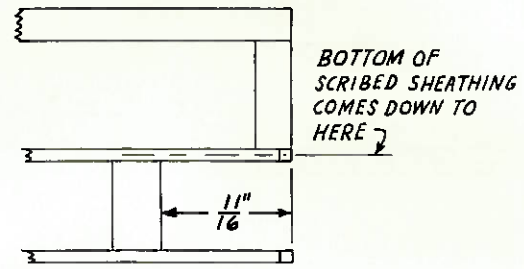
# ATLANTIC COAST LINE PHOSPHATE HOPPER CAR

HO GAUGE KIT

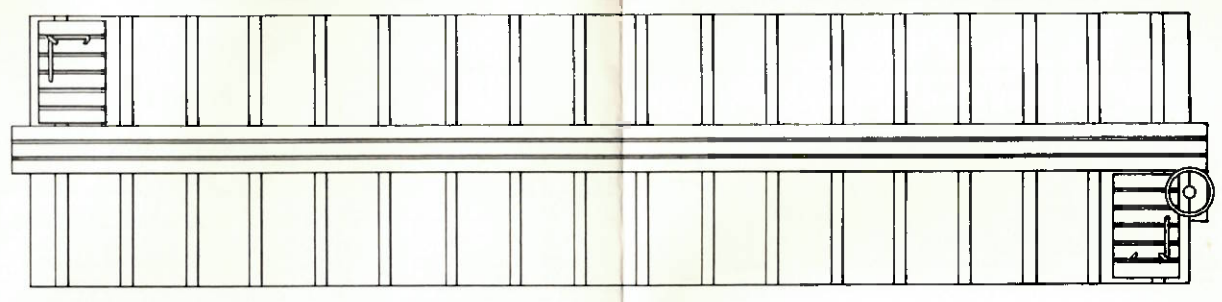
NORTHEASTERN SCALE MODELS, INC.
METHUEN, MASS. 01844

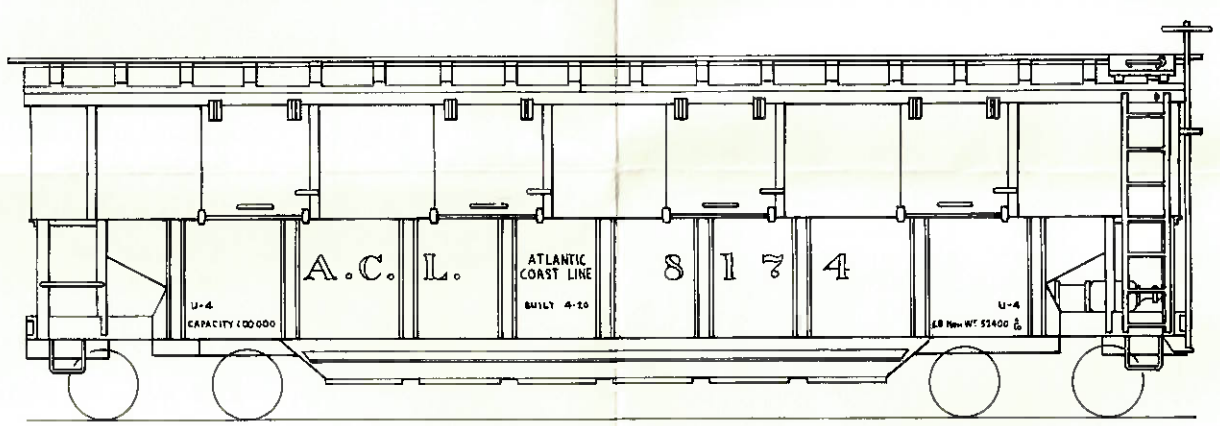


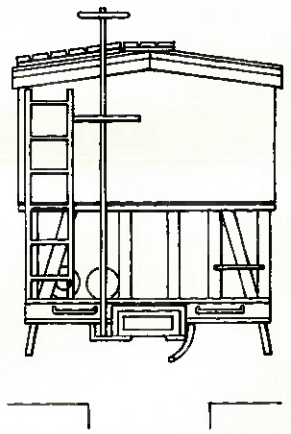


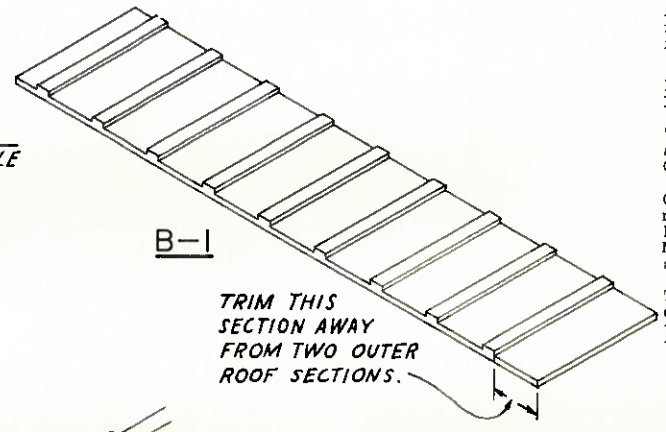


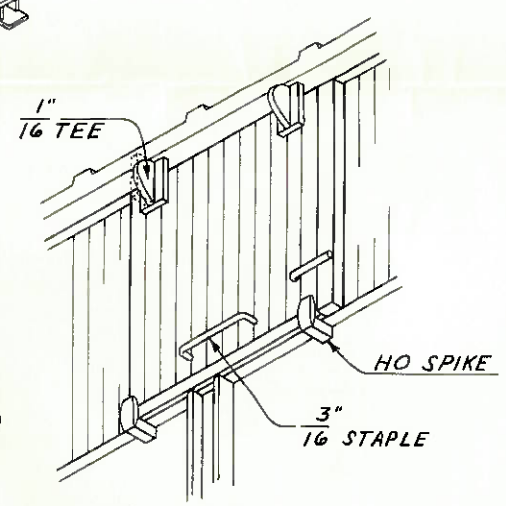









DOOR DETAIL.

Begin construction by making up the basic framework, (A-1). Drill the 1/16" holes for the brake cylinder and reservoir before cementing the parts together.

Install the brake cylinder and reservoir followed by the 1/16" sq. end bracing, (A-2).

