

# La Salle Causeway Bridge Rehabilitation

## Gauges for dynamic measurements

Total:

24 uni-axial gauges (12 North side, 12 South side)

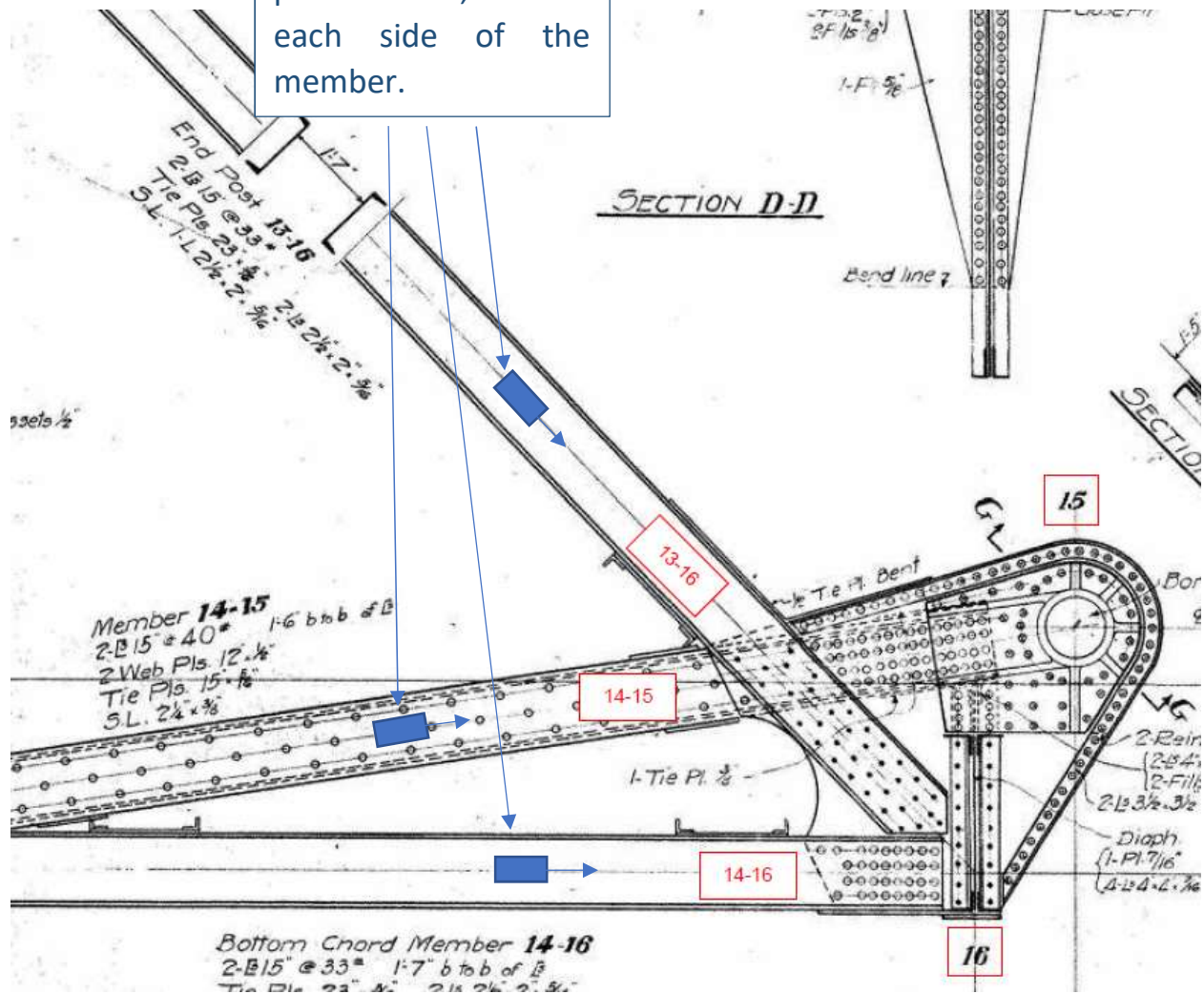
13 tri-axial gauges (6 North side, 7 South side)

■ uni-axial gauges  
(axis oriented in the direction of the frame)

