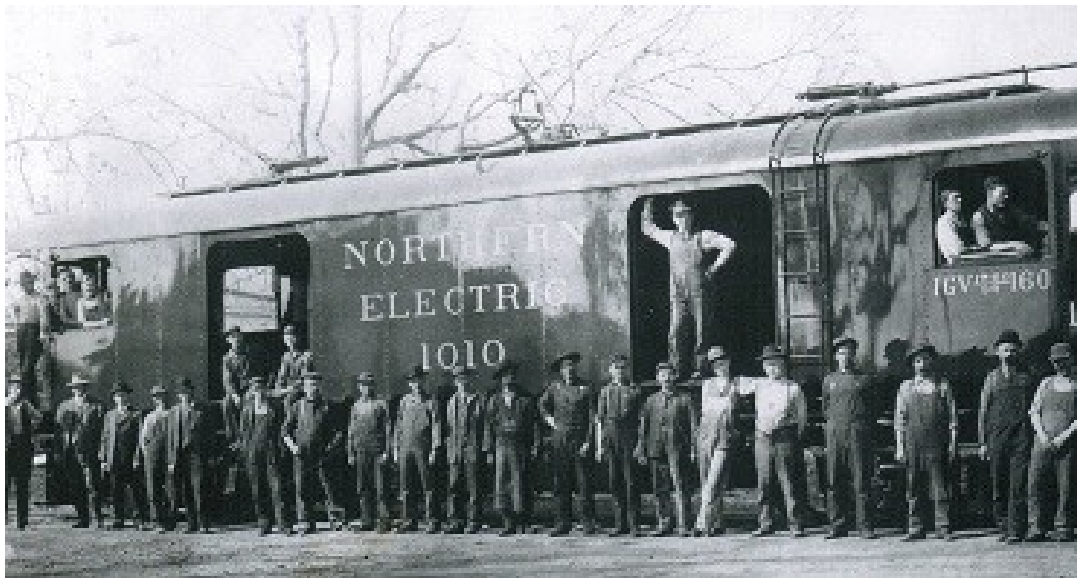


# NORTHERN ELECTRIC 1010

by John Perkin



Northern Electric #1010 was an all-steel electric combination locomotive/baggage car built in 1911 by the Northern Electric Railway at its shops in Chico, California.

Originally designed as a dual-purpose freight and express motor, the 53-foot box cab locomotive

Operated on the Northern Electric and later the Sacramento Northern Railway interurban electric line.

It used overhead catenary in the towns and third side rail in the country. The Sacramento Northern Railroad #1010 was equipped with dual-voltage motors.

It normally operated on a 1,200V D.C. overhead line, later raised to 1,500V, but switched to 600V D.C. when running on street lines.

NE# 1010 was very successful as a locomotive, though the express motor function proved to be less successful.

It was successfully utilized for decades until it was retired and scrapped in 1954.

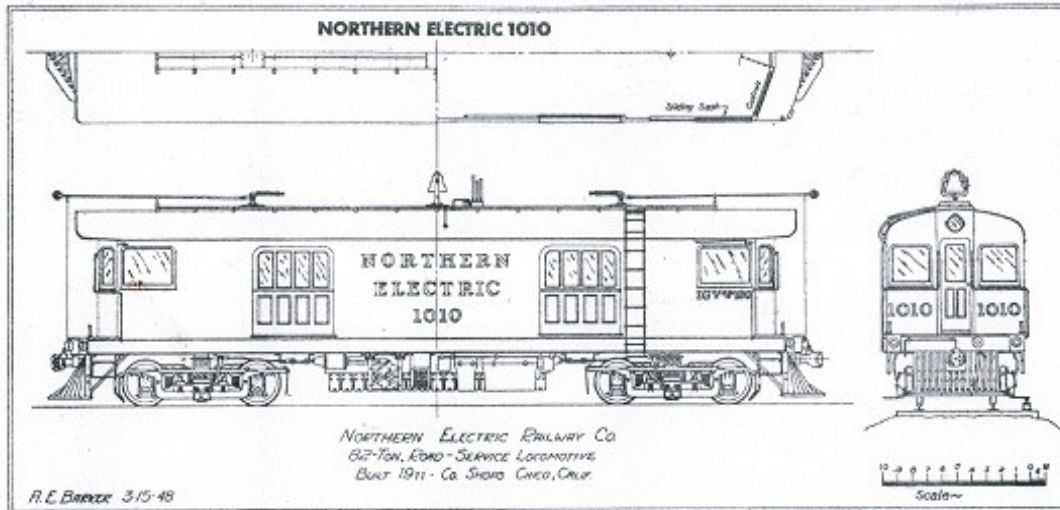
Original Length:- 58ft 2ins

Four GE 301A Electric Motors

Weight:- 82 tons

Renumbered as SN 410 in 1928 and in 1930 it was shortened to 38 feet long with GE 69-C electric motors.

**Drawing**



**Photos**





## **Models**

There was a magnificent brass H0 model of this locomotive made by Suydam. You would require a fortune to buy one now!

I have built "0" gauge models in 1:45 scale of both NE 1010 and SN #410 as seen in the photos below.

A recent request for a good quality drawing of NE#1010 on the Traction Modelling Facebook Site was supplied by my great friend Garth G. Groff, who is an expert on the Sacramento Northern. Never one to ignore a good drawing which I enlarged to 1:32 scale for Gauge 1 on 45mm track.

Eldest daughter left some thin ply from a dolls house kit which was used for the sides. The ends were cut from 60 thou styrene sheet. The base is thicker ply. The roof was fabricated from ply and card with scribed styrene sheet running boards. The two trolley poles were made up from wire, springs and wood strip.

Decals are generated in WORD and fitted with impact adhesive.

Glazing is from our now closed local craft shop and also from cake and other boxes.

Models – HO Scale



**Models - "0" Gauge to 1:45 Scale**



**Upper – NE#1010 with a typical SN Tower with Bayko door and windows and a Brickplayer roof.**

**Lower – The later cut down SN #410**

*Models – Gauge 1 to 1:32 Scale*





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NORTHERN  
ELECTRIC  
1010

1010



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