

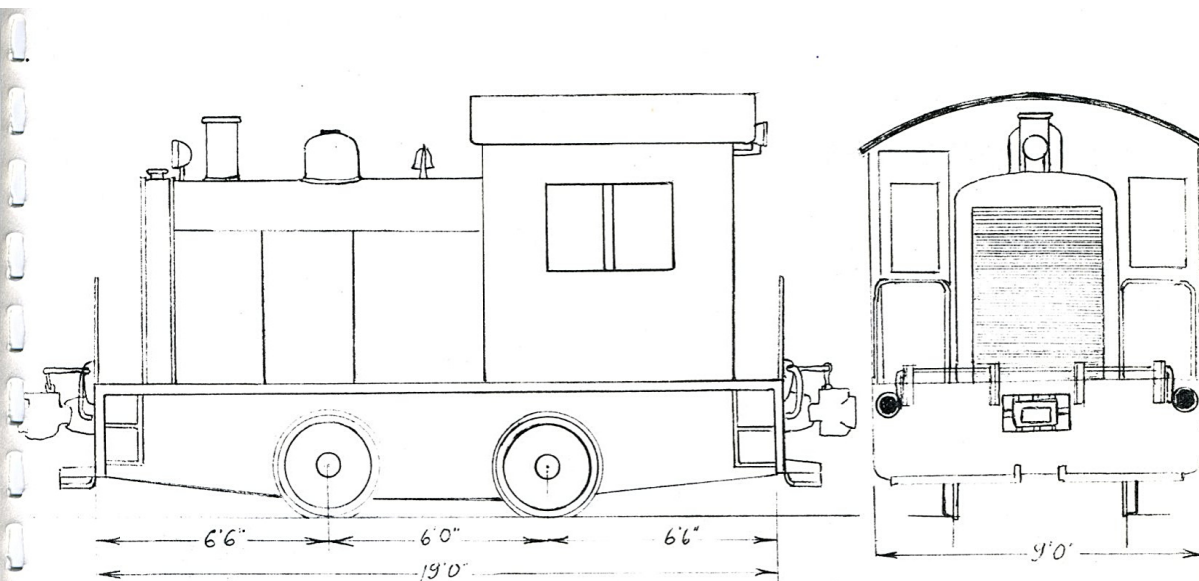
PROTOTYPE PLANS

PLAN SECTION.

The following plans, with the exception of the 4 wheel switcher were furnished by the Santa Fe Railroad. They are reprinted from a plan book no longer available, and represent locomotives and cars as they looked about 1950.

Since all of the Santa Fe plans are to a scale of 1/8" to the foot, a model built in 1 1/2" scale would be 12 times larger. Thus, 1" on the plan equals 1 foot in 1 1/2" scale. For easy conversion you may have the plans photostated to a larger scale, or as we do, take a 35 mm slide of the plan and project it to full size and trace on a piece of paper. To get a good slide you must be able to focus to a foot or less and a single lens reflex type camera is almost a necessity. If you do not own such a camera, perhaps you have a friend that has one. For best results, make the plan fill the entire slide area. One problem exists in this method, sometimes due to imperfections in the lenses your projected image will not be square, therefore you will need to square it up afterwards, particularly at the edges.

We acknowledge with thanks, the courtesy of the Atchison, Topeka and Santa Fe Railway Company in granting us permission to use their plans featured in our catalog on pages U-3 through U-11.



Whitcomb 30-ton, 4 wheel diesel switcher.

Santa Fe Color Chart

DIESEL LOCOMOTIVES

(Passenger)

Body, red and stainless steel.

Striping, red, yellow & black.

Trucks, aluminum.

(Freight)

Body, blue and yellow.

Striping, yellow.

Trucks, black.

(Switchers)

Body, black

Running gear & wheels black

REFRIGERATOR CARS

Underframe, black.

Trucks, black.

Sides, yellow.

Ends, sill steps, black.

