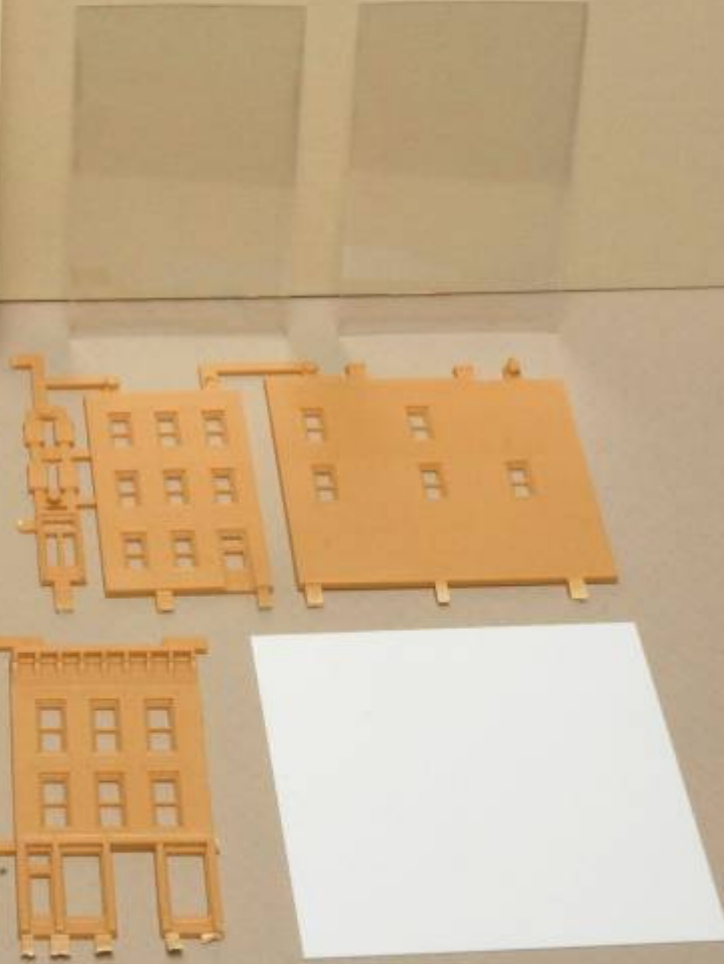


DPM

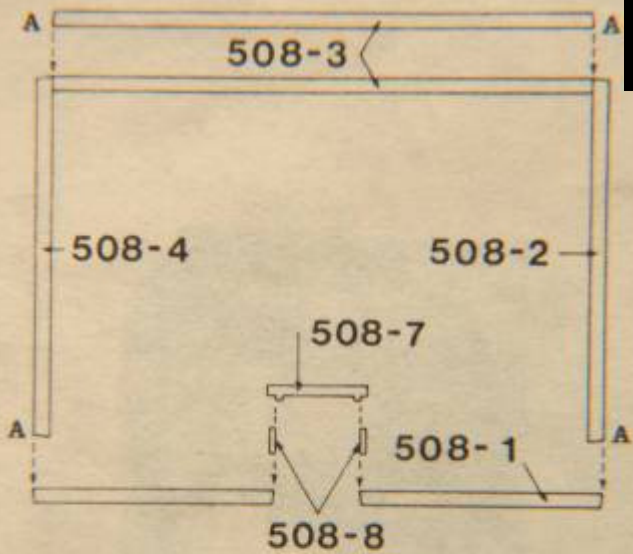
*getting the most out of the Design
Preservation Models kits*





The basic typical DPM kit contains:

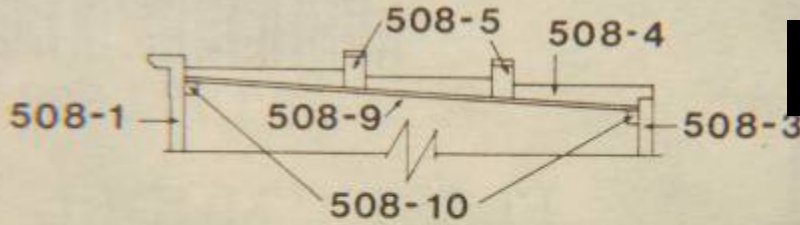
- Instructions
- Glazing
- Four walls
- Other parts
- Sheet stock
- Strip stock



Footprint

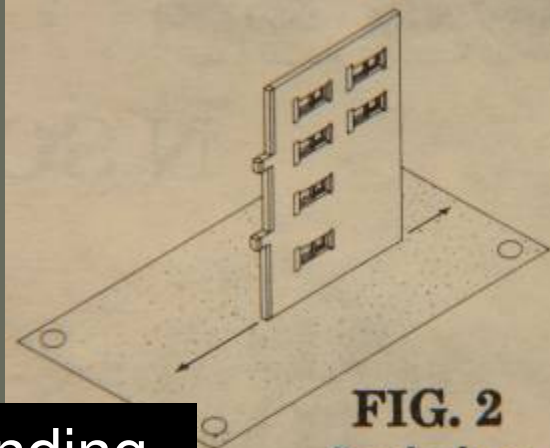
FIG. 1

Plan (view from top)



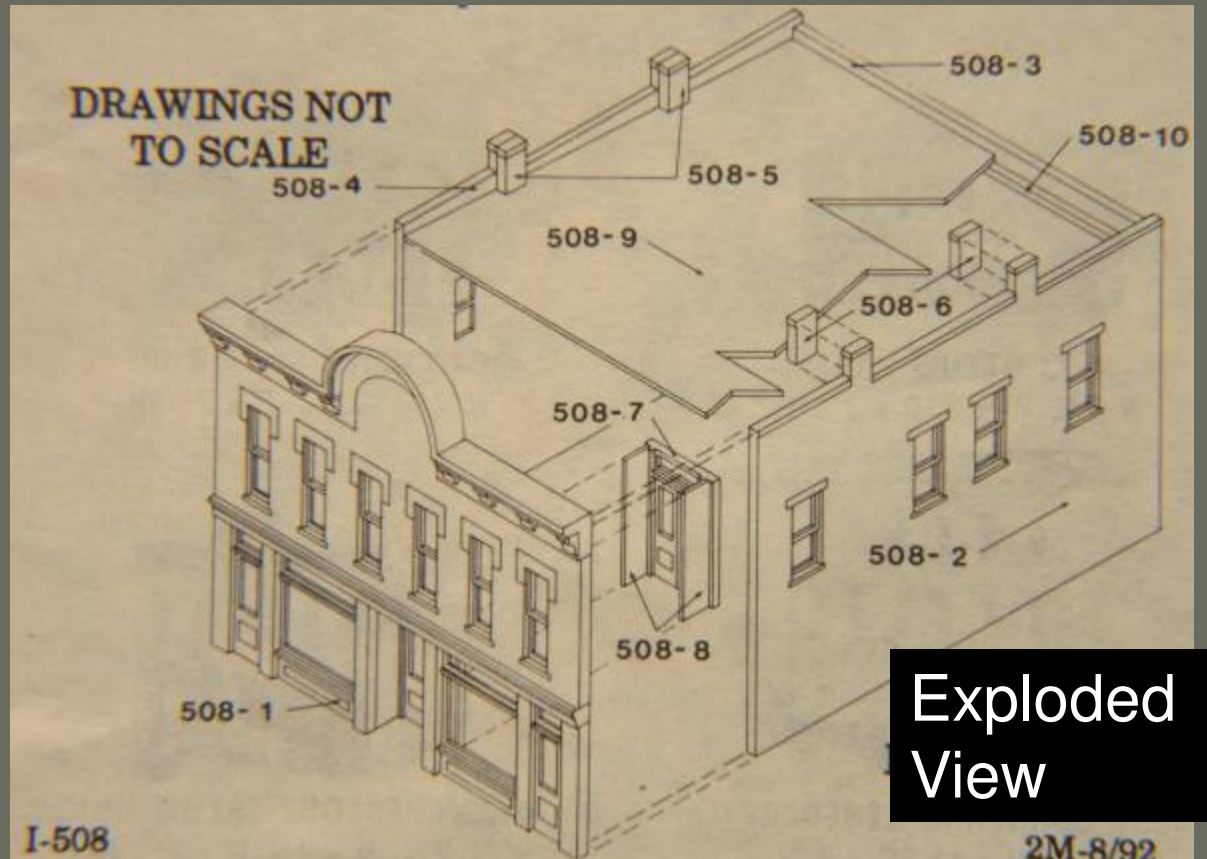
Roofing

FIG. 3
Cross Section



Sanding

FIG. 2
Sand edges
square.



Exploded
View

The basic DPM kit typically does not contain...

- Foundations
- Detail parts
- Tips for construction techniques
- Options for kit-bashing
- Painting, finishing & weathering instructions
- Suggestions for window treatments

Styrene Solvents



1

Enhancing the basic kit without substantial changes



**BRUCE'S BAKERY is
one of the smaller kits.**

- *Here, it is as pictured in the Walther's Catalog.*
- *With no basic changes in the footprint, the kit can be enhanced in several ways.*

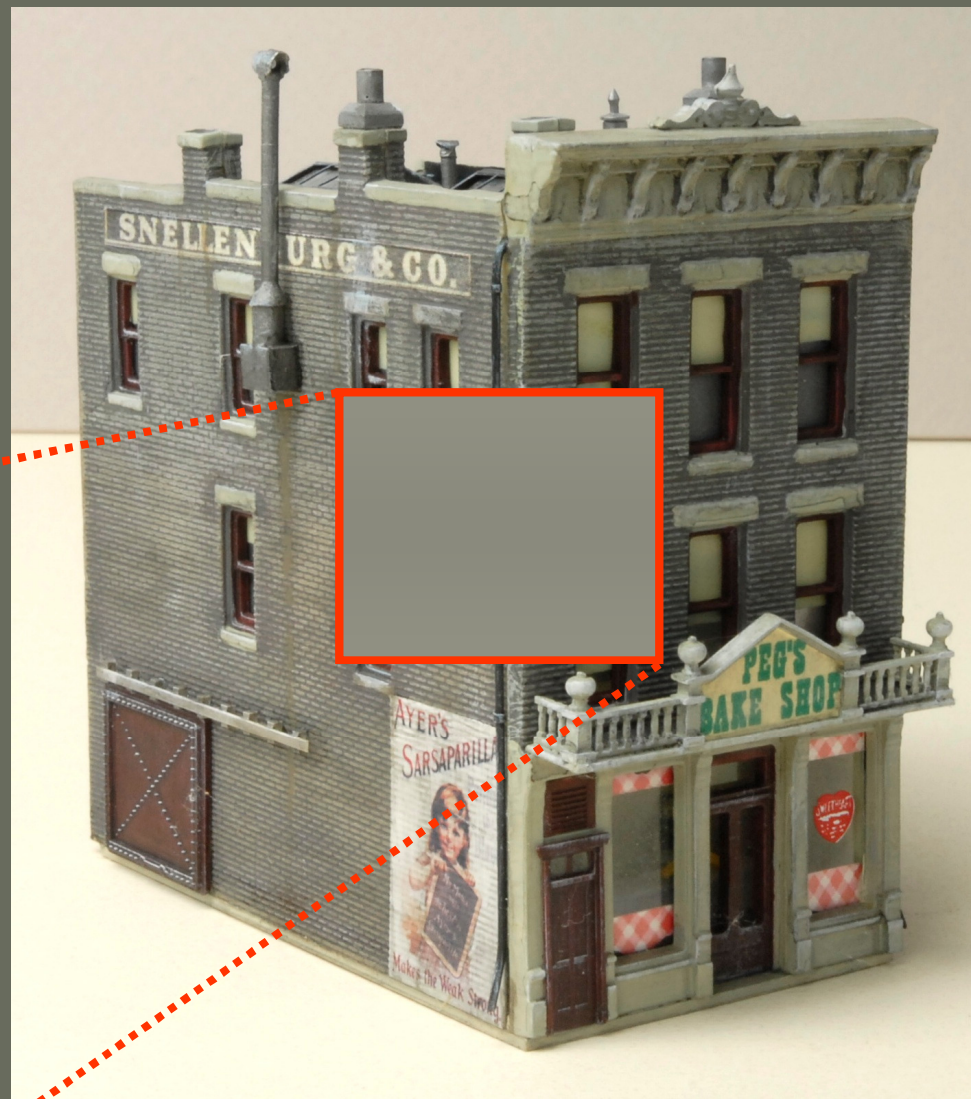
Basic Painting

First, the four sides were primed gray (automotive primer)

Then, the sides were give a heavy wash of Polly Scale Dark Gray mixed with Dirt.

