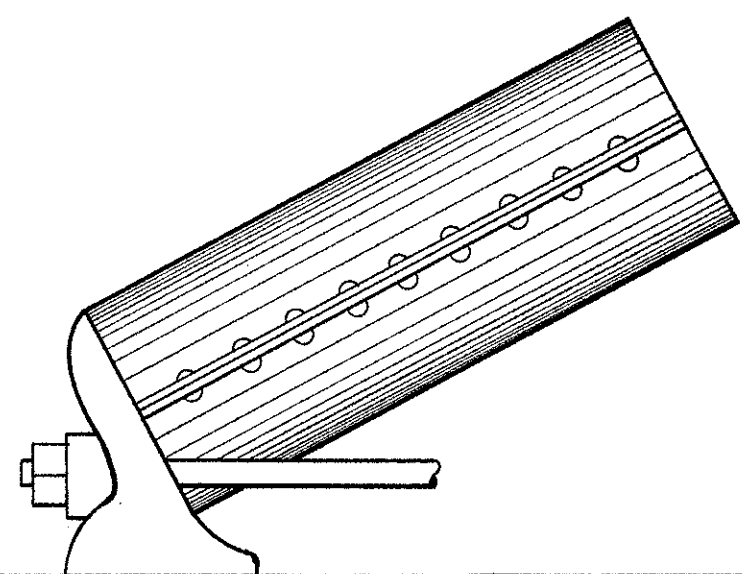
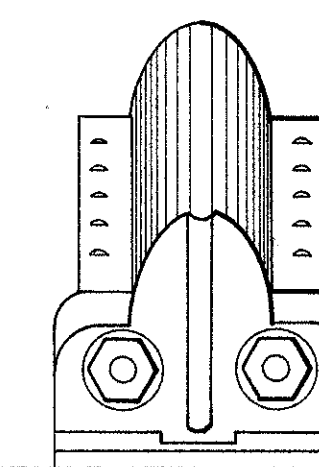


# WHITE BOWSTRING ARCH TRUSS BRIDGE

## POLAND



Side-view of end bearing condition\*



Rear-view of end bearing condition\*

### MAHONING COUNTY, OHIO. 1877

The White Bowstring Arch Truss bridge was probably built in the mid 1870s, and a date of 1877 has been suggested. It was fabricated by the Wrought Iron Bridge Company (WIBC) of Canton, Ohio to a design patented by William Reznor in 1867 and 1872. WIBC was one of the major American bridge building firms of the late nineteenth century. Many bowstring bridges were built between 1850 and 1880 but comparatively few survive.

This bridge is unusual because the tubular compression member is ovoid in section,

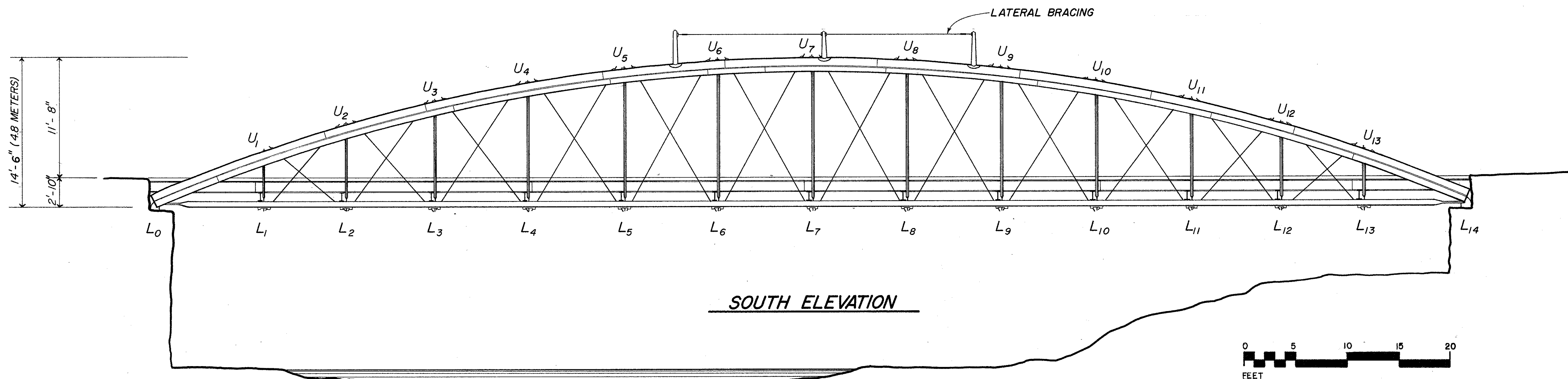
rather than square or round. This is the only known example of a bridge built to Reznor's design in Ohio. Only two others are known to exist (as of August 1986). One is in New York and the other is in Pennsylvania.