Letters, numbers, black.

Roof & steps, black.

STOCK CARS

Underframe, mineral brown

Trucks, mineral brown.

Sides & ends, min. brown.

Letters numbers white

TANK CARS

Underframe, black.

Trucks, black.

Tank, Black

Bands around tank, gray.

CABOOSE CARS

Car, exterior, mineral brown

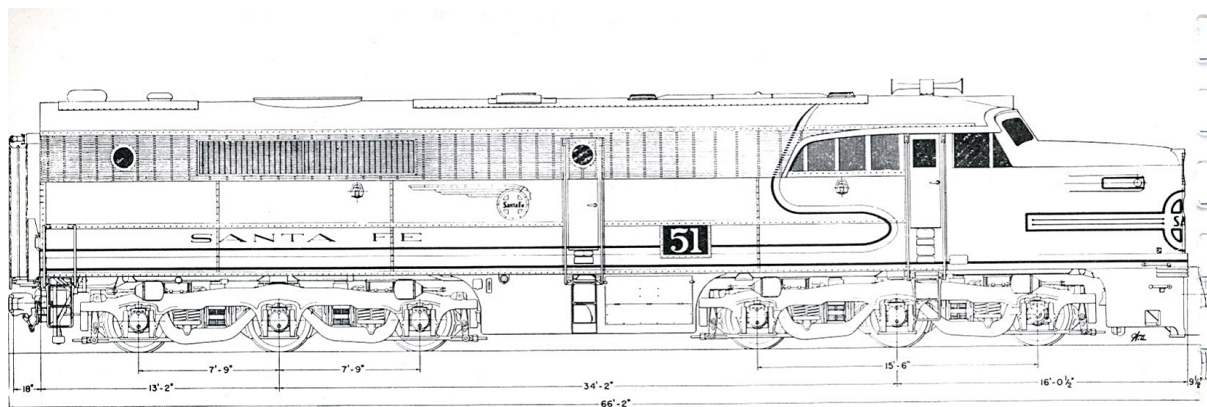
Car, interior, silver gray

Roof, black.

Underframe, black

Trucks, mineral brown

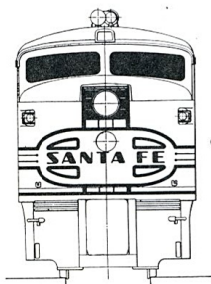
Handrails black (also wh



Alco Passenger Diesel Class 51

Road Numbers 51-78

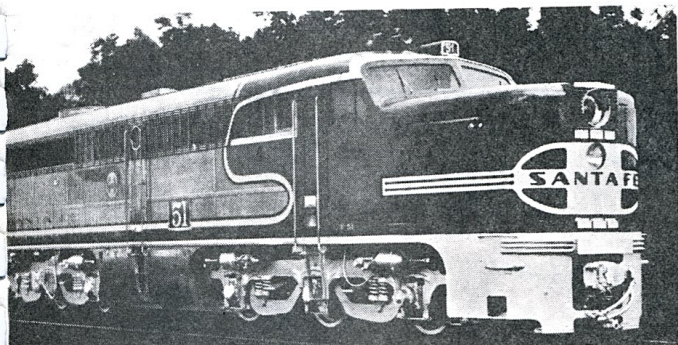
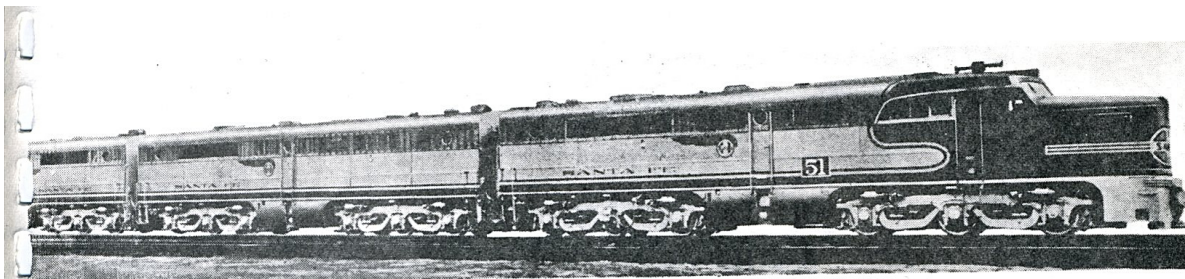
(Alco-built in 1946-48.)



