

Contents

Chapter 1

Build a cold-storage warehouse4

Chapter 2

Kitbash an iron ore loader12

Chapter 3

Kitbash a freezer manufacturing plant.....18

Chapter 4

Build an oil dealer in a small space24

Chapter 5

Model a bulk transfer facility30

Chapter 6

Kitbash a split warehouse.....34

Chapter 7

Modeling a cement plant from photos38

Chapter 8

Build a wholesale grocery warehouse.....45

Chapter 9

Scratchbuild an old-time factory48

Chapter 10

Model a propane bulk dealer54

Chapter 11

Kitbash a soybean processing plant60

Chapter 12

Scratchbuild a bentonite (clay) processing plant ..68

Chapter 13

Build a modern oil-recycling plant.....77

Chapter 14

Build an asphalt transfer terminal87

Chapter 15

Model a modern lumber yard92

Chapter 16

Pack large industries into limited spaces.....98

Chapter 17

Kitbash a brewery complex102





1

CHAPTER FOUR

Build an oil dealer in a small space

BY DON JANES

Photos by the author

Faced with an empty wedge of space alongside my HO scale White River Junction roundhouse, I filled it with a small industry. Rather than a typical spur, this oil dealership is served by a former “garden” track leading off the turntable.

After finishing the Central Vermont’s White River Junction roundhouse scene on my HO scale Boston & Maine layout, I had a large triangular area in the foreground remaining to be filled. Prototype photos showed this area to be an empty lot, but the property also showed evidence of old footings and foundations from days gone by.

After several weeks of placing small buildings in the area to get a feel of what might look good, I came up with the idea of adding a small fuel oil dealer. This would not only add a couple of structures but would also create a small industry that would be serviced by rail.

I came up with a scenario to justify the scene. When freight traffic levels started to drop after World War II and diesels started to appear, the CV pulled up a number of unused tracks alongside the White River Junction roundhouse. A local fuel oil dealer worked out a lease agreement with the railroad that let it use one of the remaining tracks for unloading oil tank cars. The dealer built an office, garage, and oil tank on the vacant site, 1.

On any given day, one or two tank cars are spotted on the unloading track. Tank trucks from several different companies fill up here and head out to fill oil tanks throughout the area. You

can, of course, adapt this idea to fit any space available along a spur or siding as well.

Building the scene

While attending a model train show, I saw Fisher Fuels by Railroad Kits (www.railroadkits.com) and knew it was perfect for my oil dealer. The HO scale kit has a small office/garage building, a plastic oil storage tank, and several cast detail parts. If you can’t find this kit or it won’t fit your space, any small industrial office will work for this scene, and the oil tanks are sold as a separate item by Rix.

The first order of business was to remove the scenery on the empty area near the roundhouse—which I originally planned to be a parking lot for trucks—down to the plywood base. This went quite quickly by soaking the area with water to soften the white glue and loosen the ground cover. Once the scenery material softened, it was

just a matter of scraping it away with a putty knife. I now had a clean, flat plywood base for the new scene.

I assembled the wooden Fisher Fuels office/garage according to the instructions and built the steel oil storage tank included in the kit so I could move them around until I came up with an arrangement that would best suit the area, 2. The kit came with paper strips to model rolled roofing, but I decided to use these on only part of the building. I substituted laser-cut, three-tab shingles from Bollinger Edgerly Scale Trains (www.besttrains.com) on the office part of the building for variety.

I also added some more details such as barrels, boxes, and brooms to enhance the realism. Two small metal chimney pipes were added to the roof along with the plaster brick chimney casting supplied with the kit. All the signs on the building were included with the kit.



1

CHAPTER SIX

Kitbash a split warehouse

BY JIM HEDIGER

Photos by Bill Zuback and Jim Forbes

The east side of the large warehouse is a long triangular structure that parallels the dock on one side. The plain rear wall matches the separation line through the middle of the railroad so the layout sections can be separated and rearranged.

Model Railroader's HO scale Rice Harbor project layout is set in coastal South Carolina during the 1930s, so we picked structures that help support that theme. Dividing the scenes was an early challenge in planning the layout. We needed a way to screen the activity on one side of the layout from the other without using a double-sided backdrop that would be difficult to blend into our coastal environment.



1

CHAPTER NINE

Scratchbuild an old-time factory

BY GERRY LEONE

Photos by the author

Drawings from the September 1970 *Model Railroader* inspired Westco, a freelanced industry on my HO scale Bona Vista RR. The building uses wood siding, plastic door and window castings, and cut-stone plastic sheets, among other materials.

When I needed an industry for the outskirts of the town of Westcott on my HO scale Bona Vista RR, I paged through old issues of *Model Railroader* for ideas. One that really appealed to me was the structure in “Build the Bartlett Building Materials Warehouse,” a set of drawings and photos by Elmer Cerny in the September 1970 issue. The building was tall but not overbearing. Although I couldn’t build it exactly as the article depicted, I picked up its distinctive features to develop a freelanced structure that would fit into the 5" x 9" space I had available, 1.

Feasibility study

To see how the building would fit into its surroundings, I made a semi-realistic computer mock-up using Adobe Illustrator. First, I scanned the drawings from the original article and used those as a tracing template to draw them in Illustrator. I skipped many of the intricate details, adding only the doors, windows, and stone foundation.

Once I felt I had a good representation of the structure, I began resizing the walls horizontally to fit the allotted space, excluding the doors and windows so I wouldn’t accidentally or unrealistically distort them. I took some architectural license to add, move, or delete some until I had a building design that looked right.

I attached the drawings to cardboard, folded it up, and set the mock-up on the layout, 2. With a little shift in the track, everything would fit fine. I then printed out a second set of drawings to use at the workbench for dimensions. My drawings are shown on page 50.