This recording project is part of the Historic American Engineering Record (HAER), a long range program to document the engineering and industrial heritage of the United States. The HAER program is administered by the National Park Service, U.S. Department of the Interior. The

Ohio Historic Bridge Recording Project was co-sponsored during the summer of 1986 by the Ohio Department of Transportation, Warren J. Smith, Director and Federal Highway Administration, Marvin I. Espeland, Ohio Division Administrator.

Field work, measured drawings, historical reports and photographs were prepared under the general direction of Dr. Robert J. Kapsch, Chief, Historic American Buildings Survey / Historic American Engineering Record (HABS/HAER) and Eric DeLony, Principal Architect, HAER. The

recording team consisted of Randall S. Gooden, project historian (West Virginia University), architect technicians Christopher P. Collins (Ohio State University) and Charissa Wang (University of Maryland) and US/International Council on Monuments and Sites student interns Frances A. Jones, historian (Royal Commission on the Historical Monuments of England) and Miriam Fitzpatrick, architect (University College Dublin, Ireland). Record photographs were taken by Louise Taft Cawood. David Simmons, historian, Ohio Historical Society was project advisor.



\* These detail views are from field measurements and are based on Patent No. 128,509, July 2, 1872, by William B. Reznor.

DELINEATED BY: Christopher P. Collins, 1986

OHIO HISTORIC BRIDGE RECORDING PROJECT  
HISTORIC AMERICAN BUILDINGS SURVEY  
HISTORIC AMERICAN ENGINEERING RECORD  
UNITED STATES DEPARTMENT OF THE INTERIOR

WHITE BOWSTRING ARCH TRUSS BRIDGE - 1877  
ON CEMETARY/ RIVERSIDE DR. OVER YELLOW CREEK IN POLAND  
MAHONING COUNTY

POLAND

OHIO

SHEET  
1 of 3

HISTORIC AMERICAN  
ENGINEERING RECORD

OH-39

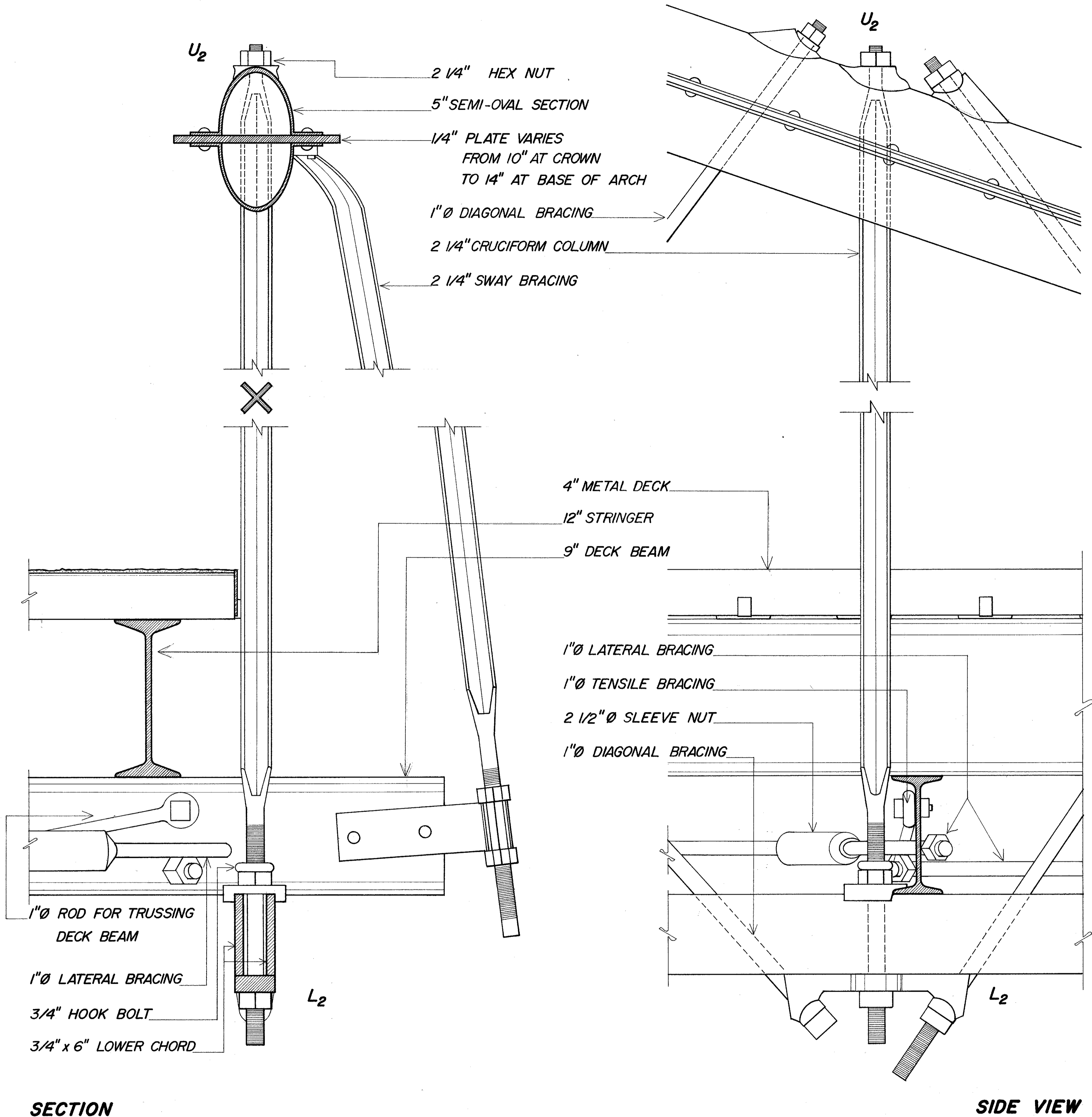
IF REPRODUCED, PLEASE CREDIT: HISTORIC AMERICAN ENGINEERING RECORD, NATIONAL PARK SERVICE, NAME OF DELINEATOR, DATE OF THE DRAWING