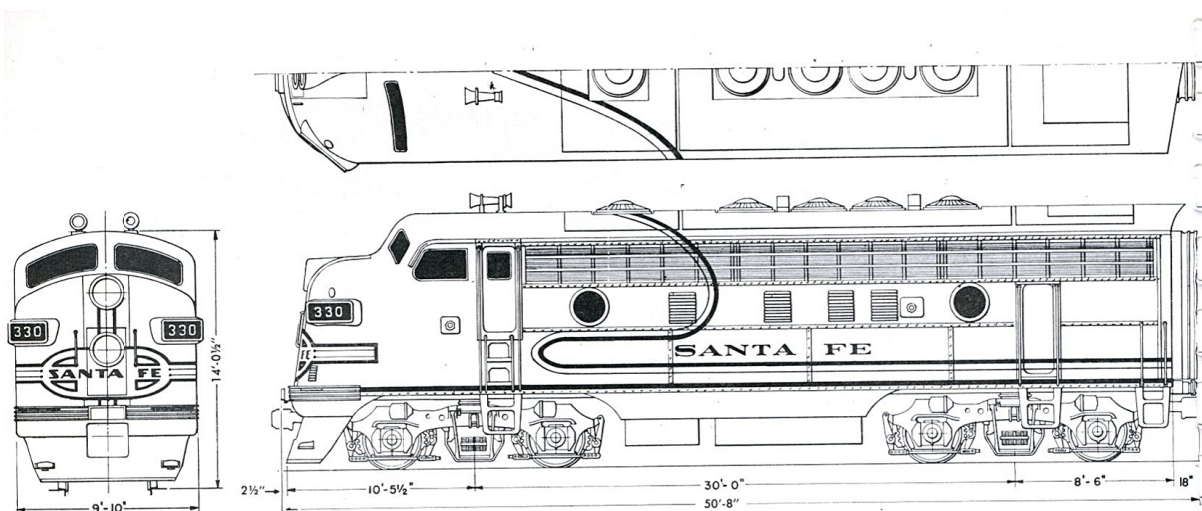
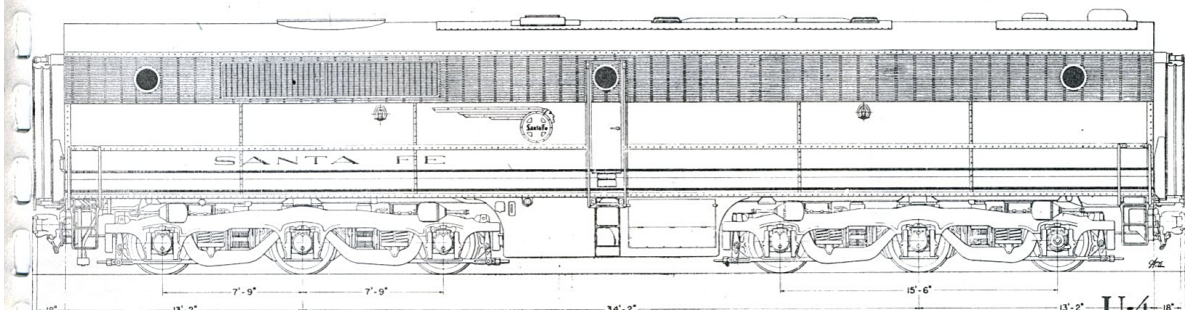
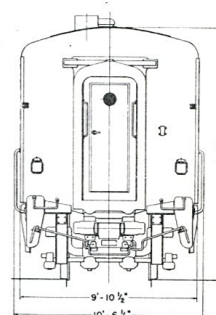
Notice that the nose of this Alco locomotive is vertical, an advantage to the modelbuilder, for this type is easier to model in sheet metal than a slope front.