When dry, fine grit sandpaper (300-400) was used to sand off the surface paint, leaving the dark gray in the brick striations for mortar joints.

Windows, headers, sills and trim were brush painted.



Left side details...

Chimney top

Simulating tin flashing for extended chimney

Vent pipe

Use styrene square rod for the junction box

Roof drain

Brass rod and wiring insulation for pipe couplers

Freight door

Use styrene strip stock to construct the hanger

Signage

Embossed

Foundation



Front Details...

Cornice ornament

White metal detail part

Window shades

Painted on the interior

Balustrade & sign

White metal detail part

Dry transfers

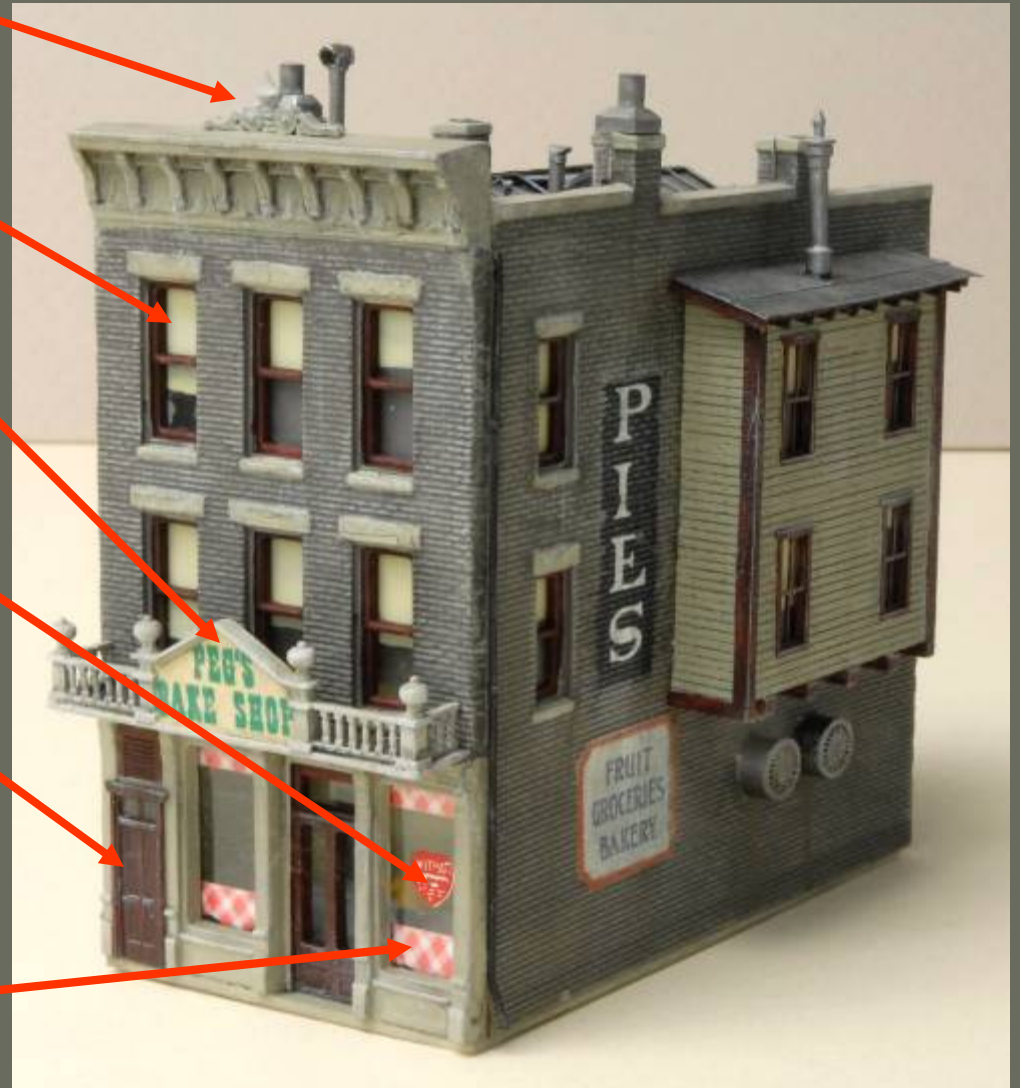
Woodland Scenics

New pedestrian door

*Use vent to block
clerestory window*

Curtains

Clipped from catalog



Right side details...

Chimney top

Matches left side

Roof drain

*Matches left side and
hides seam*

Scratch-built bay

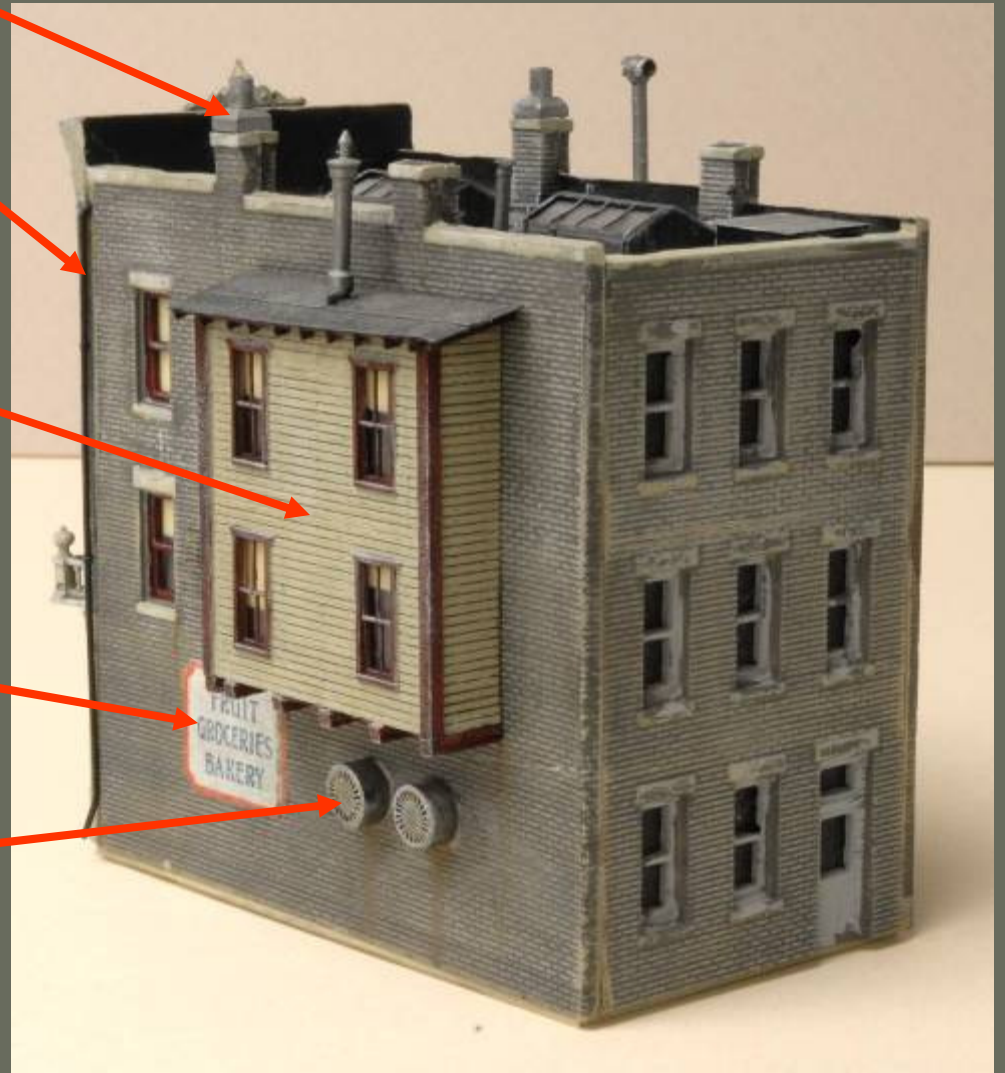
*Scribed basswood,
Grandt Line windows,
rafter ends, stove pipe*

Sign

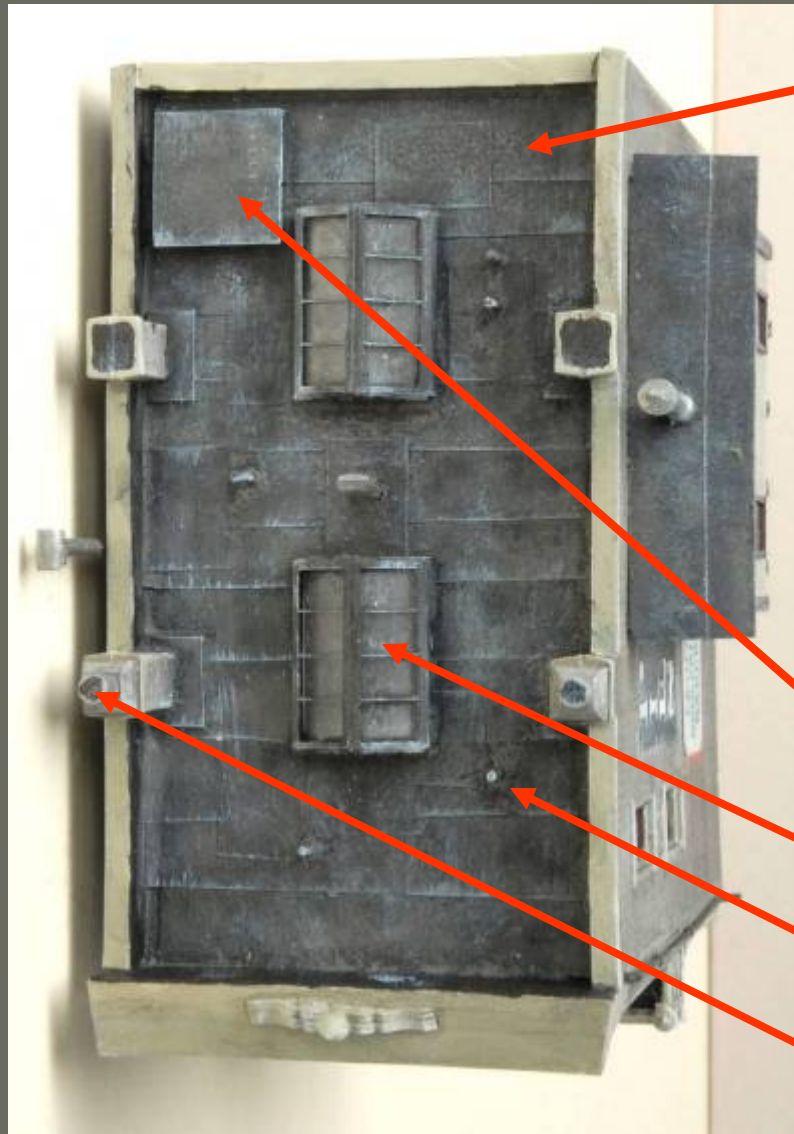
Embossed

Kitchen blowers

*Etched brass diesel fans
and MacDonald's
straws*



Roof Details



Simulated tarpaper

- *If the sub-roofing is styrene, laminate paper to it before installing rolled roofing strips*
- *Use grained paper for roofing strips*
- *Paint Grimy Black*
- *Dry brush with Light Gray*

Access Hatch

Etched brass skylights

Roof vents

Painted chimney holes

Finishing Tips

Once all the construction and painting is complete, float a final coat of alcohol/ink mixture over the whole structure to tie everything together.

