## CEMETERY ROAD BRIDGE · 1888 ·

## SALEM VICINITY, NEW YORK

THIS FOUR PANEL, SINGLE SPAN, LENTICULAR (PARABOLIC) PONY TRUSS BRIDGE ACROSS BLACK CREEK WAS ONE OF TWO BRIDGES FABRICATED IN 1888 FOR THE TOWN OF SALEM, NEW YORK, BY THE BERLIN IRON BRIDGE COMPANY, EAST BERLIN, CONNECTICUT. USING THE LENTICULAR TRUSS PATENTS AWARDED TO WILLIAM O. DOUGLAS OF BINGHAMTON, NEWYORK, APRIL 16,1878 (NO. 202, 526) AND APRIL 7, 1885 (NO. 315,259), THE BERLIN IRON BRIDGE COMPANY ERECTED HUNDREDS OF LENTICULAR TRUSS BRIDGES BEFORE DISCONTINUING THE USE OF THE DESIGN AROUND 1895. BY 1889, THE COMPANY LISTED 578 LENTICULAR TRUSS SPANS IN PLACE, WITH THE MAJORITY LOCATED IN NEW YORK AND THE NEW ENGLAND STATES.

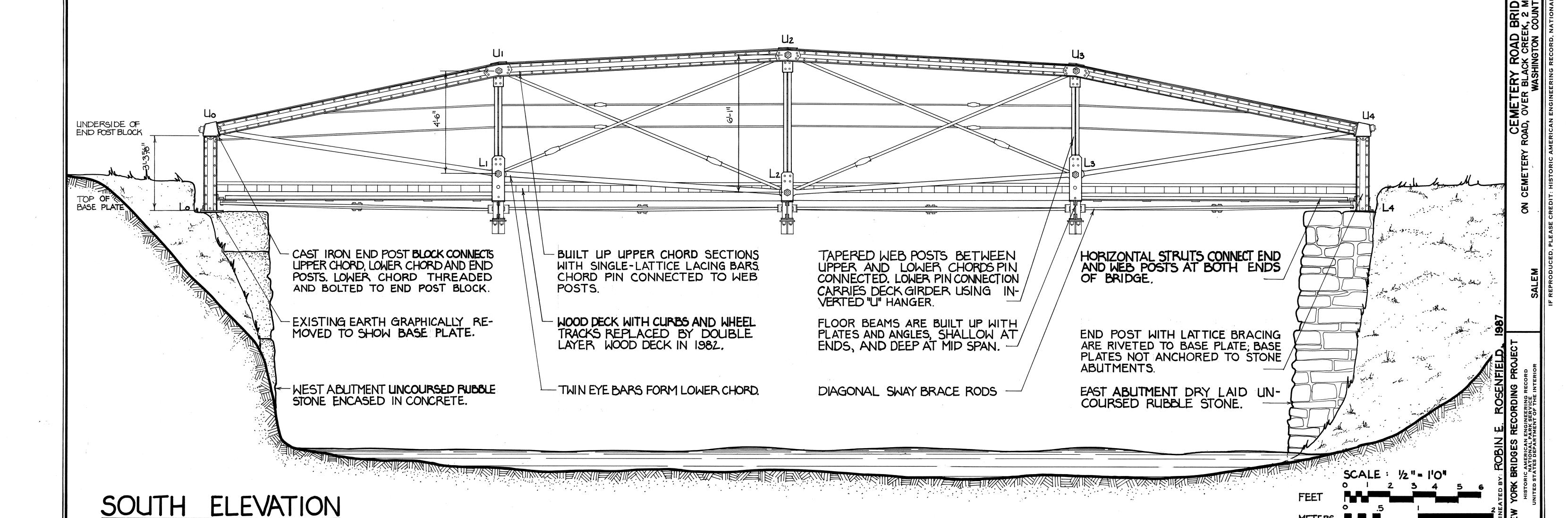
THE CAST IRON END POST BLOCKS, TAPERED WEB POSTS, DIAGONAL WEB TIE RODS, HORIZONTAL STRUTS BETWEEN END AND WEB POSTS, AND PINNED CONNECTIONS OF THE CEMETERY ROAD BRIDGE ARE ALL FEATURES TYPICAL OF LENTICULAR PONY TRUSS BRIDGES UNDER 75 FEET LONG.

THIS BRIDGE IS THE OLDEST KNOWN IRON TRUSS AND THE ONLY SURVIVING LENTICULAR TRUSS BRIDGE IN WASHINGTON COUNTY AS WELL AS ONE OF THE FEW SURVIVING EXAMPLES OF A TYPE OF BRIDGE ONCE FOUND IN LARGE NUMBERS ACROSS THE STATE OF NEW YORK.