From plan to reality

I scratchbuilt the structure out of basswood since I had plenty of sheets of 1/16"-spaced Northeastern Scale Lumber clapboard siding on hand. A quick trip to the hobby store produced several packages of Tichy 27" x 62", 4-over-4 double-hung windows, which were close enough to the original to look good. I also picked up a package of Tichy’s 72" x 108" freight doors with transoms, 27" x 40" and 36" x 42" 6-lite windows, and 36" x 80" 4-lite wood doors, 3.

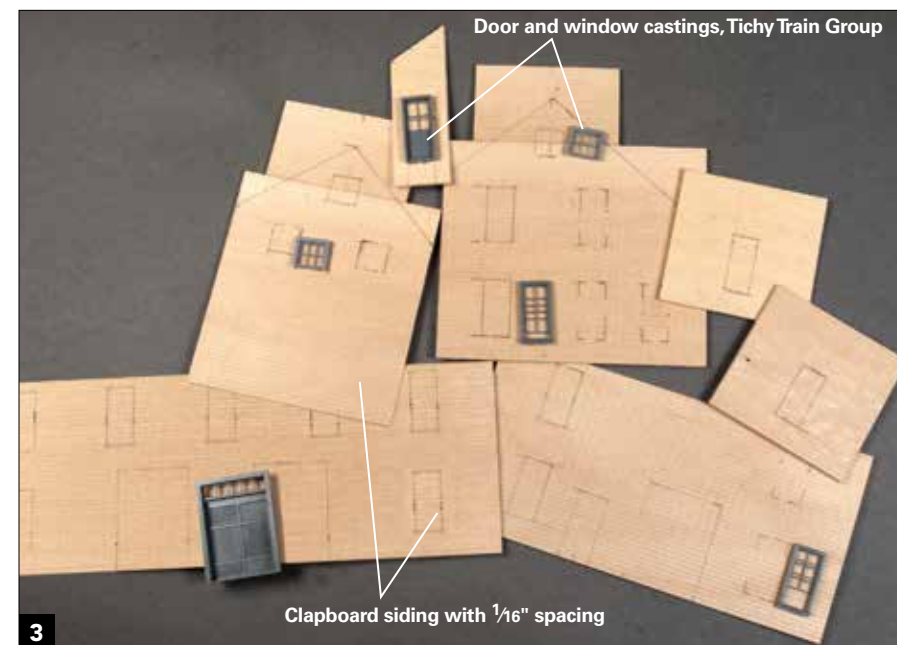
Because the end walls are taller than the pieces of Northeastern siding, I glued two pieces with a simple butt joint. Then I carefully marked the openings for all the windows and doors, measuring the actual window castings to be sure I got a tight fit.

Before cutting the openings, I attached masking tape to the back of the basswood to keep it from splitting. I cut the corners for the window and door openings using a Micro-Mark corner punch in a non-turning drill press (see “Two easy ways to make a



2

To confirm Westco would fit in the available space, I made a mock-up by attaching scale drawings to cardboard. The mock-up also showed how the structure would look in relation to other buildings.



3

Each of the walls was carefully measured and cut from Northeastern Scale Lumber clapboard siding. All window and door locations are marked, using the plastic castings as templates.

rough opening” on page 53).

I then assembled all the walls using white glue, adding 1/8"-square basswood strips in the corners. I also added 1/4" basswood to the back of the walls, perpendicular to the grain, to reinforce the butt joints and prevent the walls from warping later on, 4.

I airbrushed the window and door castings with Polly Scale Reefer White. After the paint dried, I lightly drybrushed them with the same firm’s CP Gray, creating a peeling paint

effect. This paint is no longer made, but you can substitute any other brand you prefer—the exact shades aren’t critical.

I cut pieces of clear acetate for the window glazing and attached it using Formula 560 Canopy Glue, which is designed for clear parts and dries clear.

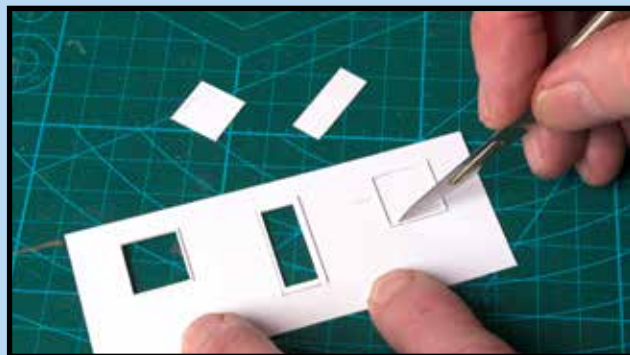
One of the features I really liked on the prototype was the stone foundation—a feature not found on other structures on my layout. I used MBS (Model Builders Supply) stone sheets for this. I cut them a scale 4

Industries add operational and visual interest

Every model railroad needs industries to keep trains rolling, and *Build Big and Small Industries for your Model Railroad* provides inspiration and how-to instructions for adding many types of businesses to your layout. Each chapter is a hands-on project, taken from the pages of *Model Railroader* magazine. Featured industries include a brewery, lumber yard, propane distributor, asphalt terminal, iron ore loader, and more! The rail-served industries represent all regions of the country, covering periods from the steam era through today.

In this book, you'll find information on:

- How to simulate large industries in small spaces
- Building structures with styrene, wood, and many other materials
- Combining multiple kits to create new structures
- Painting and weathering structures and details
- Basic scratchbuilding methods
- Using prototype photos to re-create realistic models



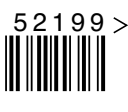
www.KalmbachHobbyStore.com

\$21.99

U.S.

12819

ISBN 978-1-62700-686-6



9 781627 006866

6 44651 60079 2