Dry-brush the window sills and door frames with Light Gray Polly Scale paint.



2

Another Kit with Minimal Changes



ADDED DETAILS

- *Window displays*
- *Main entrance sign (Bar Mills)*
- *Painting variations*
- *Roof gizmology*

ADDITIONAL DETAILS

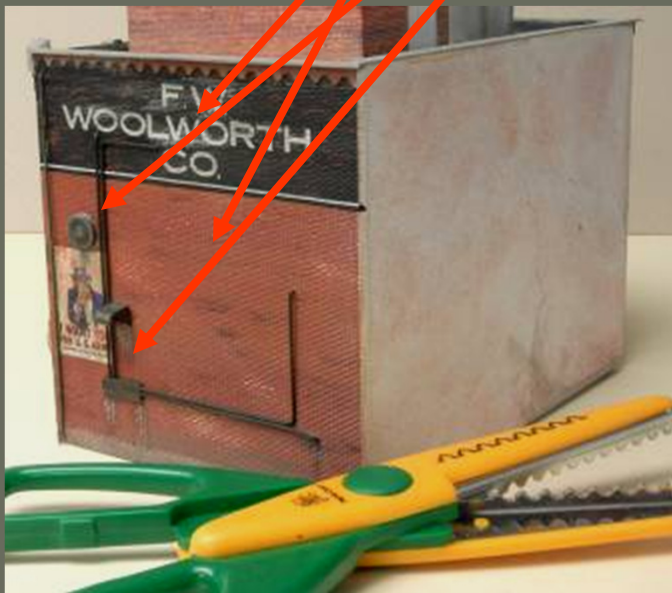


Substituting the windowed ends for solid wall ends, since on my layout this structure would not function as a corner building

Signage

Extra plumbing, conduit, blower, vents and drains—plus cornice gingerbread

Roof access and roof “gizmology”



3

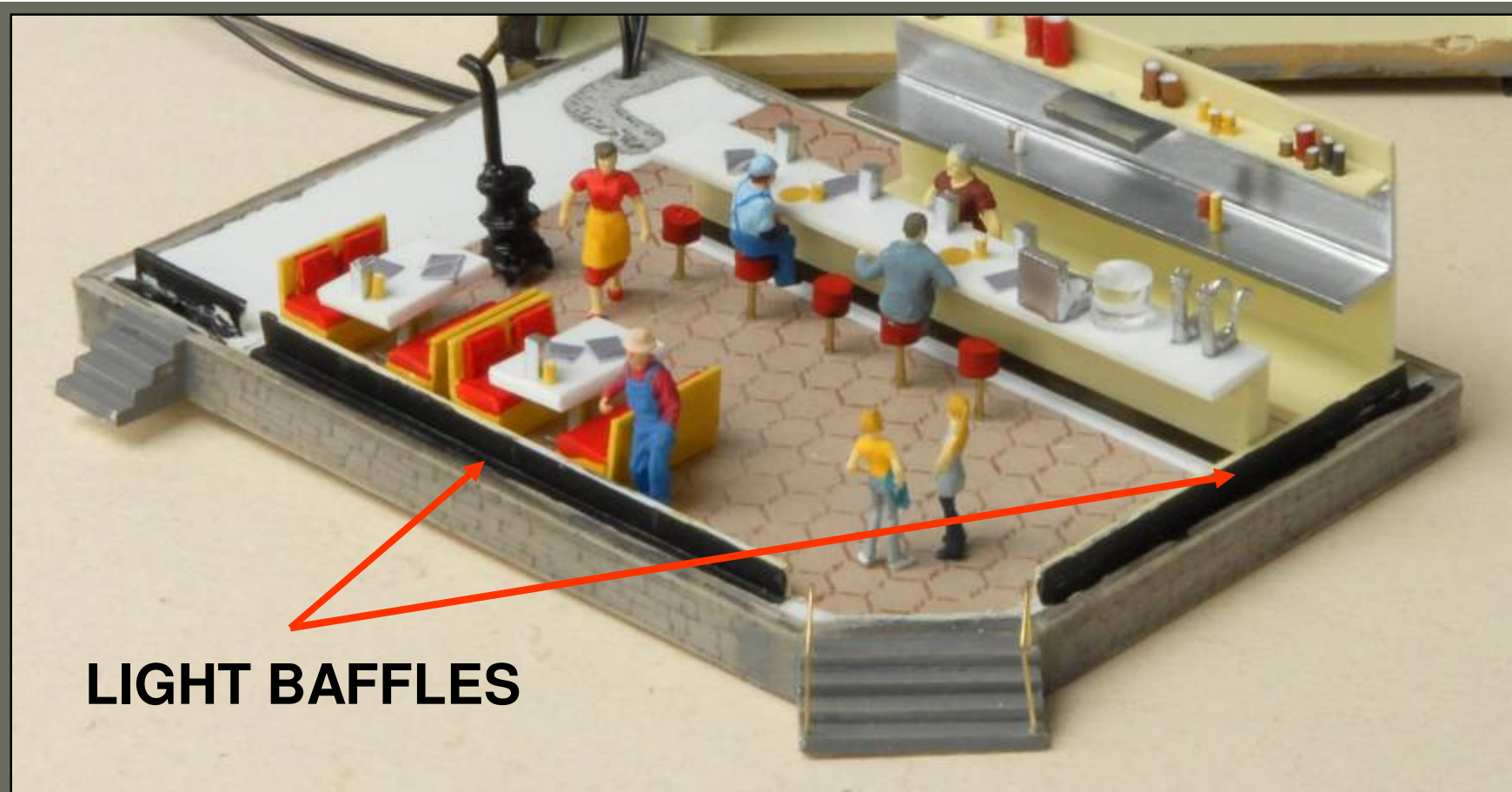
Super-detailing an Interior



CORNER TURRET BUILDING

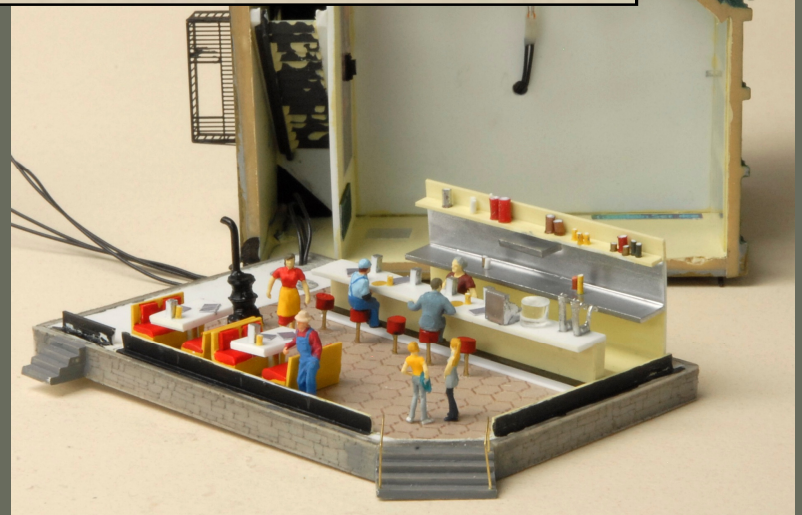
Besides an added foundation, steps and other detailing, the primary distinction is an elaborately detailed interior.





LIGHT BAFFLES

Besides the scratch-built interior, it is critically important to create baffles to eliminate light leaks between the shell and the foundation.



Night scene of café

A well-lighted building with lots of windows makes for great “eye candy” in a night scene



Source for Period Signage

Desperate Enterprises catalogs





Irresistible
Cat.# 863 12½"W x 16"H



Mennen's Toilet Powder
Cat.# 10 13"W x 16½"H



Ayer's Mother w/ Child
Cat.# 413 10½"W x 16"H



Pearline Soap - Boy w/poster
Cat.# 380 10¼"W x 16"H



Dr. Pierce's Golden Discovery
Cat.# 370 7¼"W x 16"H

Desperate Enterprises,
Inc.

728 Smith Rd.
Medinia, OH 44256

www.desperate.com

(800) 732-4859

4

Cutting Up a Kit

HILLTOWNE HOTEL



- *Medium sized kit as pictured in Walther's Catalog*
- *This kit can be either reduced or enlarged, depending upon space available.*
- *First, we will saw off one end.*

Reduction

Cutting

To cut off bays, use repeated scores with a hobby knife or use a small razor saw.

End Wall

Here, because the end of the hotel would be butted against another structure, I elected to use sheet styrene for the end wall and paint it black.



Painting



Exterior

Using spray bombs (gray primer, flat black, flat white) I misted the colors into each other and allowed them to bleed.

I brush painted the window trim.

Interior

I painted the interior flat black (to seal light leaks from interior lighting) before wallpapering the lobby walls.