Scale: 1/8" = 1'-0"

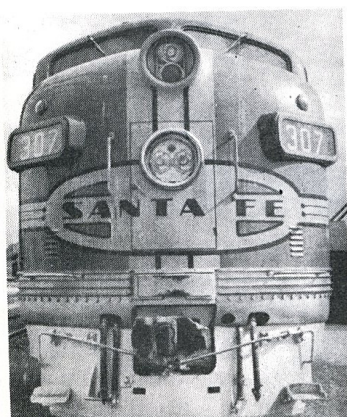




Building a diesel from scratch is easier if paper patterns are first made by cut-and-try methods to duplicate irregular curved surfaces, especially those around the cab and nose. When the paper pattern is perfect, it can then be duplicated in sheet brass, bent to shape and soldered in place. Many modelbuilders use automobile-carburetor copper filter wire to simulate the horizontal screen strip along the upper part of the locomotive.



Scale: $1/8'' = 1'-0''$



EMD Dual Service Diesel

Class 300

Road Numbers 300-314

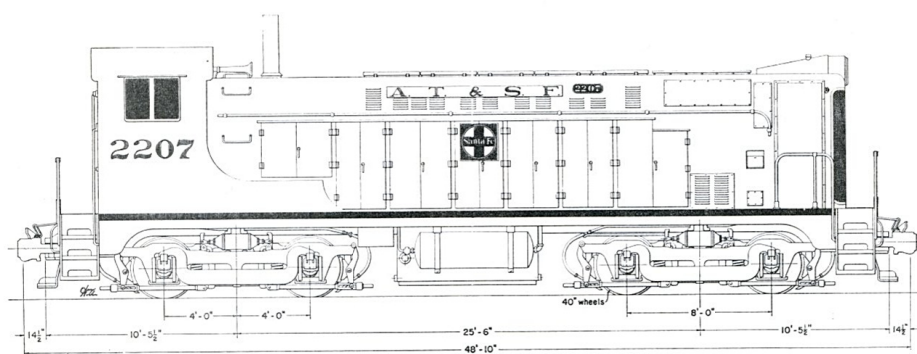
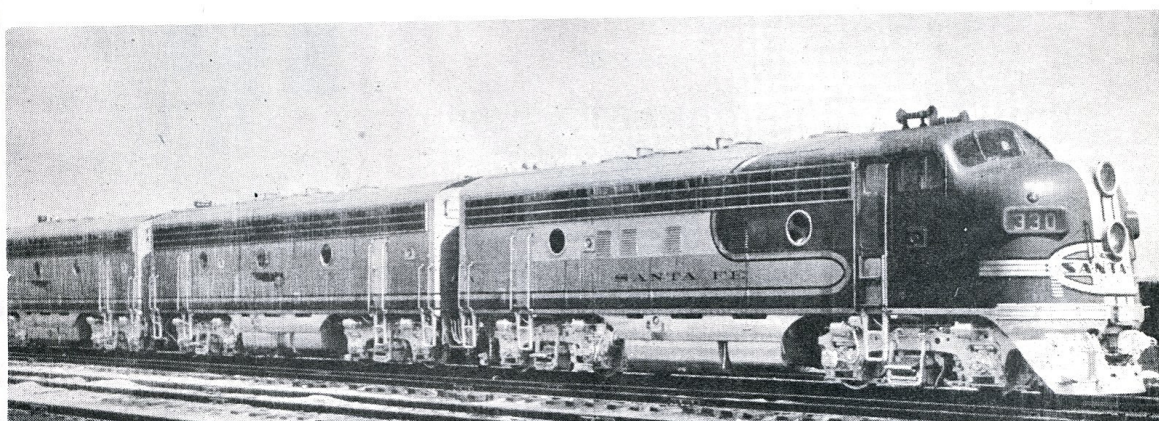
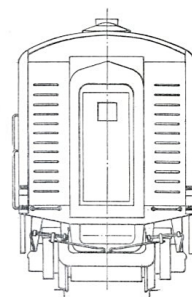
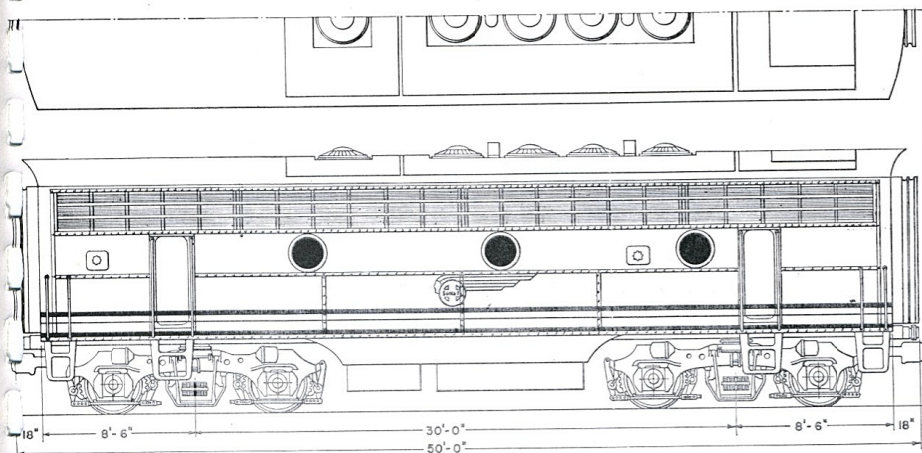
Class 325