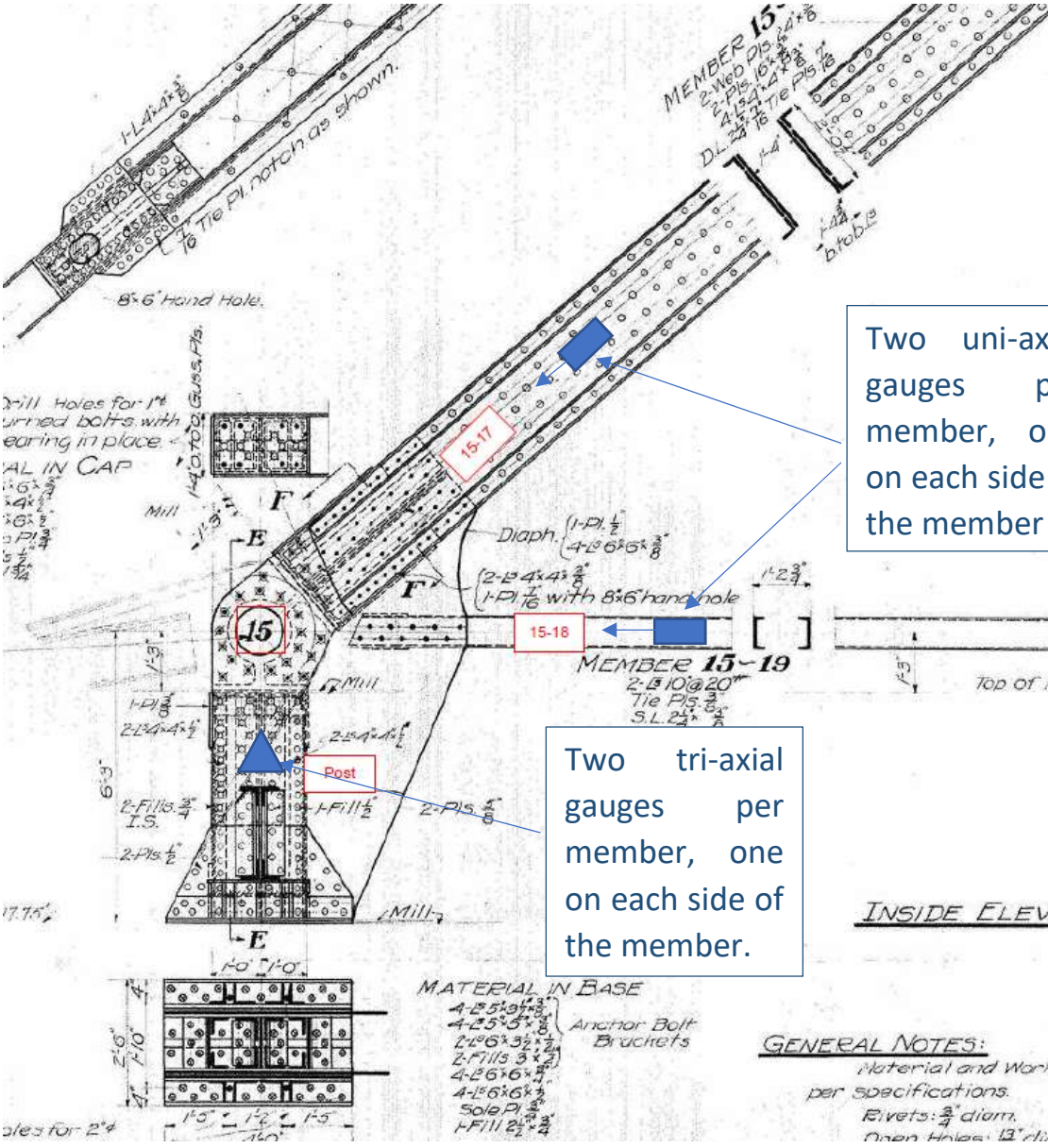
▲ tri-axial gauges

## Members

Two uni-axial gauges per member, one on each side of the member.



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Two tri-axial gauges per member, one on each side of the member.

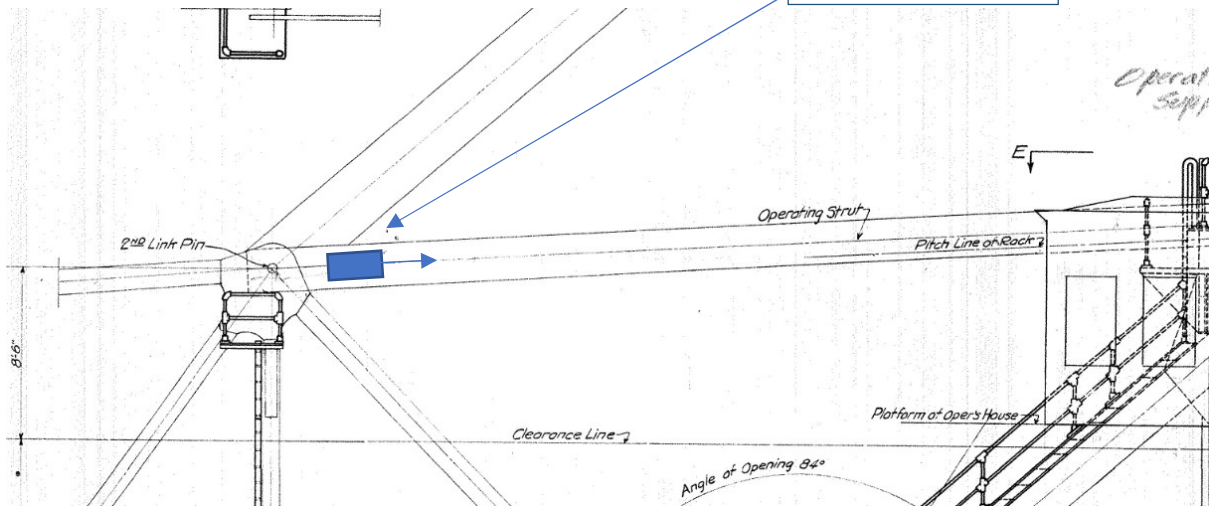
INSIDE ELEV

GENERAL NOTES:  
 Material and Work per specifications.  
 Rivets: 3/4" diam.  
 Open Holes: 1 3/4" dia.