Frontside Details

Sign

Scratch-built

A/C units

For premium rooms only

Window Shades

Tan paper

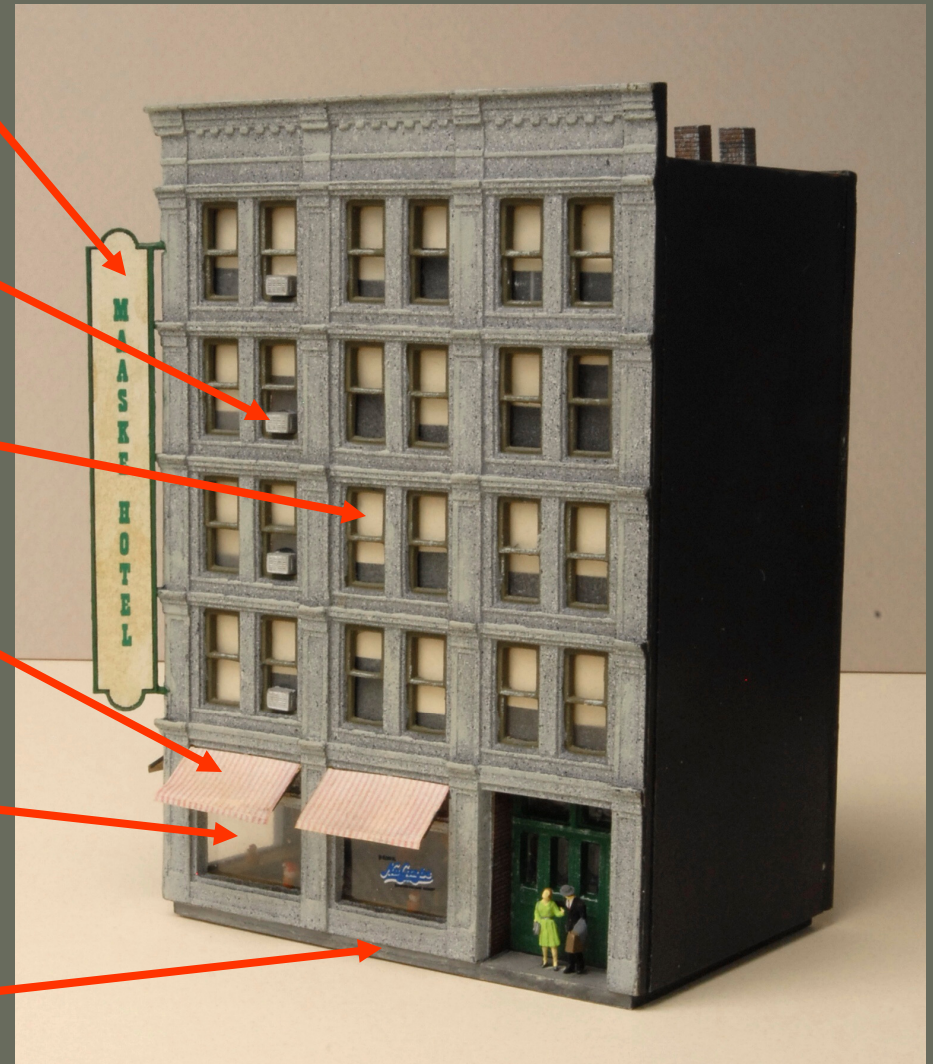
Awnings

Clipped from clothing catalog

Lobby Interior

Counter, people, flowers

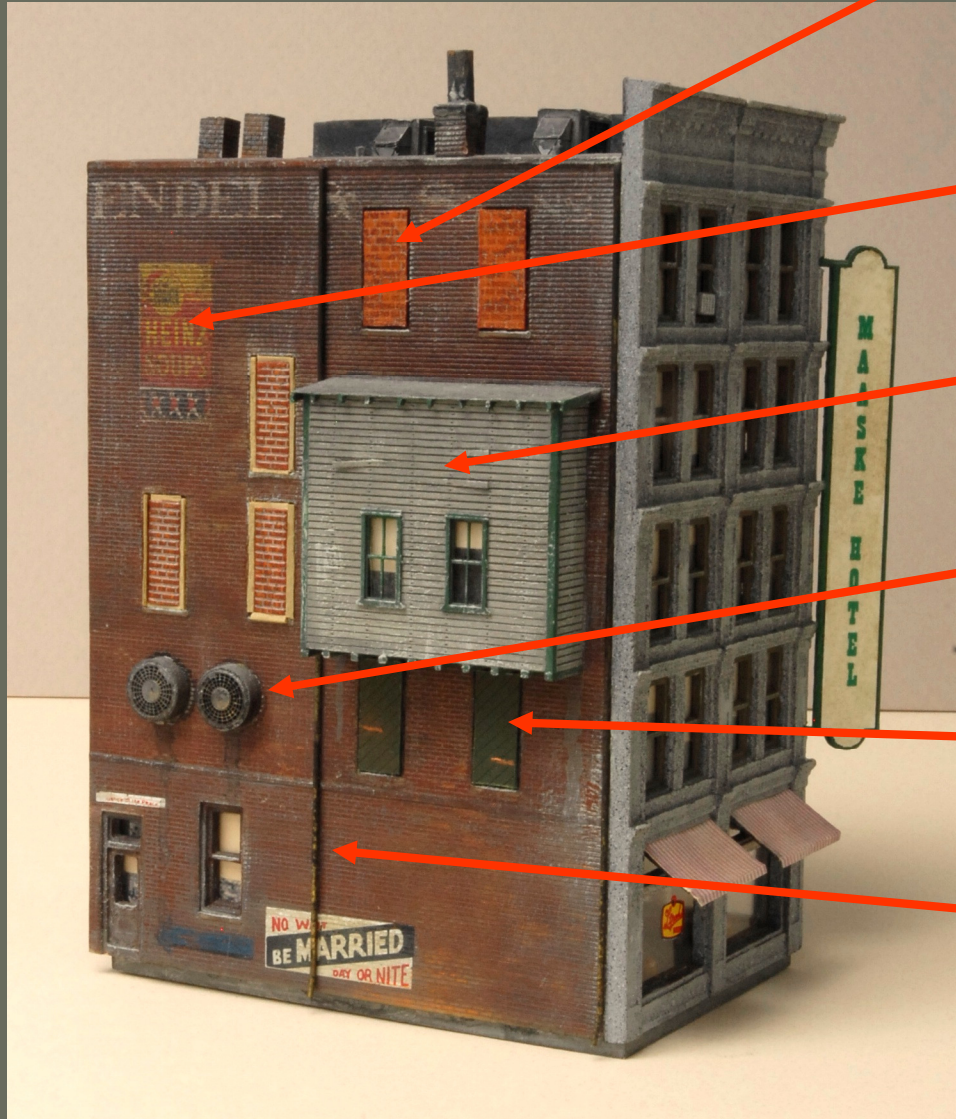
Foundation



Block out
some
windows to
simulate
unoccupied
rooms



Backside Details



Bricked windows

Different bricks suggest later additions

Signage

Dry transfers

Bay window

Scratch-built from wood

Blowers

Diesel grills & straws

Shuttered windows

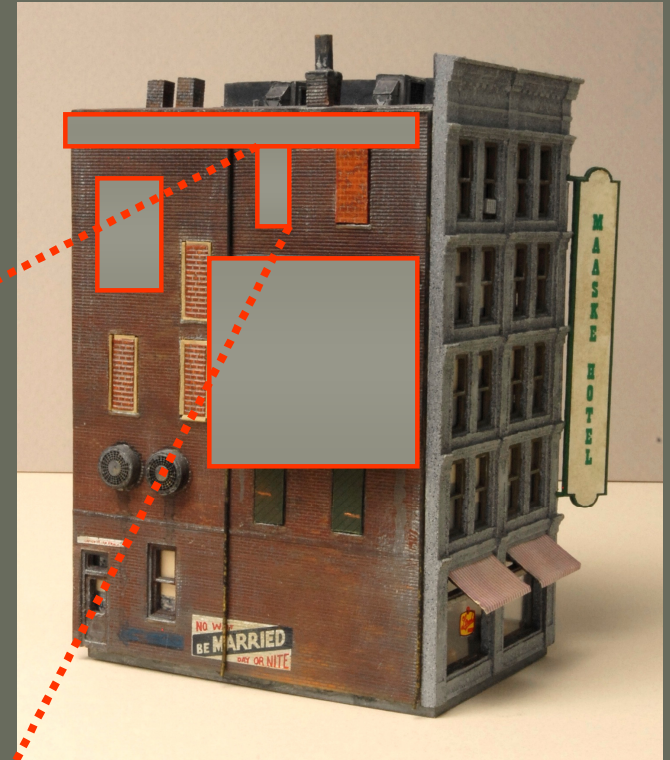
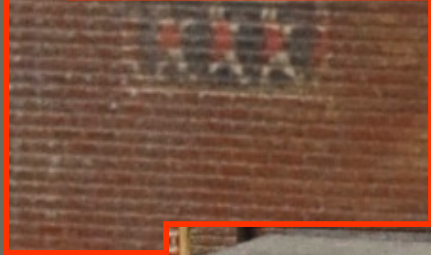
From the scrap box

Drain pipe

Brass rod with gun blueing

Finishing Tips

Weather over signs and lettering

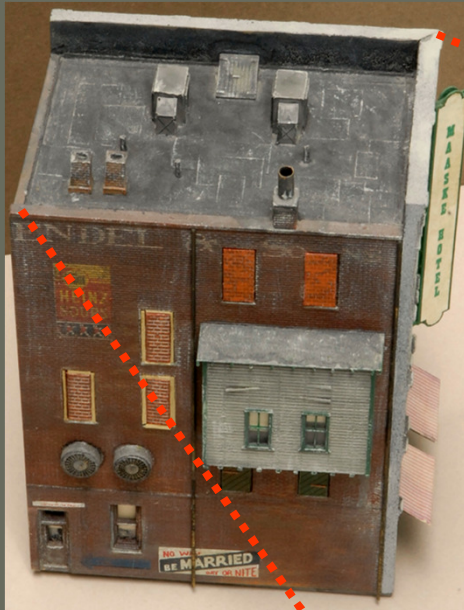


Vary brick color

Use a chisel blade to lift up "loose" boards; use a pounce wheel to make nail indentations

Roof Details

Dry-brushing emphasizes form and illuminates details; it simulates light that bounces off of sharp edges



Patched roofing

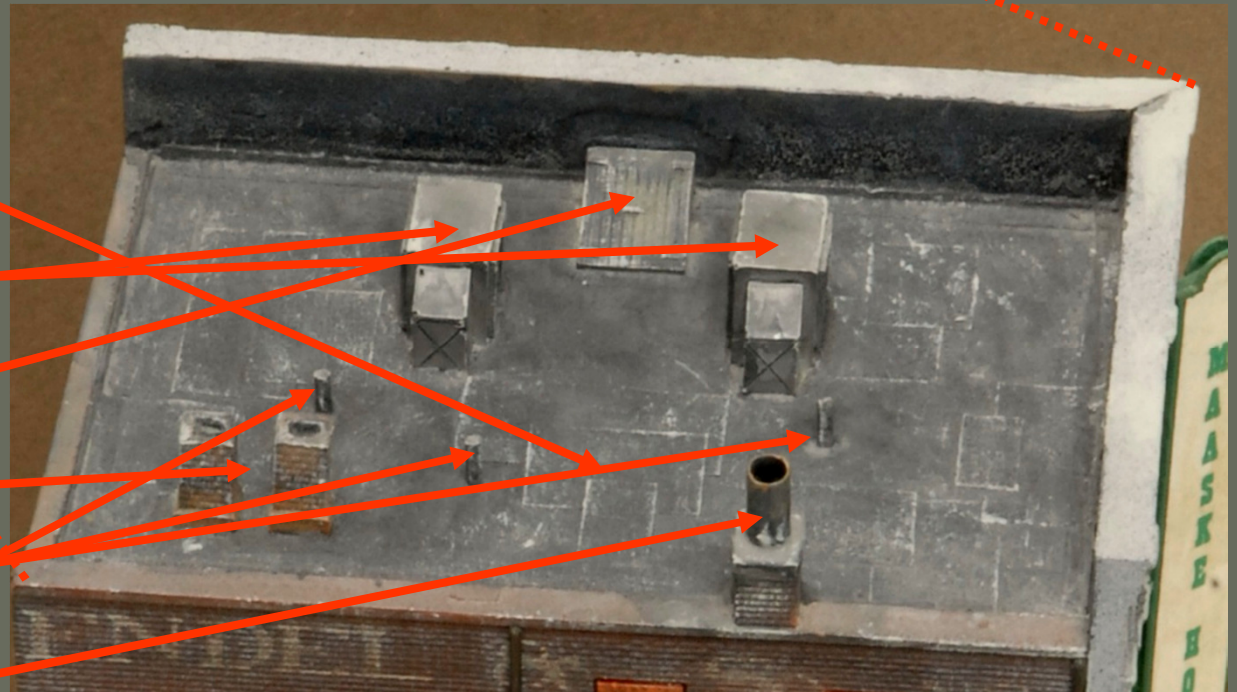
A/C units

Access trap door

Chimneys

Vents

Chimney extension





Enlarging the Kit

This hotel lends itself to making a large city building by combining several kits.

