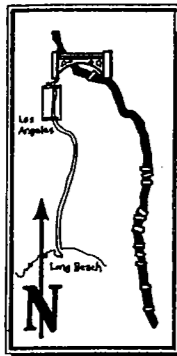
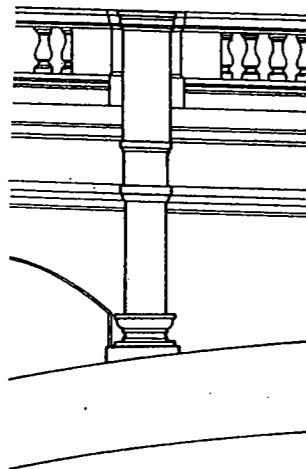


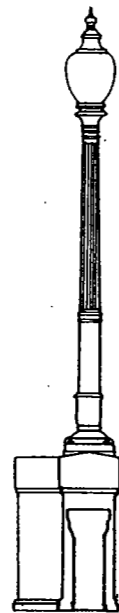
GLENDALE-HYPERION VIADUCT



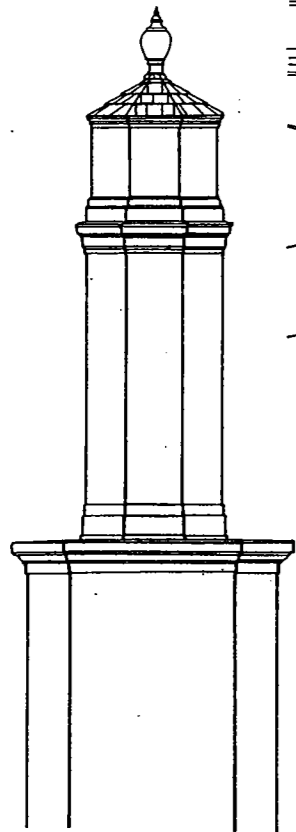
Light Standard
and Railing



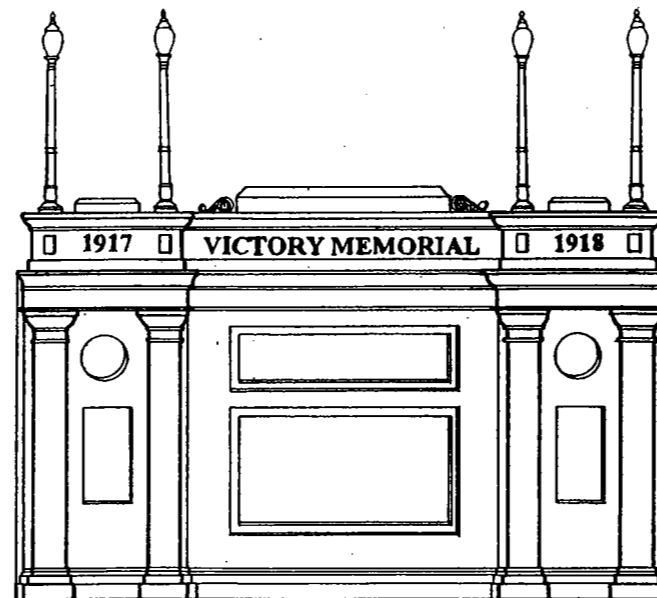
0 1 2 3 4 5
FEET 3/8"=1'-0"
0 .5 1 2
METERS 1:32



Pylon Detail



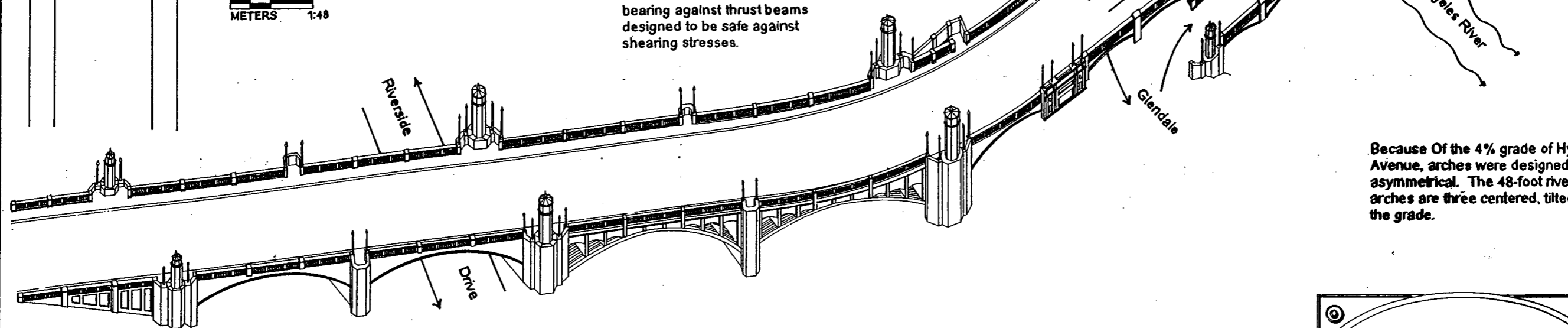
0 1 2 4 8
FEET 1/4"=1'-0"
0 .5 1 2
METERS 1:48



Commemorative Façade Detail

Seismic forces were respected in the design which used buttressed abutments with the barrel arches bearing against thrust beams designed to be safe against shearing stresses.

The Glendale-Hyperion Viaduct solved a serious problem of traffic congestion and improved the main traffic artery between the City of Los Angeles and Glendale. A 1,300 foot reinforced concrete arched viaduct across the Los Angeles River, two smaller concrete viaducts connecting adjoining streets, an electric railway underpass and a street grade separation were required to eliminate the bottleneck and provide a connection to the newly opened Hyperion Avenue.



Axonometric

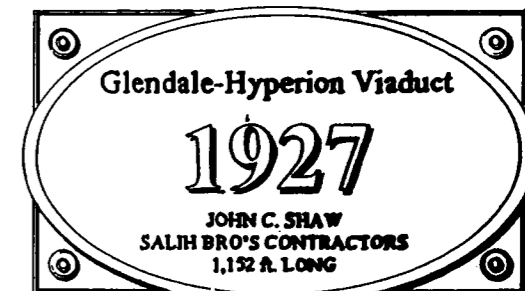
0 20 40 80
FEET 1"=40'-0"
0 5 10 20
METERS 1:480

Pier shafts were constructed hollow, because their designer Butler wished to thicken them as an architectural feature without adding weight. After the bridge was constructed, it was designated "Victory Memorial Bridge" in honor of the men who served in World War I.

Glendale-Hyperion Viaduct featured large octagonal pylons with conical caps. Pylons were placed on abutments at each end of the 135-foot open-spandrel arches at Riverside Drive to emphasize the proportion of the viaduct.

Because Of the 4% grade of Hyperion Avenue, arches were designed to be asymmetrical. The 48-foot river span arches are three centered, tilted to fit the grade.

Seismic Retrofit Legend
Not Yet Retrofitted



HISTORIC AMERICAN ENGINEERING RECORD CA-272
 SHEET 1"=1' CALIFORNIA
 GLENDALE-HYPERION VIADUCT 1927 LOS ANGELES COUNTY LOS ANGELES
 DELINEATED BY: ERIN AMMER. LOS ANGELES RIVER BRIDGES RECORDING PROJECT UNITED STATES DEPARTMENT OF THE INTERIOR
 IF REPRODUCED, PLEASE CREDIT: HISTORIC AMERICAN ENGINEERING RECORD, NATIONAL PARK SERVICE, NAME OF DELINEATOR, DATE OF THE DRAWING. 14620