Road Numbers 325-344

(EMD Built 1949-53)

These Electro-Motive F-7 engines are used for either passenger or freight as the demand warrants. The 300 class, geared to 100 miles per hour, is used exclusively in fast passenger service. The 325 class is geared to 85 miles per hour for fast freight or passenger service. All are equipped with steam generators and dynamic brakes. Locomotives of the 300 and 325 class are generally operated in units of three, a cab unit and two booster units.

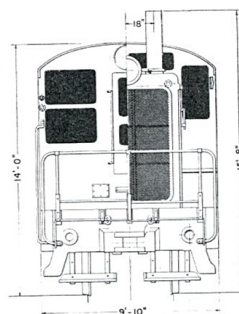
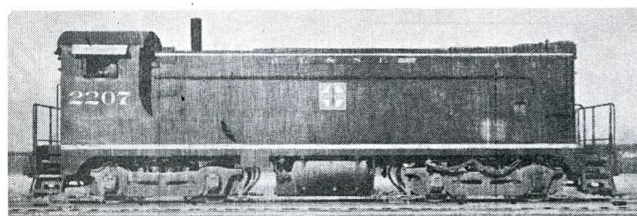


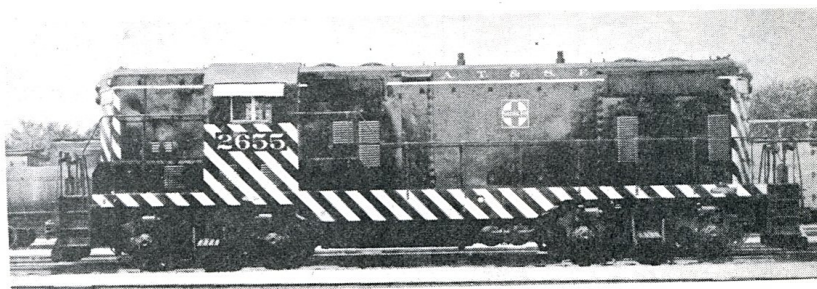
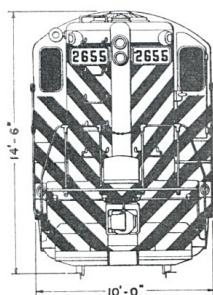


Diesel Switcher Class 2207

Road Numbers 2207-2259
(B. L. W. built in 1942-45.)