- *The cornice on each front should be cut off (except the top one)*
- *Reinforce the inside walls with square strip styrene*



5

Expanding the Basic Kit

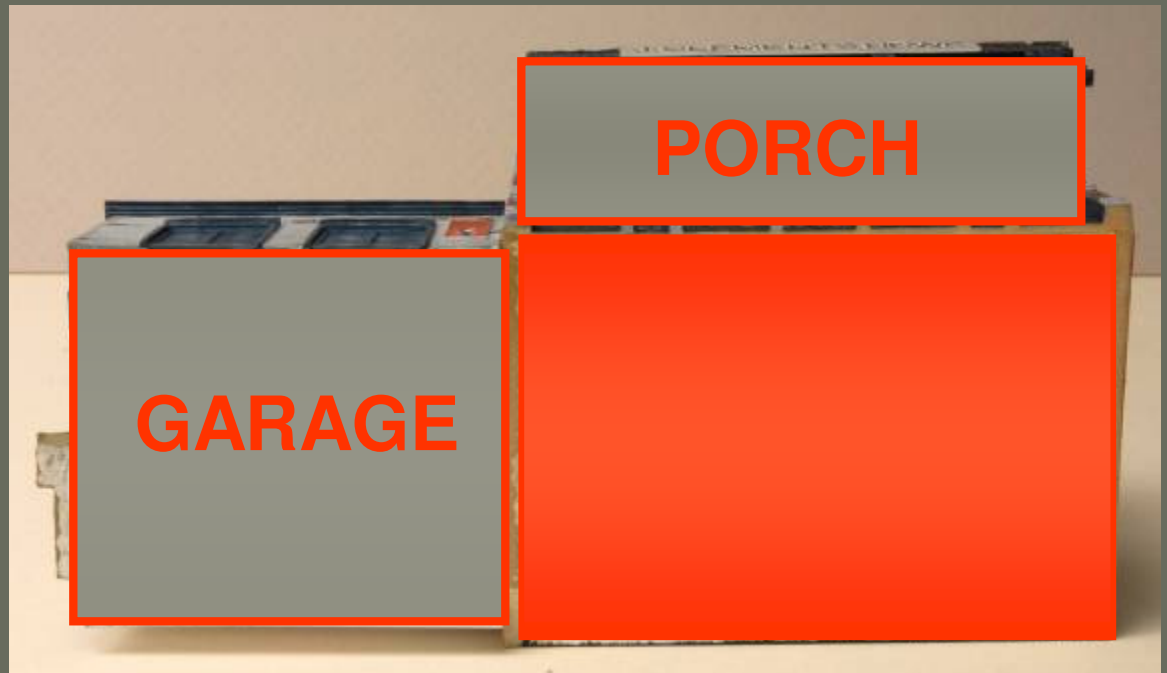


ERIK'S EMPORIUM

- *Here, pictured in the Walther's Catalog*
- *By adding scratch-built extensions on the front and left side, the character of the building will be changed significantly.*

Viewed from the bottom, you can see the porch extension on the front of the structure and the garage extension to the side.

Expanded Footprint



Foundation

The kit walls may be built as designed.



SIDE VIEW

Porch steps and a foundation can then be constructed from layers of styrene sheet stock to fit the building shell.

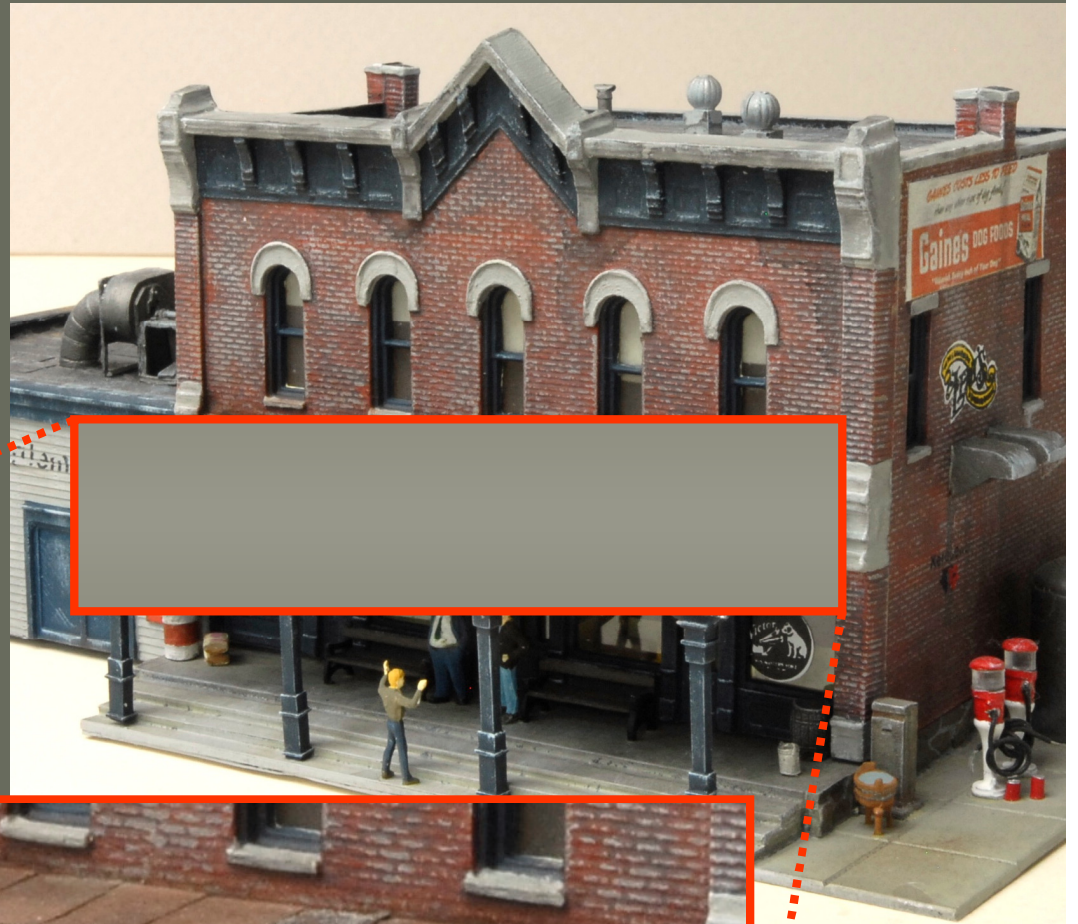
Interior window displays can be scratch-built on the foundation base.



FRONT VIEW

The Porch

- Acid etched corrugated roofing (Archer's Etchant)
- Dry transfer sign
- White metal porch posts



STYRENE SCRATCH -BUILT GARAGE

*Squirrel cage
roof blower*

*Simulated
tarpaper roof*

*Commercial
doors and
windows*





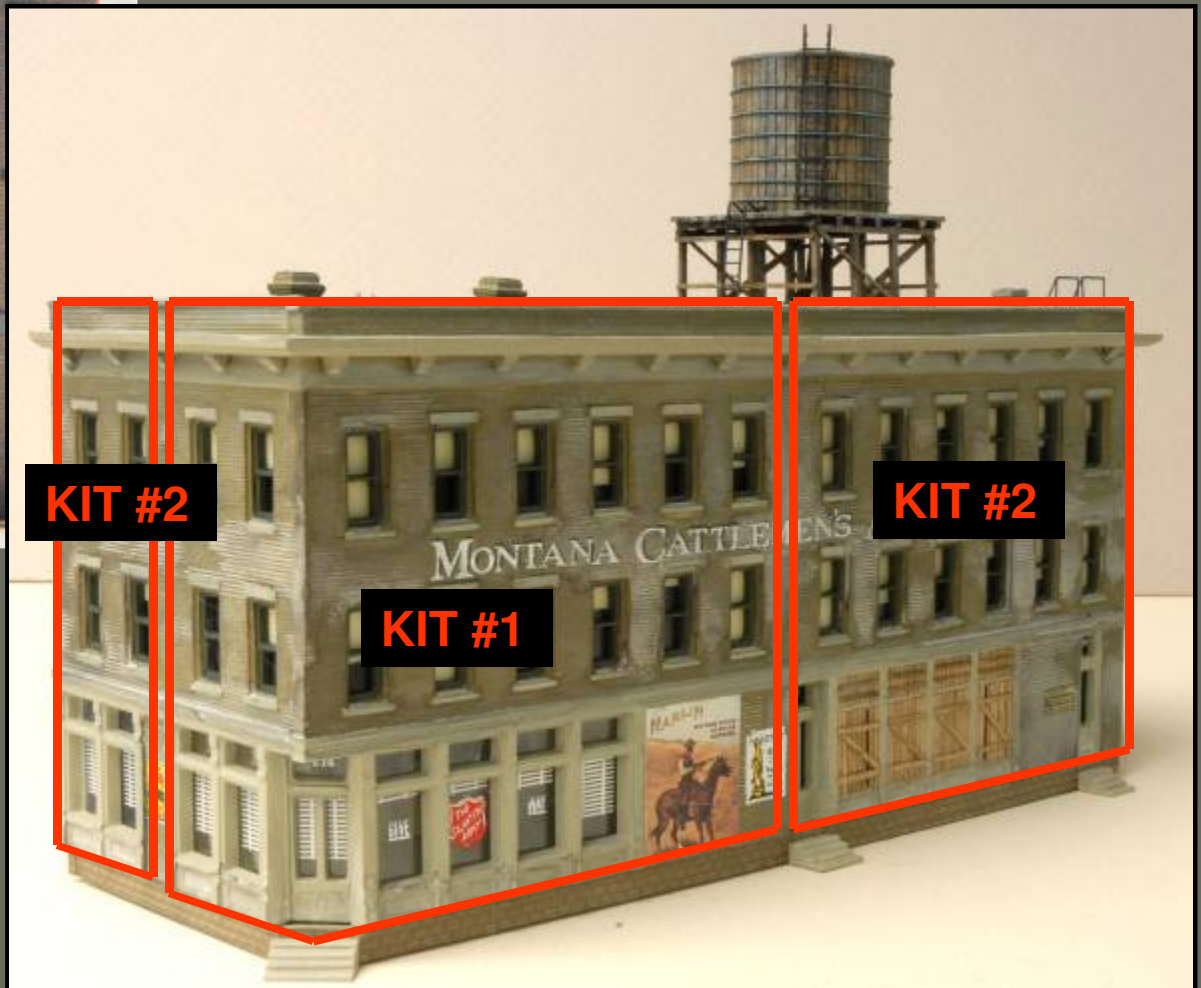
6 Doubling a Kit

This kit lends itself to doubling by joining two kits side by side and extending the sides