Trim the side panels to match the template, (A-3), sand to a smooth finish and cement the 3/32" channels in place. Cement to the car body framework, (A-4).

Cement the end sheathing in place, (A-5), and trim top to match roof angle. Cement side sheathing in place, (A-6). Note that the side sheathing overlaps the end sheathing. Make sure that the joints between the sections of side sheathing come underneath the doors.

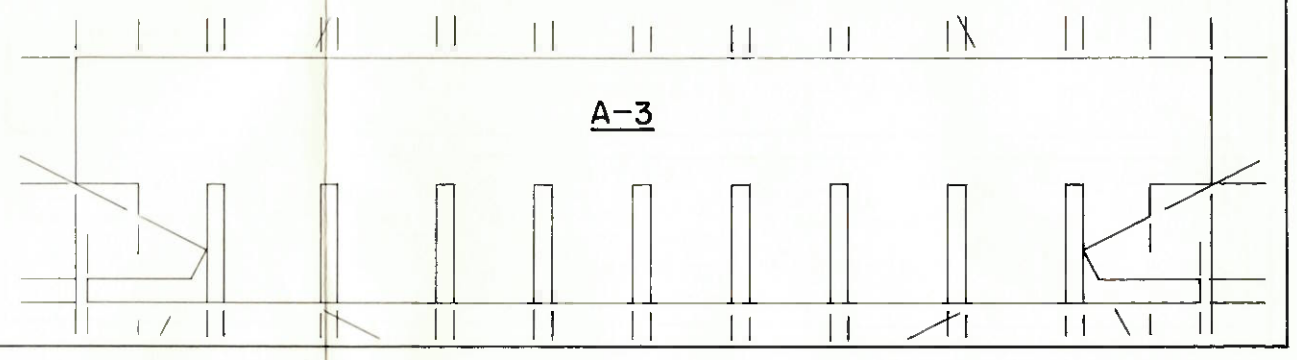
The side, end and door sheathing material is accurately cut to the proper length (along the grain). Before cutting to size, be sure to check with the drawing to avoid mixing them up.

