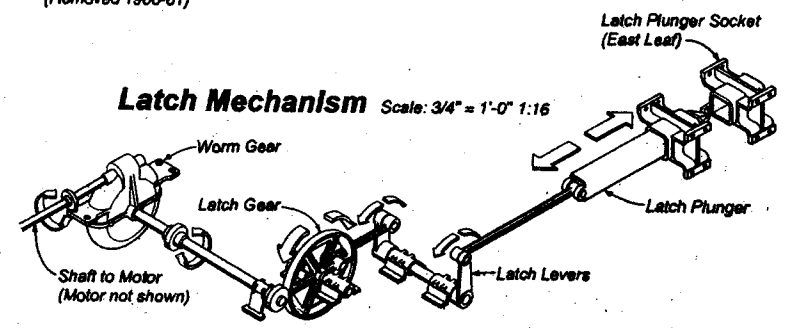
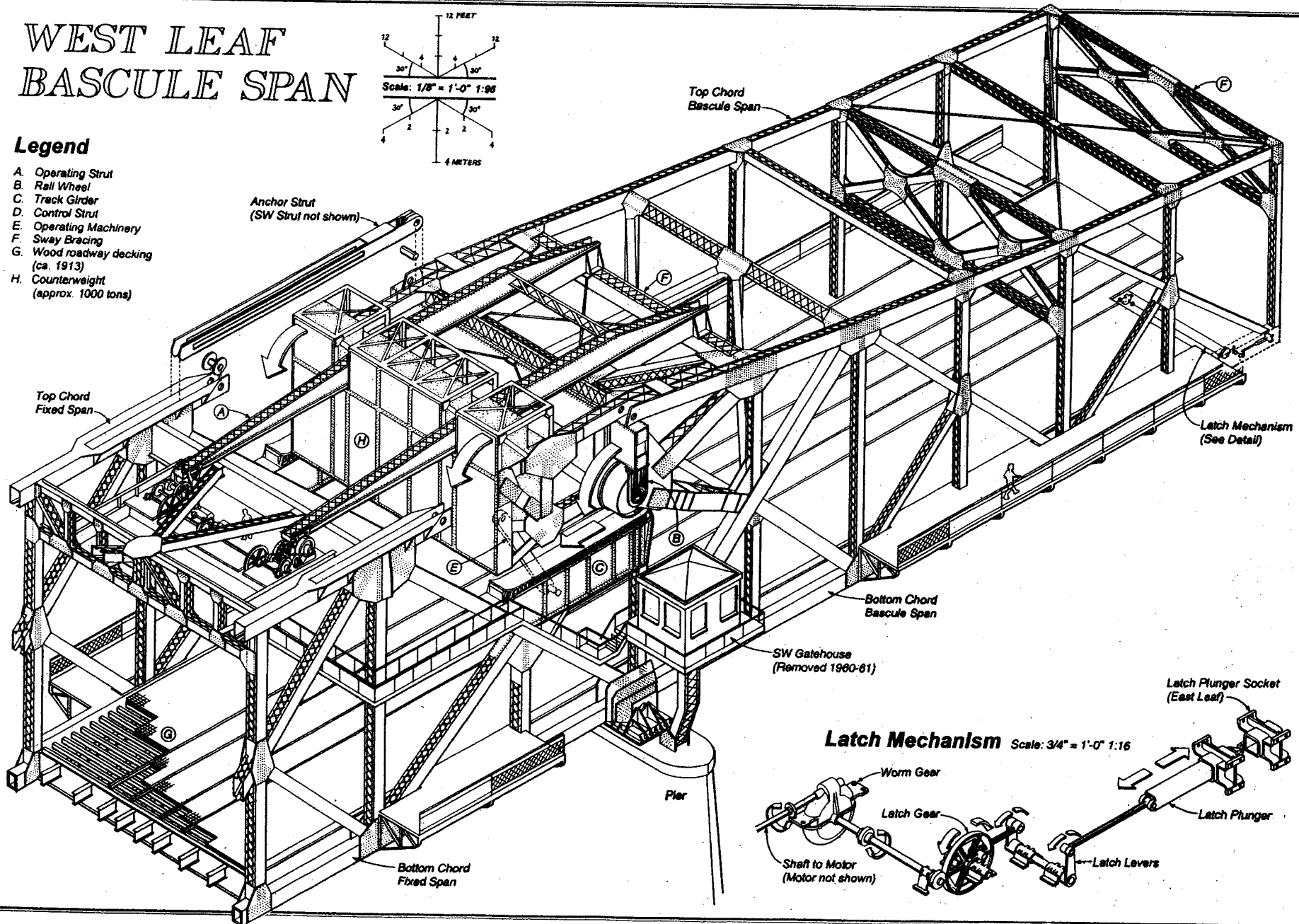
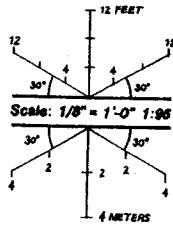