**CORNER
APOTHECARY**

As shown by Walthers



Special Treatments

Scratch-built
water tank

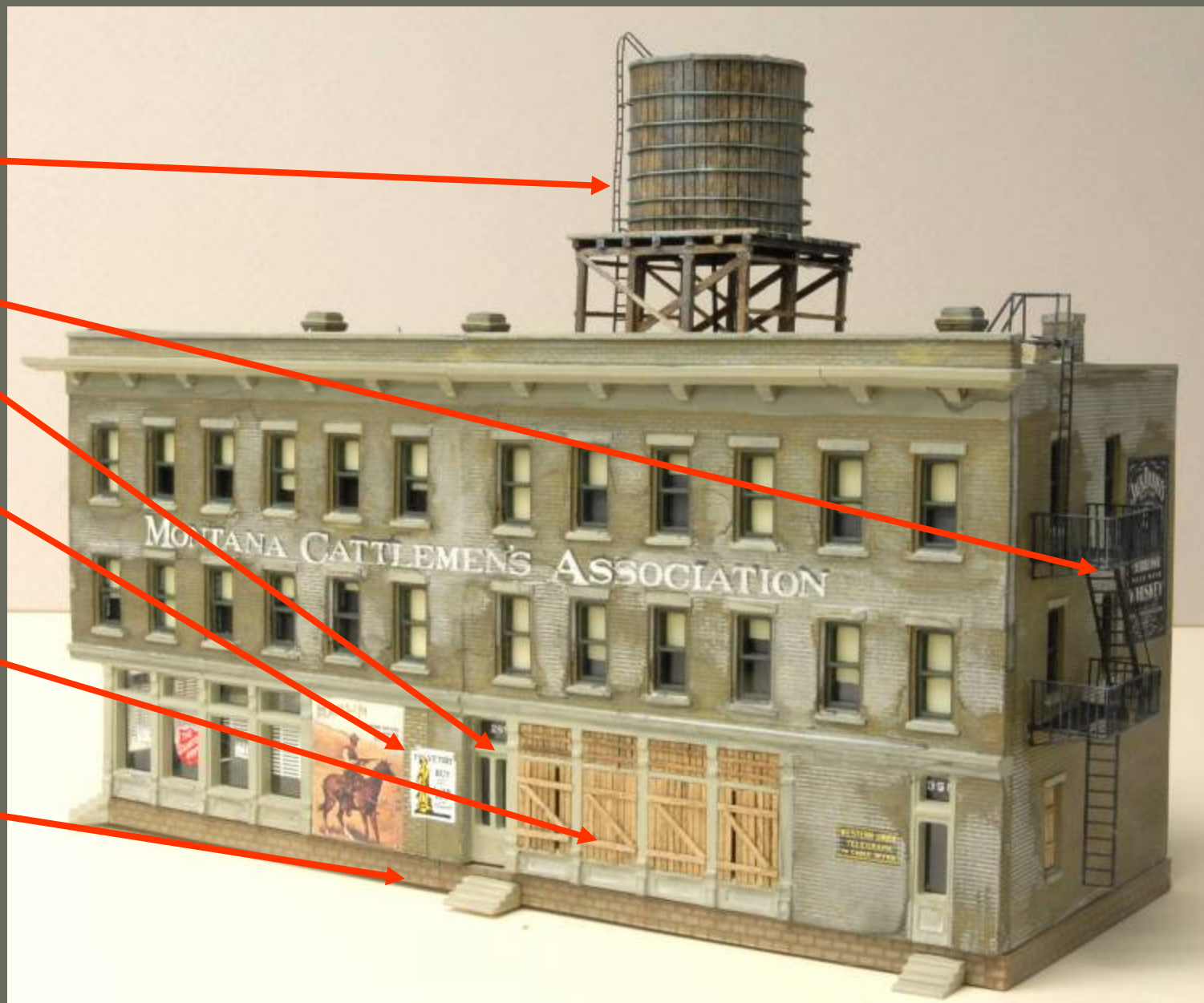
Fire escape

New doorway

Blocked
doorway

Boarded
windows

Foundation
and steps



ROOF DETAILS

Chimneys and vents (since this structure would not be visible from the rear, I elected use sheet styrene for the back)





7

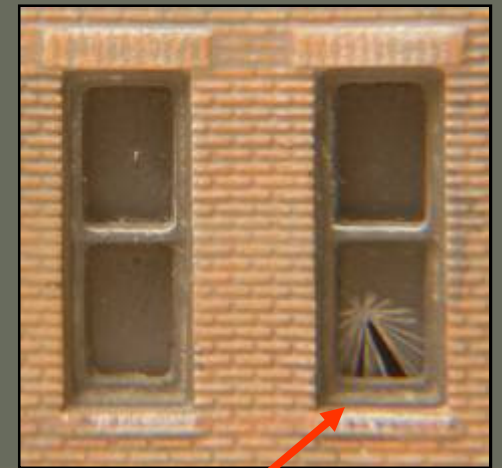
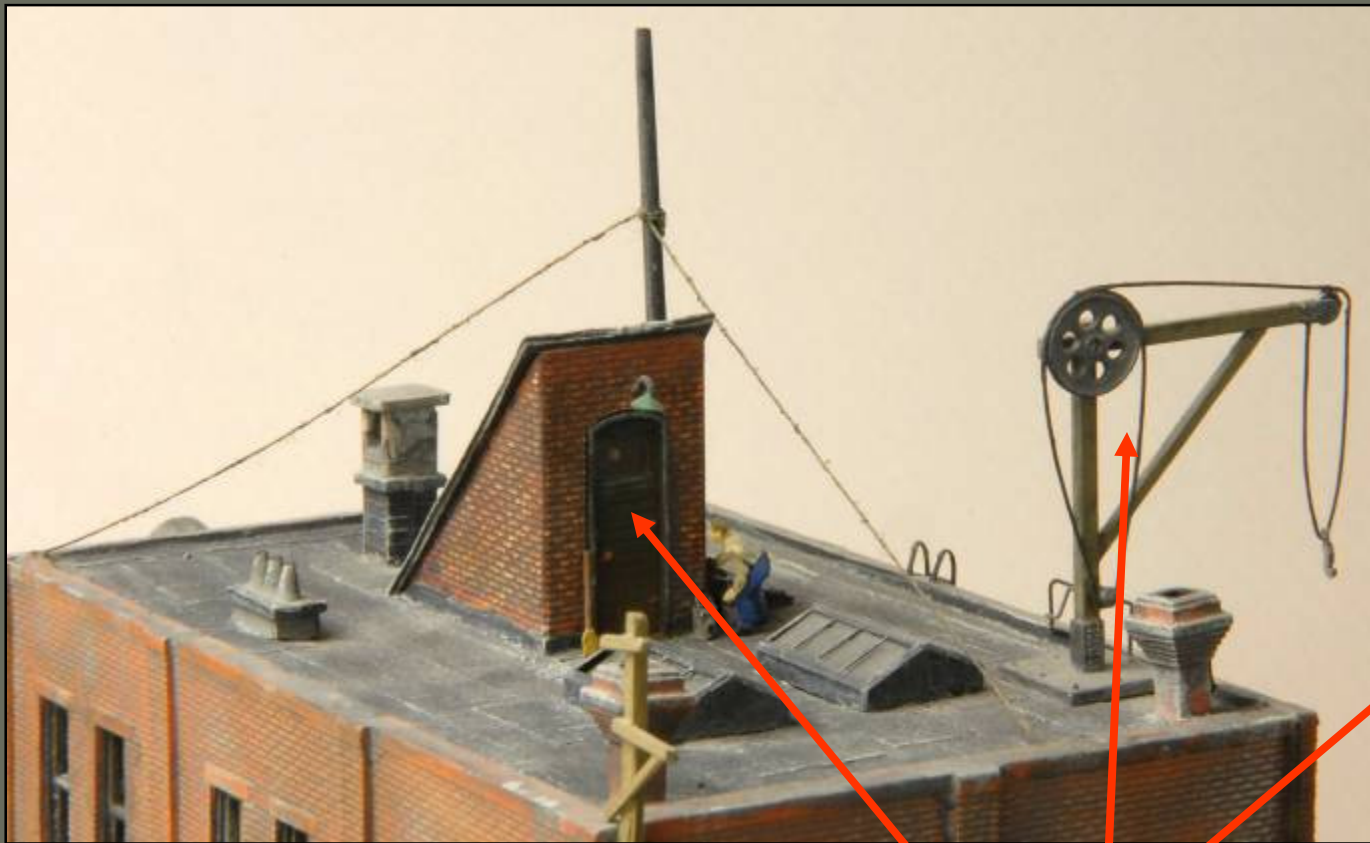
More Extensive Kit-bashing



GRIPP'S LUGGAGE

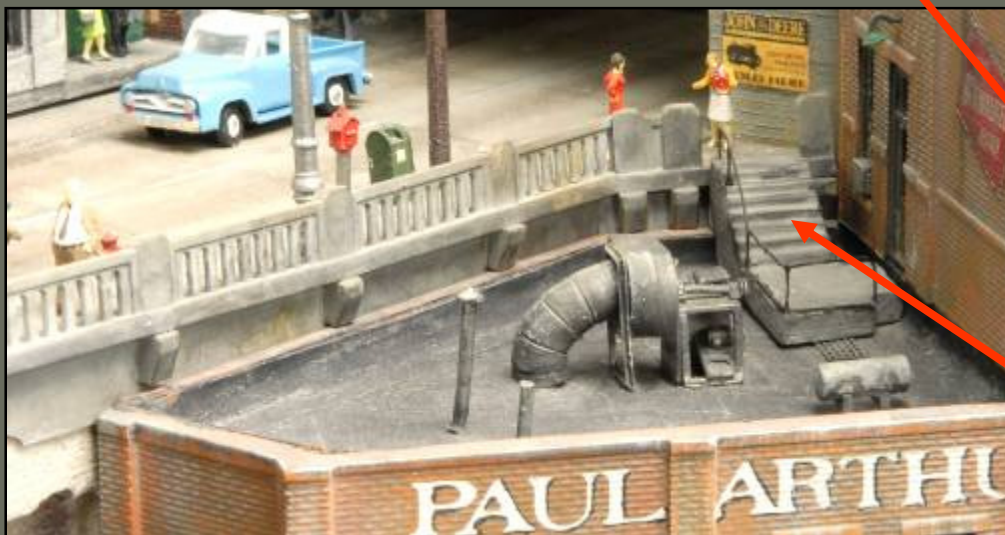
Because of the complexity of the kit-bash, photocopy the kit sides so the details can be worked out in advance using paper copies.





Added Details

- *Broken window pane*
- *Roof stairway access*
- *Roof crane*
- *Upper level street access*





I added an extensive scratch-built icing platform and cut in a special door for the icing conveyor.



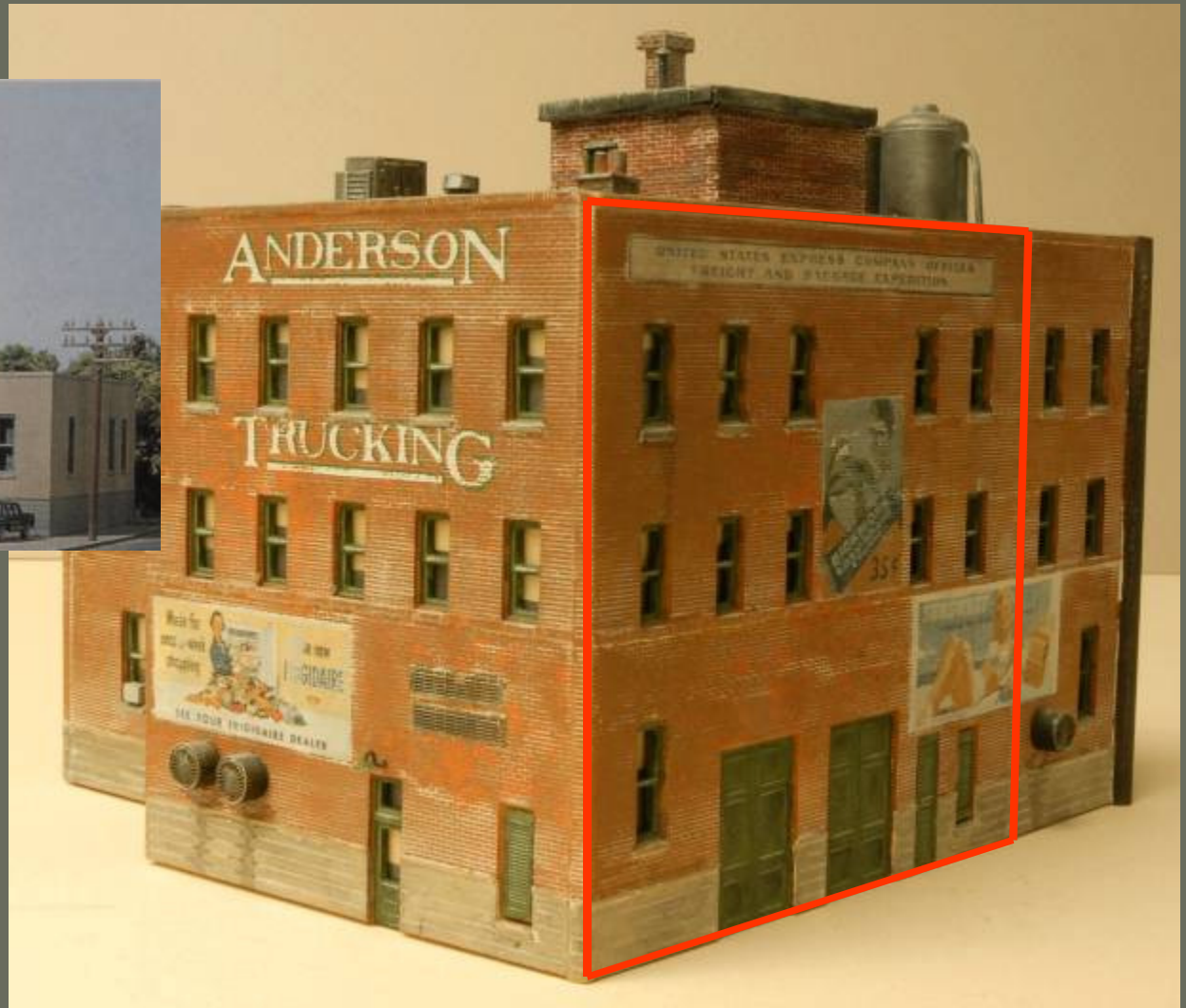
8

More Kit-bashing



GOODNIGHT MATTRESS CO.