Two of the four outer roof sections are to be trimmed as per drawing, (B-1). Cement outer roof sections to car body, making sure that both sides have equal overhang. Do not trim the ends until the fascia strips have been installed, (B-2). Install doors, side fascia strips and door stops, (B-3).

Trim ends of hopper bottom, (C-1), to proper angle and cement to car bottom. Cement underbody parts in place. Drill center sills,(C-2) and bolsters for the 1/32" wire before installing.

Install the roof walks, hardware parts and miscellaneous trim parts. Paint the entire car box car red and apply decals. We recommend Walthers "Solvaset" and "DDV" to make the decal film lie down and disappear.

Note:
Because of the many types in use, couplers are not supplied in this kit.




STRIPWOOD COLOR CODE

1/32" x 3/64".....Blue
3/64" x 3/64".....Green

1/32" x 1/16".....Red
1/16" x 1/16".....Black

These are ISOMETRIC drawings. This means that measurements taken along vertical or 30° lines are accurate.

# STRUCTURAL SHAPES

| | 1/32 | 1 MM .040 | 3/64 | 1.5 MM 1/16 | 2 MM 5/64 | 3/32 | 3 MM 1/8 | 4 MM 5/32 | 3/16 | 5 MM | 1/4 | 8 MM 5/16 | 3/8 | 10 MM | 1/2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANGLES | .12 | .12 | .12 | .12 | .15 | .15 | .15 | .15 | .15 | .15 | .20 | .25 | .30 | .35 | |
| TEES | .12 | .12 | .12 | .12 | .15 | .15 | .15 | .15 | .15 | .15 | .20 | .25 | .30 | .35 | |
| ZEES | | | .12 | .12 | | .15 | | | | | | | | | |
| HAT SECTION | | | | .12 | | .15 | .15 | .15 | | | | | | | |
| CHANNELS | | | | | .15 | .15 | .15 | .15 | .15 | .15 | .20 | .25 | .30 | .35 | .40 |
| COLUMNS (Wide flange beams) | | | | .15 | .15 | .15 | .15 | .20 | .20 | .20 | .25 | .30 | .35 | .40 | .50 |
| I BEAMS | | | | .15 | .15 | .15 | .15 | .20 | .20 | .20 | .25 | .30 | .35 | .40 | .50 |
| QUARTER ROUND | | | .12 | .12 | | .15 | .15 | | | | | | | | |
| DOOR TRACK | | | | | | .15 | .15 | | .15 | | | | | | |
| FLANGES | | | | | | .12 | .12 | | .15 | | .20 | | .25 | | |

# SIDING MATERIALS

**CLAPBOARD SIDING**

| LAP SPACING | 1/32 | 3/64 | 1/16 | 3/32 | 1/8 | 3/16 | 1/4 | 3/8 | 1/2 |
|---|---|---|---|---|---|---|---|---|---|
| SHEET SIZE 3½" x 24" | 1/16" thick 95¢ per sheet | | | | 3/32" thick 95¢ per sheet | | | | |

**BOARD & BATTEN (CAPPED) SIDING**

| CAP SPACING | 3/32 | 1/8 | 3/16 | 1/4 | 3/8 | 1/2 | 3/4 |
|---|---|---|---|---|---|---|---|
| SHEET SIZE 3½" x 24" | 1/16" thick 95¢ per sheet | | | | | | |

**SCRIBED SHEATHING**

| SCRIBE SPACING | .025 | 1/32 | 1 MM .040 | 3/64 | 1/16 | 3/32 | 1/8 | 3/16 | 1/4 | 3/8 | 1/2 | RANDOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SHEET SIZE 3½" x 24" | 1/32" thick 85¢ per sheet; 1/16" " 95¢ " " | | | | | | | | | | | |