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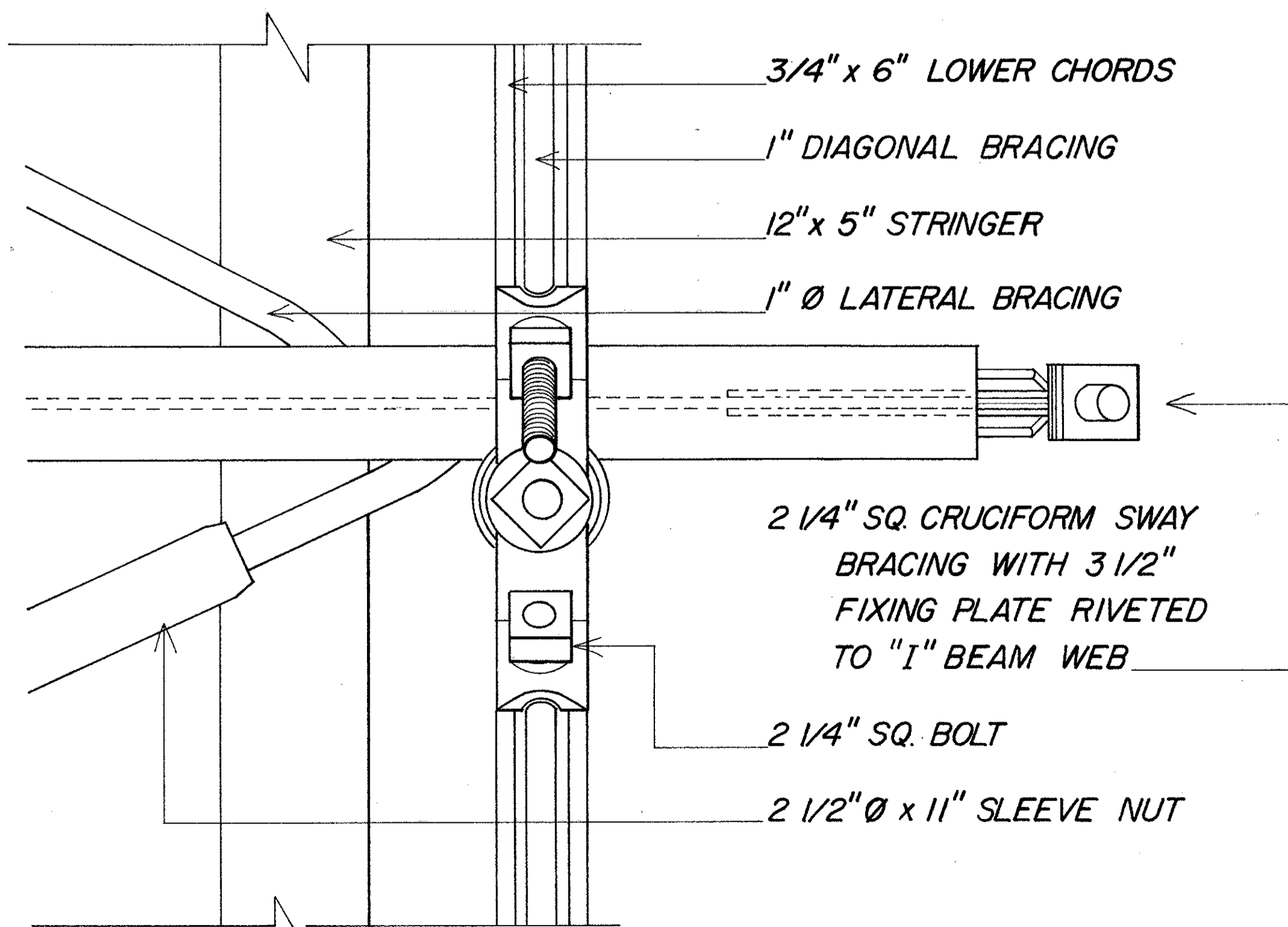
TRIM LINE