## Members

Operation strut

Two uni-axial gauges per member, one on each side of the member



## Trunnions

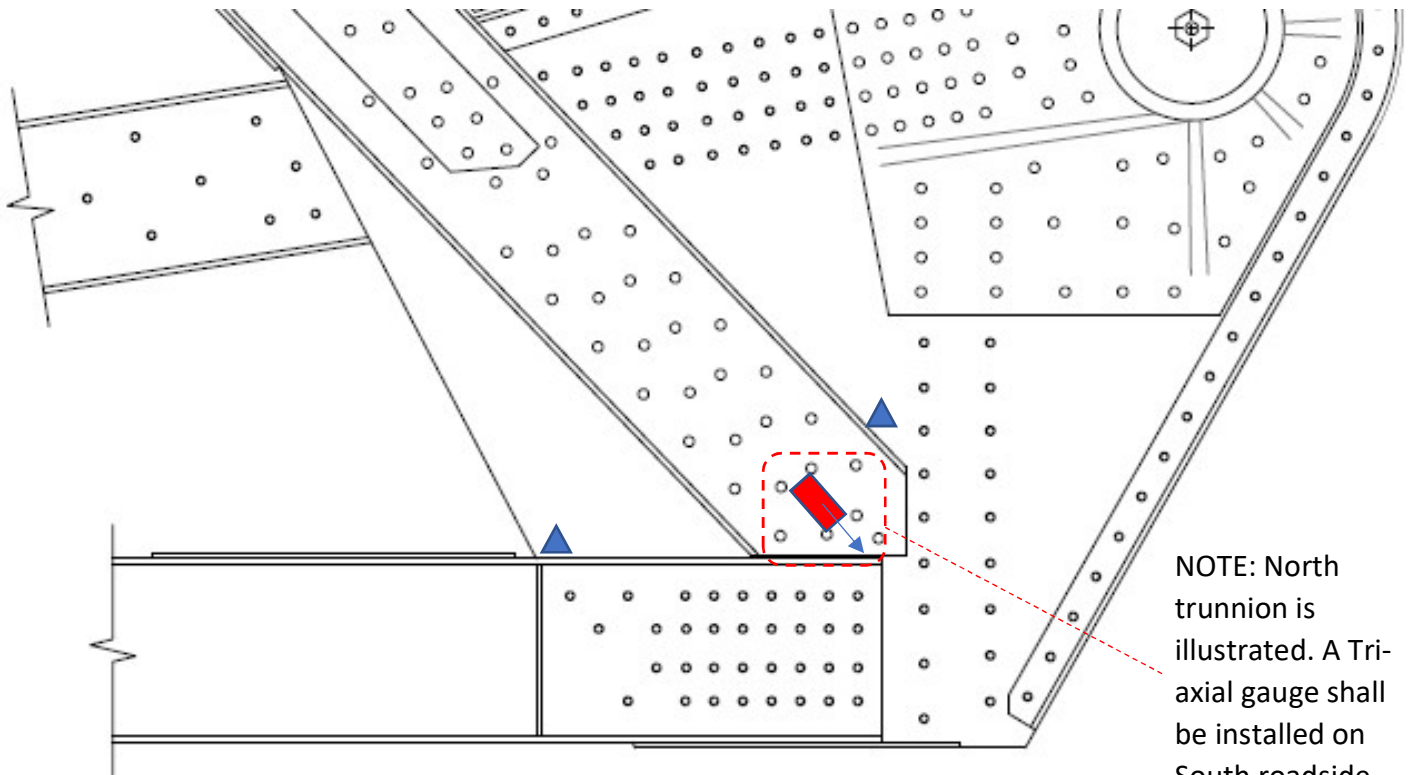
*Plane view*



Nine (9) tri-axial gauges and One (1) uni-axial gauge. The gauges in red must be installed from the inside of the trunnion assembly.

Each box (above) is a trunnion which is composed of 2 gusset plates (and other minor plates). On each trunnion there is an exterior gusset plate and an interior gusset plate. All gusset plates shall receive 2 tri-axial gauges (blue), installed on the outside face of the trunnion (box). The red gauges (one tri-axial and one uni-axial) shall be installed on the interior face of the two interior gusset plates.

*Side view*



NOTE: North trunnion is illustrated. A Tri-axial gauge shall be installed on South roadside trunnion at this location.