**CORRUGATED SIDING**

| CORR. SPACING | .040 | 1/16 | 3/32 | 1/8 |
|---|---|---|---|---|
| SHEET SIZE 3½" x 24" | .040 thick 85¢ per sheet | 3/64" thick | | |

**CONCRETE WITH FORM IMPRINT**

| FORM BOARD WIDTH | 1/16 | 1/8 | 3/16 |
|---|---|---|---|
| SHEET SIZE 3½" x 24" | .040 thick 85¢ per sheet | | |

**BRICK** red, yellow
**CONCRETE BLOCK**
**CINDER BLOCK**

| HO | S | O |
|---|---|---|
| 75¢ per sheet | | |
| Sheet size 3½" x 12" | | |

**FLAGSTONE**
Silk screen printed on 1/16" Basswood

TERRA COTTA
GRAY GREEN
THREE COLOR
Sheet size 3½" x 12"

| HO-S | S-O |
|---|---|
| 75¢ per sheet | |
| $1.20 " " | |

**NORTHEASTERN SCALE MODELS**

**STRIP AND SHEET WOOD**
**STRUCTURAL SHAPES**
**SIDING MATERIALS**
**CAR PARTS**

The complete NORTHEASTERN line of wood model building materials is listed and illustrated full size on this page.

Quality and precision are the same as the parts in the AMBROID kits.

See your hobby dealer for NORTHEASTERN products. If he can't supply your needs, order direct giving us his name and address.


## NORTHEASTERN Scale Models, Inc.
BOX 425 METHUEN, MASS. 01844


# WOOD STRIPS AND SHEETS

| MM. | .75 | 1.0 | | 1.5 | 2.0 | | 3.0 | 4.0 | | 5.0 | 6.0 | 8.0 | | 10.0 | 12.5 | | 25.0 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INCHES | 1/32 | .040 | 3/64 | 1/16 | 5/64 | 3/32 | 1/8 | 5/32 | 3/16 | .200 | 1/4 | 5/16 | 3/8 | .400 | 1/2 | 3/4 | 1 | 2 | 3 | 4 | 6 |
| .012 | .03 | .03 | .03 | .03 | .03 | .04 | .04 | | | | | | | | | | | | | | |
| .020 | .03 | .03 | .03 | .03 | .03 | .04 | .04 | .04 | | | | | | | | | | | | | |
| .75 1/32 | .03 | .03 | .03 | .03 | .03 | .04 | .04 | .05 | .05 | .05 | .07 | .08 | .10 | .10 | .12 | .18 | .20 | .30 | .45 | .60 | |
| 1.0 .040 | | .03 | .03 | .03 | .03 | .04 | .04 | .05 | .05 | .06 | .07 | .08 | .10 | .10 | .12 | .18 | .20 | .30 | .45 | .60 | |
| 3/64 | | | .03 | .03 | .03 | .04 | .04 | .05 | .06 | .07 | .07 | .10 | .12 | .12 | .15 | .20 | .25 | .30 | .45 | .60 | |
| 1.5 1/16 | | | | .03 | .03 | .04 | .04 | .05 | .06 | .07 | .08 | .10 | .12 | .12 | .15 | .20 | .25 | .30 | .45 | .60 | |
| 2. 5/64 | | | | | .04 | .05 | .05 | .06 | .07 | .08 | .08 | .10 | .12 | .12 | .15 | .22 | .27 | .35 | .50 | .65 | |
| 3/32 | | | | | | .05 | .05 | .06 | .08 | .08 | .10 | .10 | .13 | .13 | .15 | .22 | .27 | .35 | .50 | .65 | |
| 3. 1/8 | | | | | | | .05 | .06 | .08 | .10 | .10 | .12 | .13 | .15 | .17 | .23 | .30 | .40 | .55 | .75 | |
| 4. 5/32 | | | | | | | | .07 | .08 | .10 | .12 | .13 | .15 | .17 | .20 | .25 | .30 | .40 | .60 | .80 | |
| 3/16 | | | | | | | | | .08 | .10 | .12 | .15 | .17 | .17 | .20 | .25 | .30 | .40 | .60 | .80 | |
| 5. .200 | | | | | | | | | | .10 | .12 | .15 | .17 | .17 | .20 | .25 | .30 | .40 | .60 | .80 | 1.20 |
| 6. 1/4 | | | | | | | | | | | .15 | .17 | .20 | .20 | .25 | .30 | .35 | .45 | .65 | .85 | 1.30 |
| 8 5/16 | | | | | | | | | | | | .20 | .25 | .25 | .30 | .35 | .40 | .55 | .75 | .95 | 1.40 |
| 3/8 | | | | | | | | | | | | | .25 | .25 | .30 | .35 | .40 | .60 | .85 | 1.05 | 1.50 |
| 10. .400 | | | | | | | | | | | | | | .25 | .30 | .35 | .40 | .60 | .85 | 1.05 | 1.50 |
| 12.5 1/2 | | | | | | | | | | | | | | | .35 | .45 | .55 | .70 | .95 | 1.30 | 1.70 |
| 3/4 | | | | | | | | | | | | | | | .50 | .60 | .85 | 1.10 | 1.60 | 2.10 | |
| 25 1 | | | | | | | | | | | | | | | | | .65 | .95 | 1.40 | 1.90 | 2.60 |
| 50 2 | | | | | | | | | | | | | | | | | | 1.50 | 2.10 | 2.60 | 3.95 |