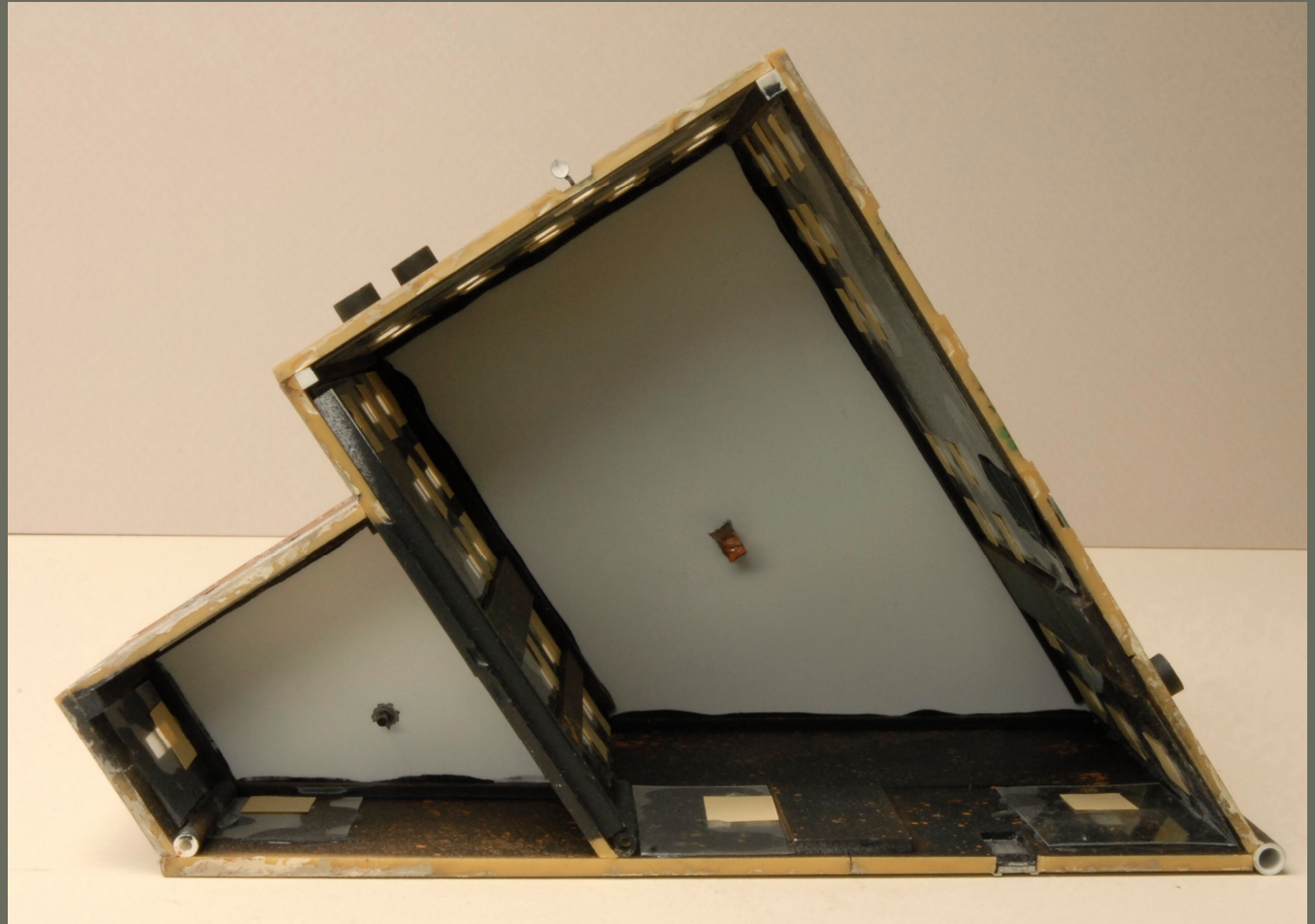
As before, it helps to photocopy the kit pieces in order to plan the kit-bash effectively.



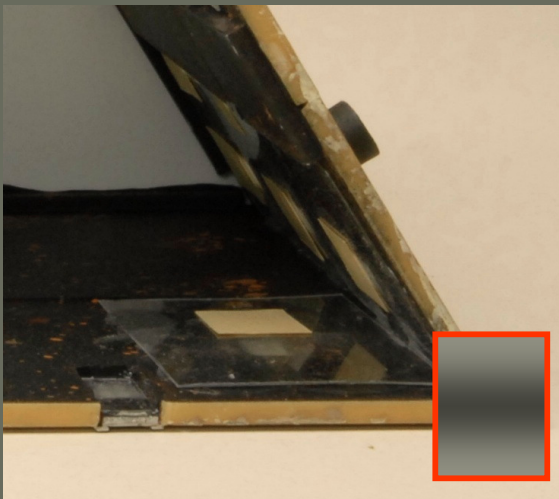
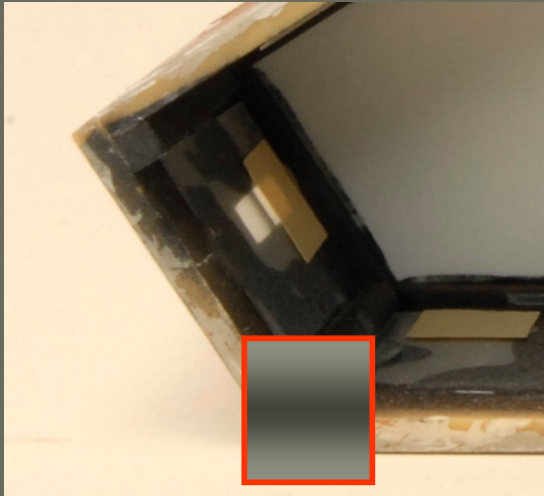
Dan Lewis, MMR

Changing the Footprint

When changing the footprint to an angled shape, the angled corners, which are no longer square, become challenges.

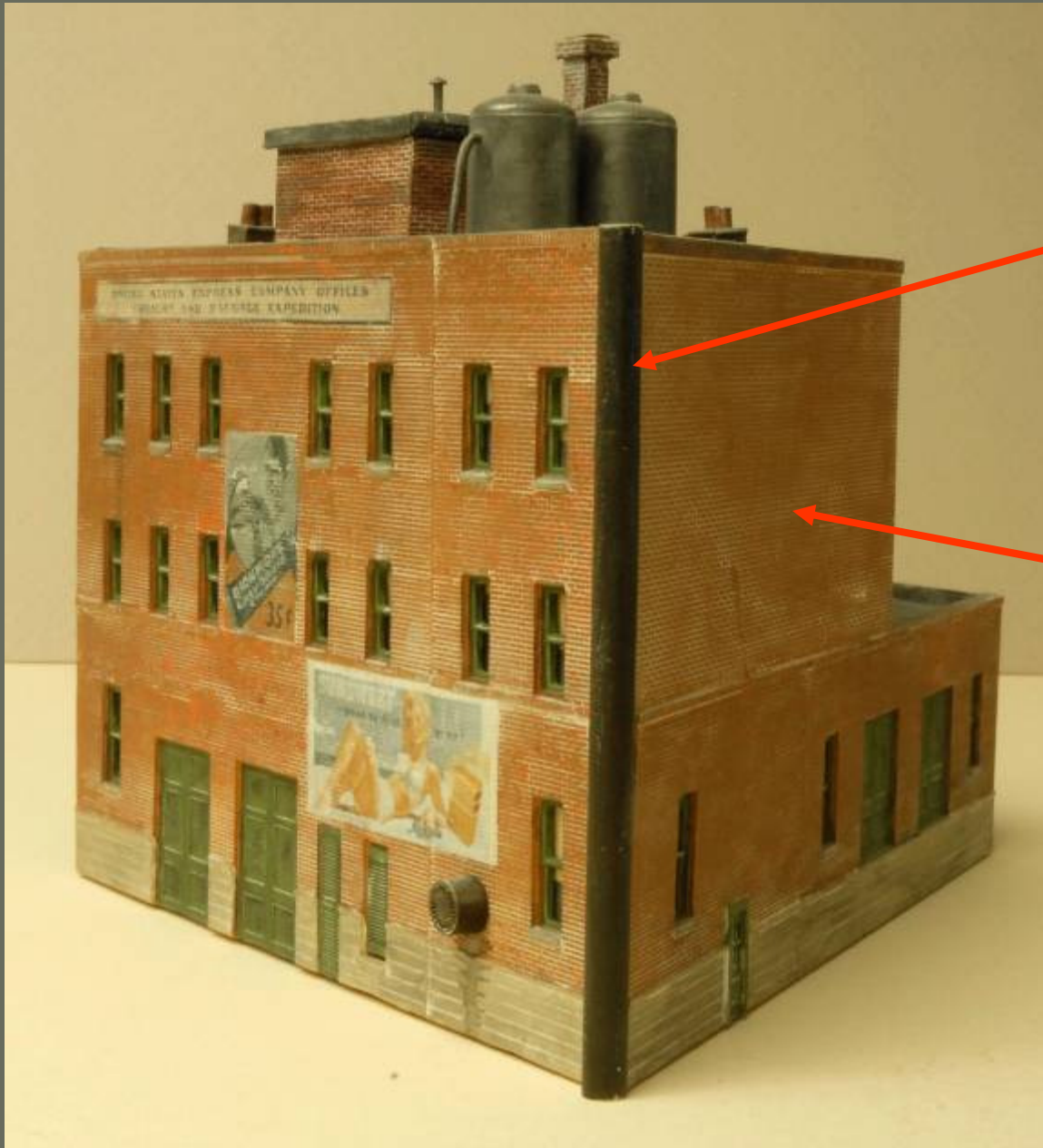


Tips for those Oblique Angles



Sand the edge to a bevel instead of trying to cut through the thick styrene:

- *Use coarse sandpaper on a hard, flat surface for the major sanding.*
- *Sand in a circular or Figure 8 design to avoid unevenness.*
- *Use finer sandpaper for final smoothness.*
- *Piping (styrene tubing) can be used on the inside for additional bracing or on the outside of oblique angles to form the leading edge.*



Piping (styrene tubing) for the oblique angle edge

Brick sheet stock for large brick areas.

Not all wall seams need to be hidden; walls seams are not uncommon in masonry as expansion joints.



ROOFING DETAILS

Dry-brushing highlights the details!