TRIM LINE

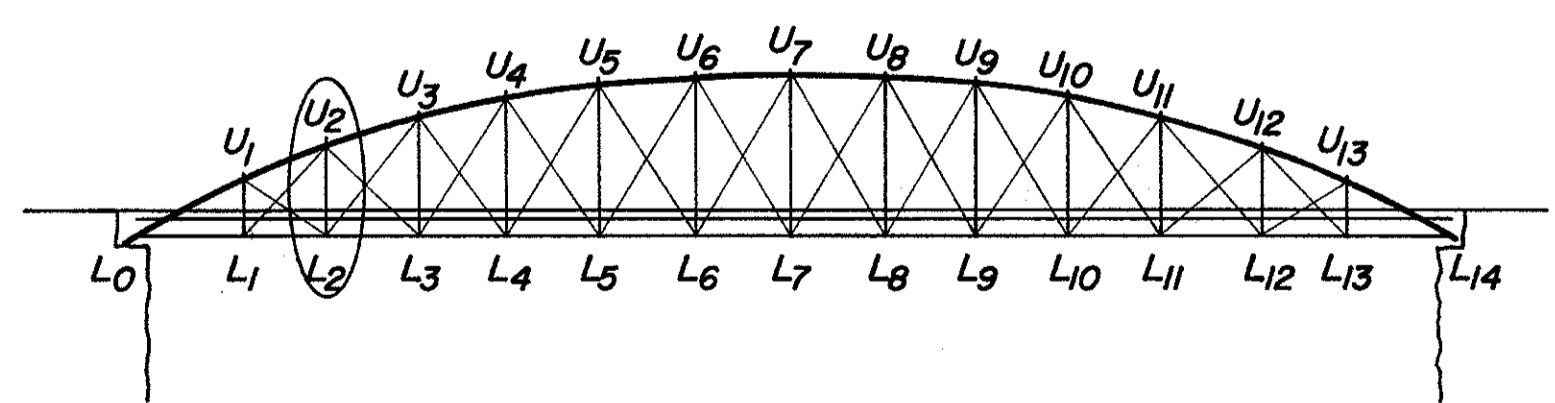


**SECTION**

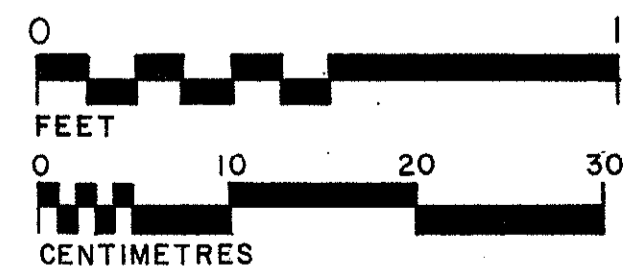
**SIDE VIEW**



**BOTTOM VIEW**



**DETAILS AT U2-L2**



DELINEATED BY: Charissa Wang, Miriam Fitzpatrick, 1986

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