Scale: 1/8" = 1'-0"



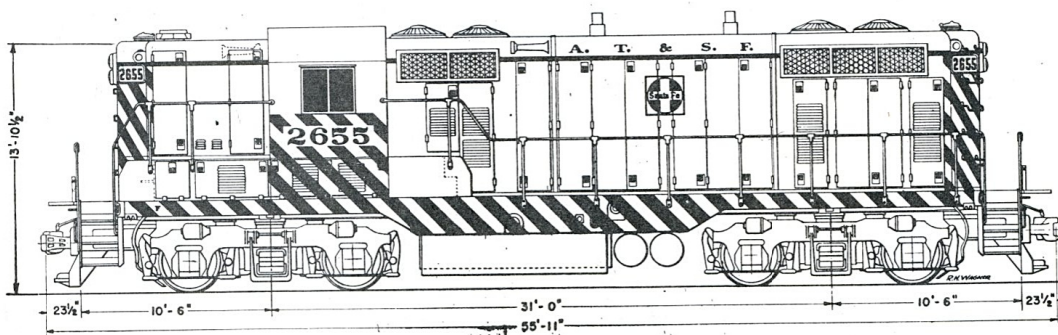


Diesel Road Switcher Class 2650

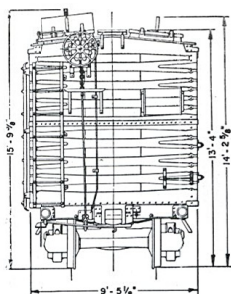
(E. M. D. Built 1950-53)

Road Numbers 2650-2848

These General Motors GP-7 engines (more commonly known as "Geeps") are the mainstay of Santa Fe's diesel road switcher fleet. More are used than any other type of road switcher. A few are equipped with steam generators for use in local passenger service. Geeps are used principally on the Coast and Gulf Lines in yard, local freight and through freight service.



T.T.O

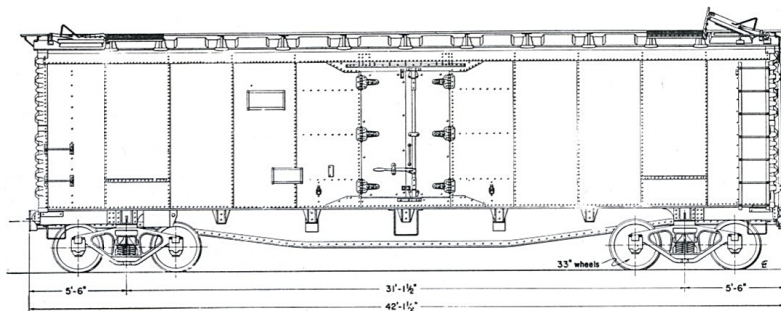


40 Foot Refrigerator

Class RR-40

Road Numbers 8100-8599
(Gives general repairs 1946 in home shops.)

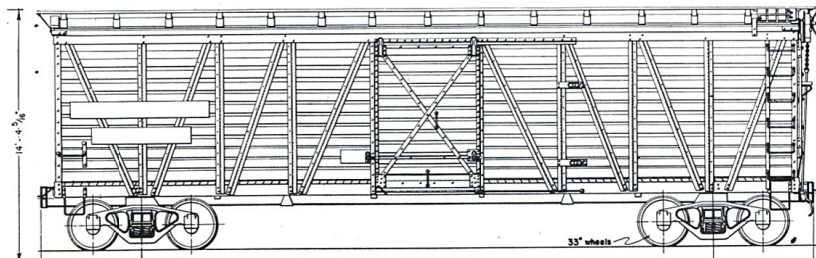
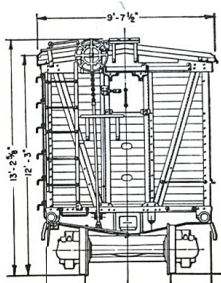
Scale: 1/8" = 1'-0"