Tarpaper roofing →

Elevator housing →

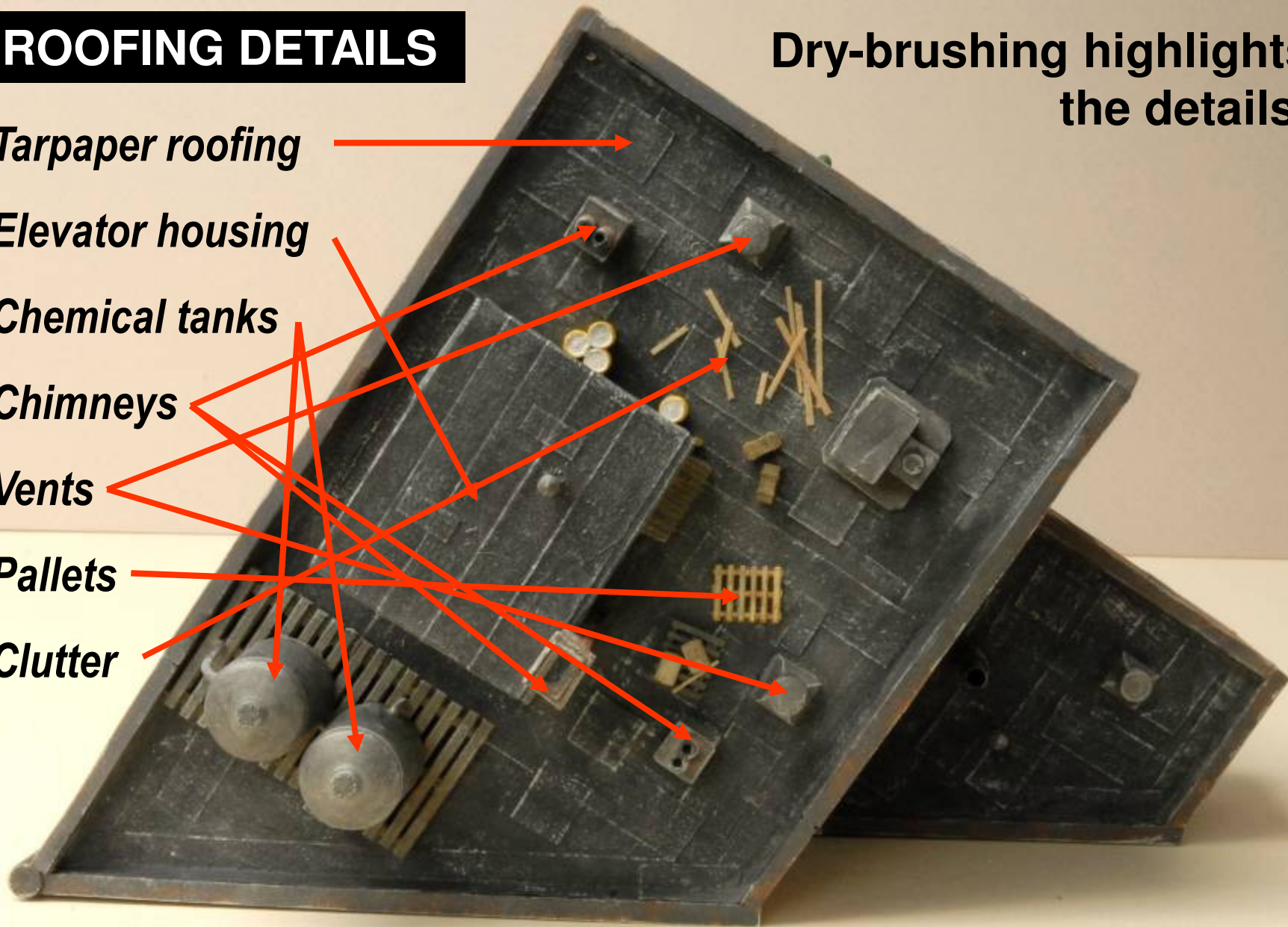
Chemical tanks →

Chimneys →

Vents →

Pallets →

Clutter →

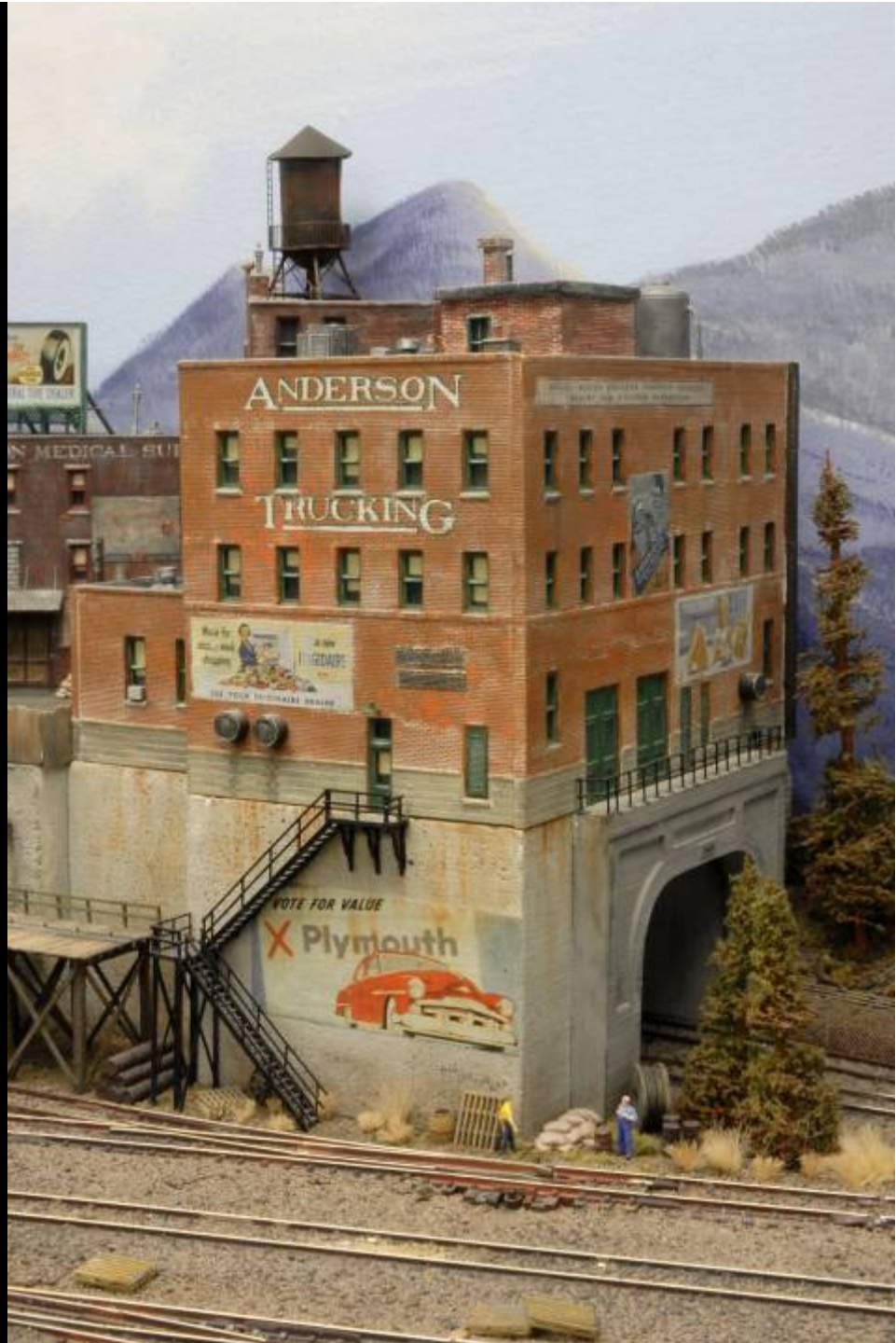
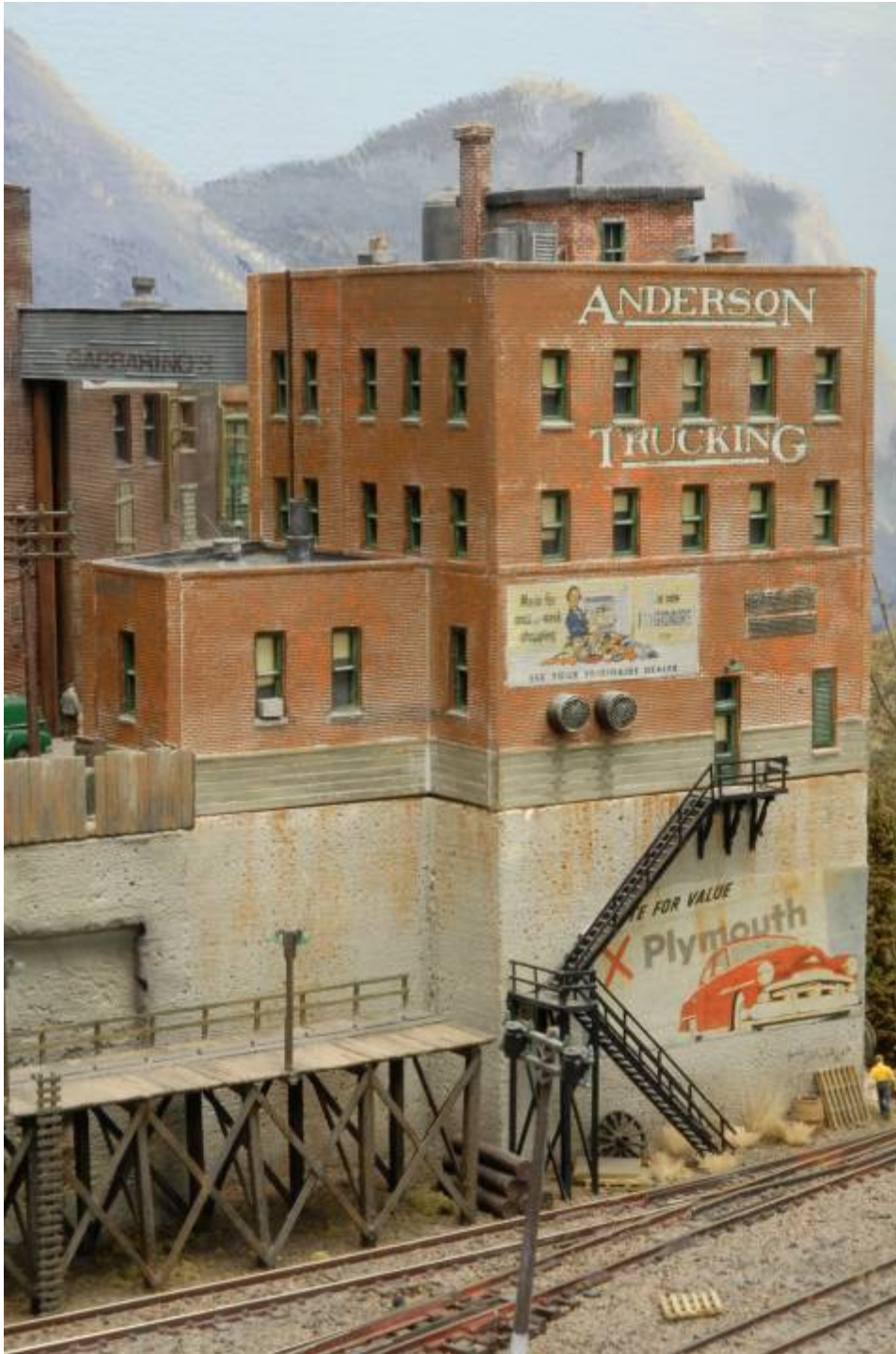


Adding a large foundation structure



Large foundation structures can be added by casting them in plaster using balsa wood molds.

Here, the foundation structure also features a tunnel.



9

Scrapbox Stuff

This relief structure was created from left over pieces from other DPM kits.



Use a small flame to melt the ends of fiber optics into simulated light bulbs.



Thread multiple fiber optics to a common light source.





Bricked in windows
and watersheds add
interest

Vents are found
on the sides of
buildings, along
with lots of
signage.



More Scrapbox Stuff

This structure, also, was created from leftover DPM parts with added details



**“DPM City”, featuring five of the super-detailed
DPM kits we’ve discussed
(Month of July, 2009 NMRA Calendar)**

