is on the bottom. The thread from the small wheel is run up through the pulley. Attach one of the small brass hooks to the end of the thread. This hook is attached to the post just above the small

gear wheel. The thread from the large geared wheel is run through the pulley. Let the thread stay long to allow it to be modelled as lifting a heavy load. Attach the other small brass hooks to the end of the thread.



GREEN Line is hoist lines from the small wheel crank RED Line is hoist lines from the large wheel crank

70. For the horizontal triangular brace that will attach to the roof or wall, 3/32' x 3/32" stripwood is used for the 2 beams. Add 2 1/32" x 3/32" stripwood to the top of the beams to act as cross-bracing. Use the template to determine length and position along the beams. Add 2 reinforcing brackets (parts #49, 50) to the top and bottom of the pointed section of the assembly. Be sure the engraved dots line up with the mains beams. These dots represent bolts holding the assembly together. The ends of the two arms need to be filed to match the angle of the roof.



71. Add the two mounting plates (part#74) to the two arms of the triangular brace. These are meant to act as plates to secure the horizontal brace to the roof.



72. Now, with the two hoist assemblies complete, it's time to add them to the 2nd floor dock. Start by adding the mounting plate (part #48) to the 2nd floor dock. Locate it in the front corner of the dock.



73. First mount the vertical hoist assembly to the plate on the dock. Then glue the horizontal brace to the top of the hoist and the two arms to the roof. Keep the brace level, and the hoist plumb.



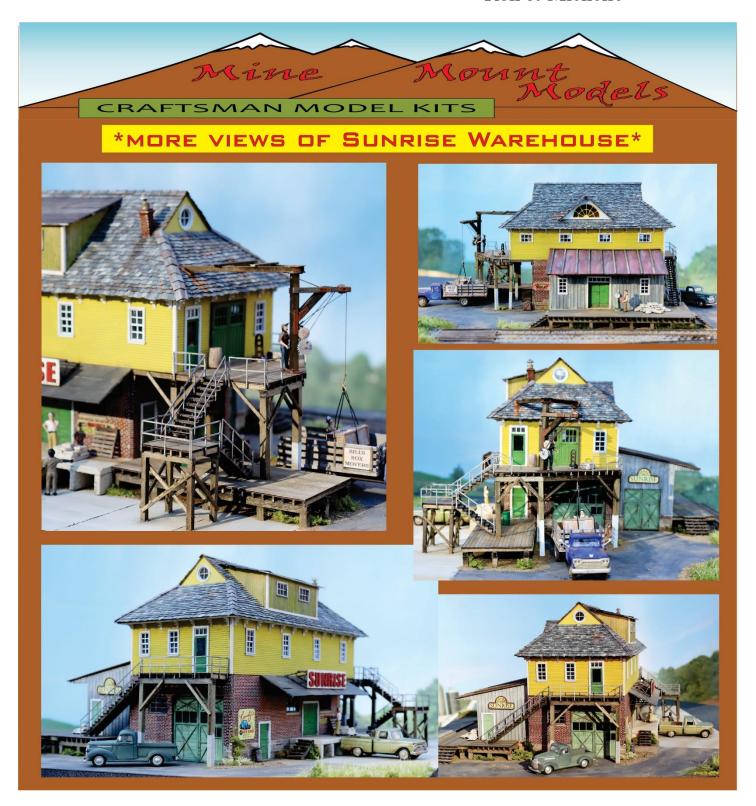


The model will be complete at this point. Add as many details as you would like.

We want to thank you for enjoying the building of **Sunrise Warehouse**. Please share your finished build by sending good quality pictures to info@MineMountModels.com and we will post them in the "Customer Build Gallery" section of our website. Also, checkout our other products by visiting

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Ron & Michelle





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