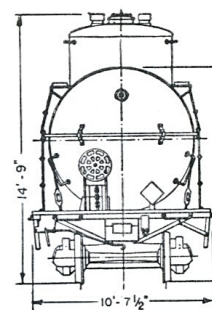
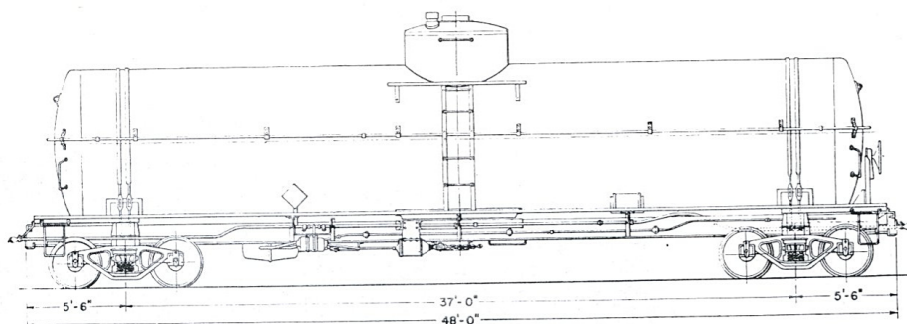


Stock Car

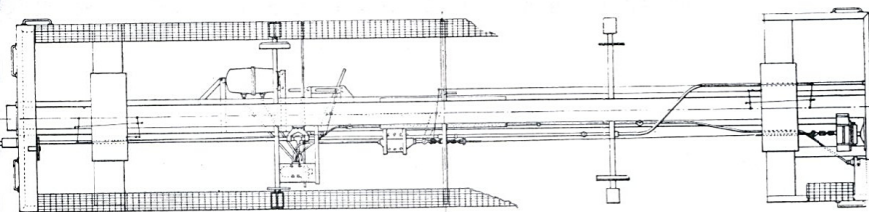
Class SK-U

Road Numbers 60502-60801
(Penn Car Co.-built in 1929-30.)



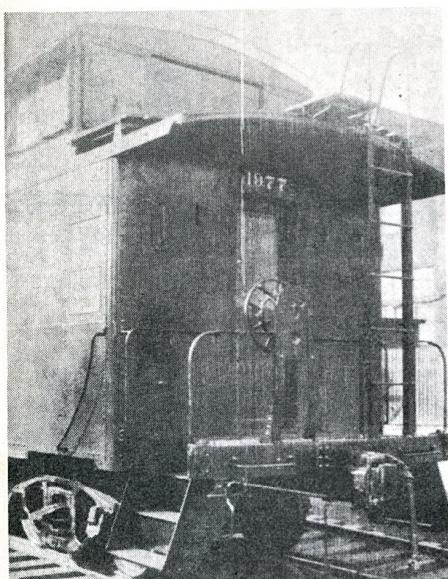


The walkway extends clear around the car. In the plan below, parts of it have been removed to show underframe detail. This series of cars uses non-skid walkways, a solid type on the ends and a grid type on the sides.

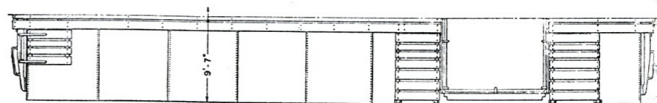


Tank Car

Class Tk-N Road Numbers 101100-101349
(GAT Corp. built in 1949)



Scale: 1/8" = 1'-0"



Caboose

Class Caboose
Road Numbers 1875-1978

(A. C. & F. Co.-built in 1930.)