All items in this catalog are normally supplied in Basswood. We can also supply many sizes in Mahogany and Black Walnut at 50% over listed prices. See shaded sections for availability.

BASSWOOD

BASSWOOD
BLACK WALNUT
MAHOGANY

Unless Otherwise Noted All Forms Listed On This Page Are 24" Long

| ROOFS and FLOORS | | TT | HO | S | O |
|---|---|---|---|---|---|
| | OVER-HANGING | .50 | .65 | .85 | 1.00 |
| | RECESSED | .50 | .65 | .85 | 1.00 |
| | CABOOSE | .50 | .65 | .85 | 1.00 |
| | REFRIGERATOR | .50 | .75 | .95* | 1.10* |
| | HOLLOW CABOOSE | | .55 | | |
| | INNER ROOF | .35 | .55 | .70 | .85 |
| | FREIGHT FLOOR | .20 | .30 | .40 | .50 |
| | END BLOCK | .25 | .40 | .50 | .60 |
| | CLERESTORY PASSENGER | .75 | .85 | .90 (16" LENGTH) | 1.50 (20" LENGTH) |
| | PASS. FLOOR | .20 | .30 | .35 | .45 |
| | STREAMLINE ROOF | | .75 | | |
| | STREAMLINE FLOOR | | .80 | | |

| MISCELLANEOUS CAR PARTS | | TT | HO | S | O |
|---|---|---|---|---|---|
| | COACH SIDING WITH INTEGRAL BELT RAIL | | .35 | .45 | .55 |
| | CENTER SILLS SOLID FREIGHT | .15 | .20 | .25 | .35 |
| | GROOVED | | .25 | .30 | .40 |
| | DEEP FISH BELLY | .15 | .25 | .30 | .45 |
| | PASSENGER | | .35 | | |
| | ROOF WALK | .10 | .15 | .20 | .25 |
| | LATERAL ROOF WALKS | .15 | .15 | .20 | .25 |
| | | PER DOZ. | | | |

| | TT | HO | S | O |
|---|---|---|---|---|
| BOLSTERS | .10 | .15 | .15 | .20 |
| | PER PAIR | | | |
| WINDOW MOLDING | | .15 | | |
| CORNER POST | | .12 | | |
| BELT RAIL | | .12 | | |
| THRESHOLD | | .15 | | |
| PASS. CAR BOLSTERS | | .15 pr. | | |

PREFORMED GRABIRONS

HO GAUGE 7/32" LONG
S GAUGE 9/32" LONG
O GAUGE 3/8" LONG
PRICE $1.00 PER GROSS

EYE PINS

.018 BRASS WIRE
3/4" LONG
EYE TAKES 1/32" WIRE
PRICE $1.00 PER GROSS