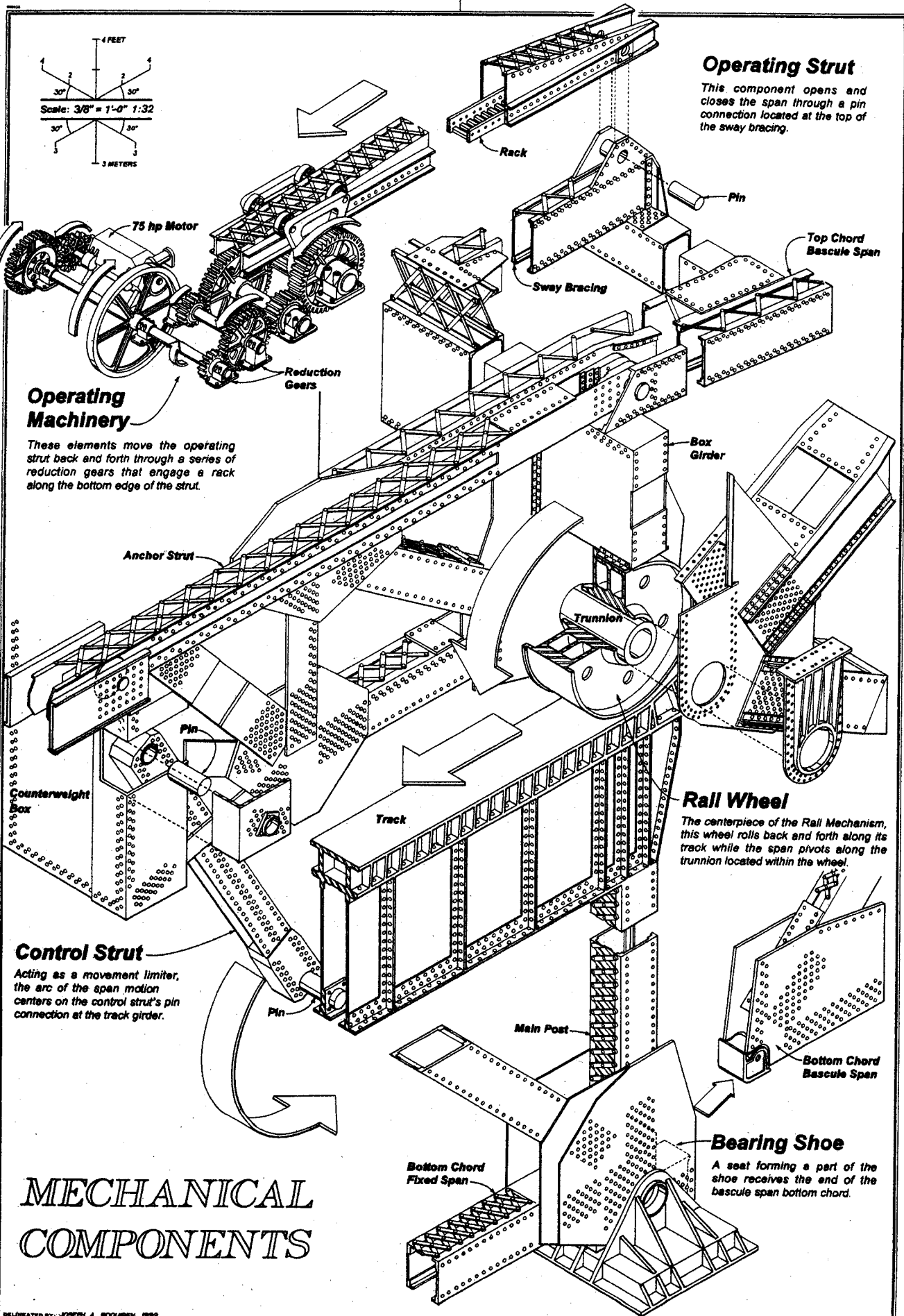
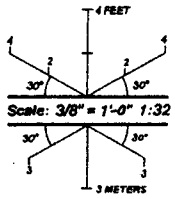
# WEST LEAF BASCULE SPAN

## Legend

- A. Operating Strut
- B. Rail Wheel
- C. Track Girder
- D. Control Strut
- E. Operating Machinery
- F. Sway Bracing
- G. Wood roadway decking (ca. 1913)
- H. Counterweight (approx. 1000 tons)



ILLUSTRATED BY JOSEPH A. SOUZA, JR.  
 WILLAMETTE RIVER BRIDGE  
 RECORDING PROJECT  
 HISTORIC AMERICAN ENGINEERING RECORD  
 OREGON SHEET 2 OF 3  
 BROADWAY BRIDGE, I-5  
 SPANING WILLAMETTE RIVER OF CLATSOP COUNTY  
 MULTNOMAH COUNTY  
 OREGON  
 IF REPRODUCED, PLEASE CREDIT HISTORIC AMERICAN ENGINEERING RECORD, NATIONAL PARK SERVICE, NAME OF DELINEATOR, DATE OF THE DRAWING



**Operating Strut**

This component opens and closes the span through a pin connection located at the top of the sway bracing.

**Operating Machinery**

These elements move the operating strut back and forth through a series of reduction gears that engage a rack along the bottom edge of the strut.

**Control Strut**

Acting as a movement limiter, the arc of the span motion centers on the control strut's pin connection at the track girder.

**Rail Wheel**

The centerpiece of the Rail Mechanism, this wheel rolls back and forth along its track while the span pivots along the trunnion located within the wheel.

**Bearing Shoe**

A seat forming a part of the shoe receives the end of the bascule span bottom chord.

**MECHANICAL COMPONENTS**