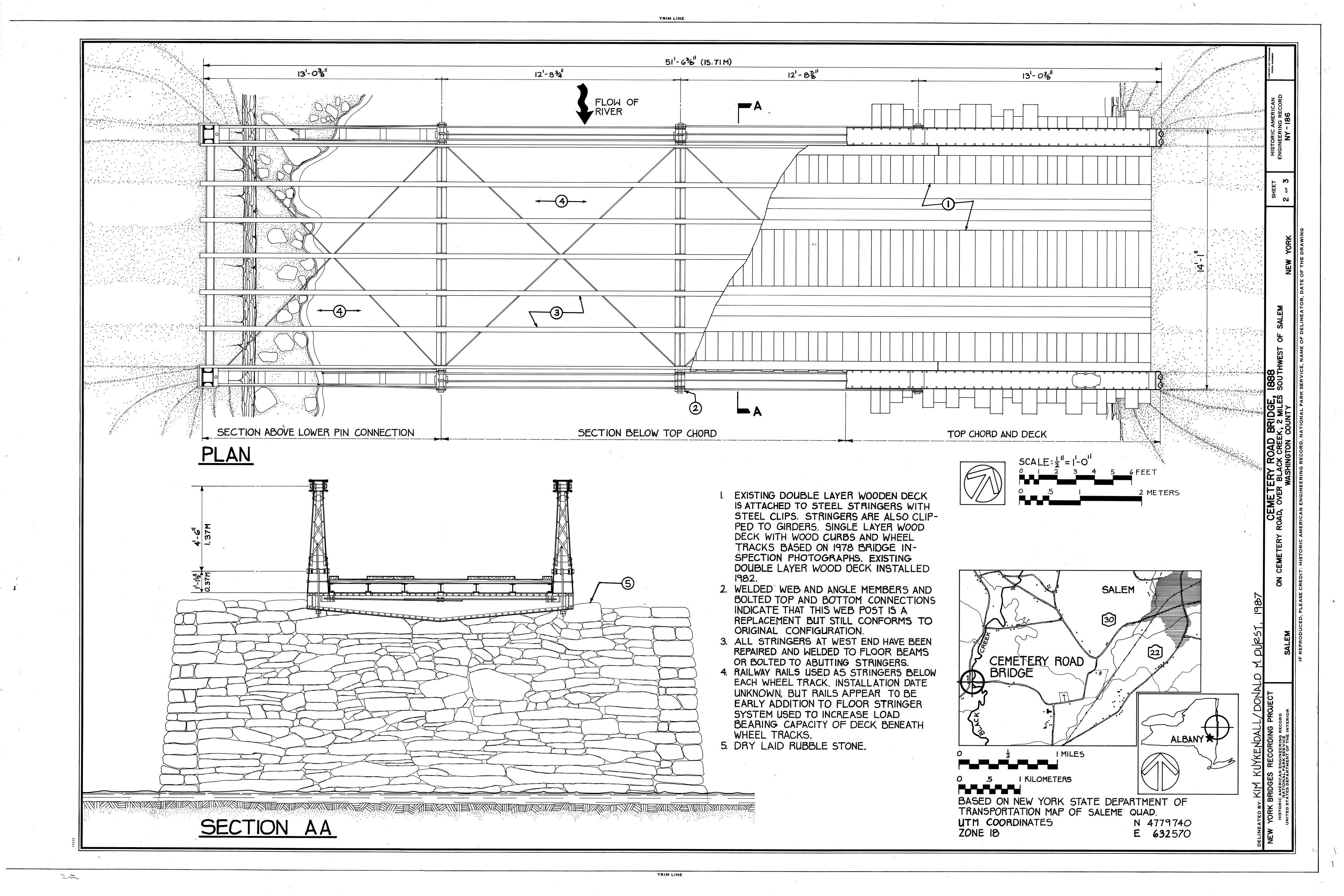
THIS RECORDING PROJECT IS PART OF THE HISTORIC AMERICAN ENGINEERING RECORD (HAER), A LONG-RANGE PROGRAM TO DOCUMENT THE ENGINEERING AND INDUSTRIAL HERITAGE OF THE UNITED STATES. THE HAER PROGRAM IS ADMINISTERED BY THE NATIONAL PARK SERVICE, U.S. DEPARTMENT OF THE INTERIOR. THE NEW YORK HISTORIC BRIDGES RECORDING PROJECT WAS COSPONSORED DURING THE SUMMER OF 1987 BY THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION; FRANKLIN E. WHITE, COMMISSIONER; DANIEL J. EGAN, DIRECTOR, PROGRAM PLANNING AND MANAGEMENT GROUP; MARY E. IVEY AND KAREN McCANN, ENVIRONMENTAL ANALYSIS BUREAU; WILLIAM

P. CHAMBERLIN, ENGINEERING RESEARCH AND DEVELOPMENT BUREAU.

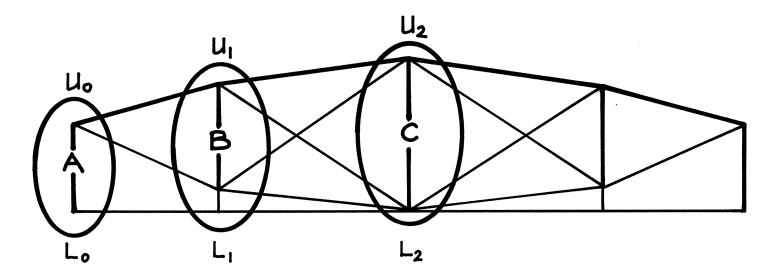
FIELD WORK, MEASURED DRAWINGS, HISTORICAL REPORTS, AND PHOTOGRAPHS WERE PREPARED UNDER THE GENERAL DIRECTION OF DR. ROBERT J. KAPSCH, CHIEF, HISTORIC AMERICAN BUILDINGS SURVEY/HISTORIC AMERICAN ENGINEERING RECORD (HABS/HAER), AND ERIC DELONY, PRINCIPAL ARCHITECT, HAER. THE RECORDING TEAM CONSISTED OF CHARLES SCOTT, PROJECT HISTORIAN; HUGH S. O'BRIEN, ARCHITECTURAL SUPERVISOR; ANDREW Q COLE (MARY WASHINGTON COLLEGE) ASSISTANT HISTORIAN; AND KIM KUYKENDALL, (UNIVERSITY OF ARIZONA), ROBIN E. ROSENFIELD (TEXAS TECH UNIVERSITY), AND CHARISSA WANG (UNIVERSITY OF MARYLAND), ARCHITECTURAL DELINEATORS. RECORD PHOTOGRAPHS WERE TAKEN BY MARTIN STUPICH. CONSULTING SERVICES WERE PROVIDED BY JOHN R. BOWIE, AIA.



TRIM LINE



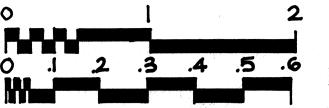




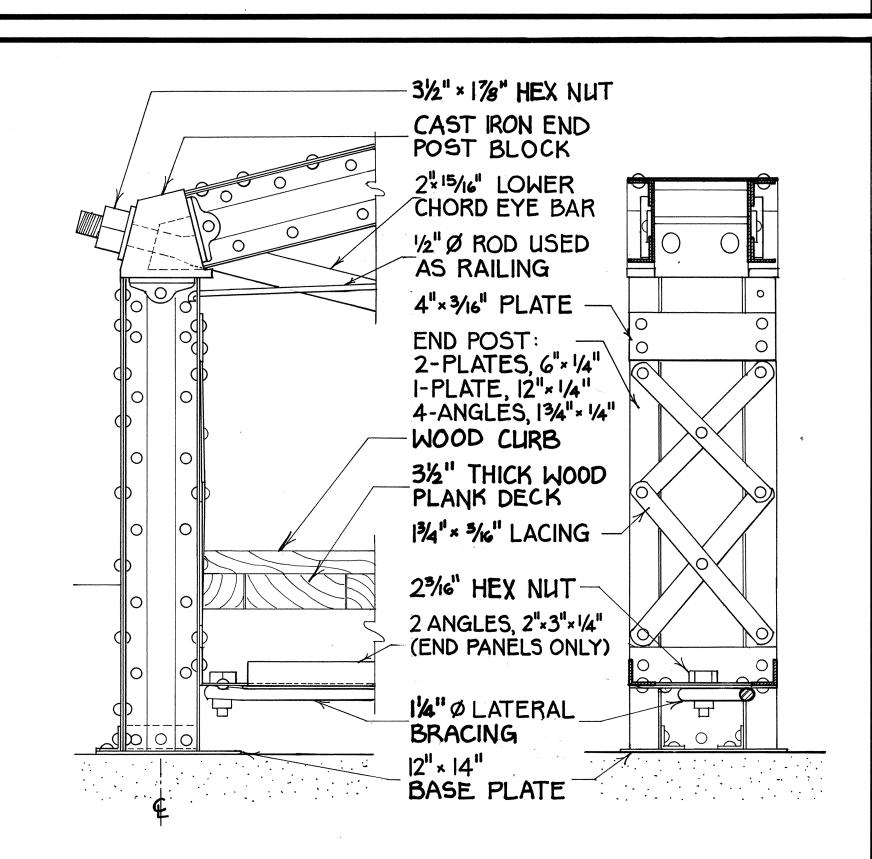
KEY TO SOUTH ELEVATION

NO SCALE

SCALE (DETAILS A, B, C): 1/2"=1-0"

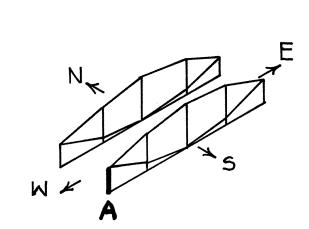


FEET METERS





ELEVATION LOOKING WEST



2" × 2" × 3/8" ANGLE

12" × 14"

BASE PLATE

23/16" × 1" HEX NUT

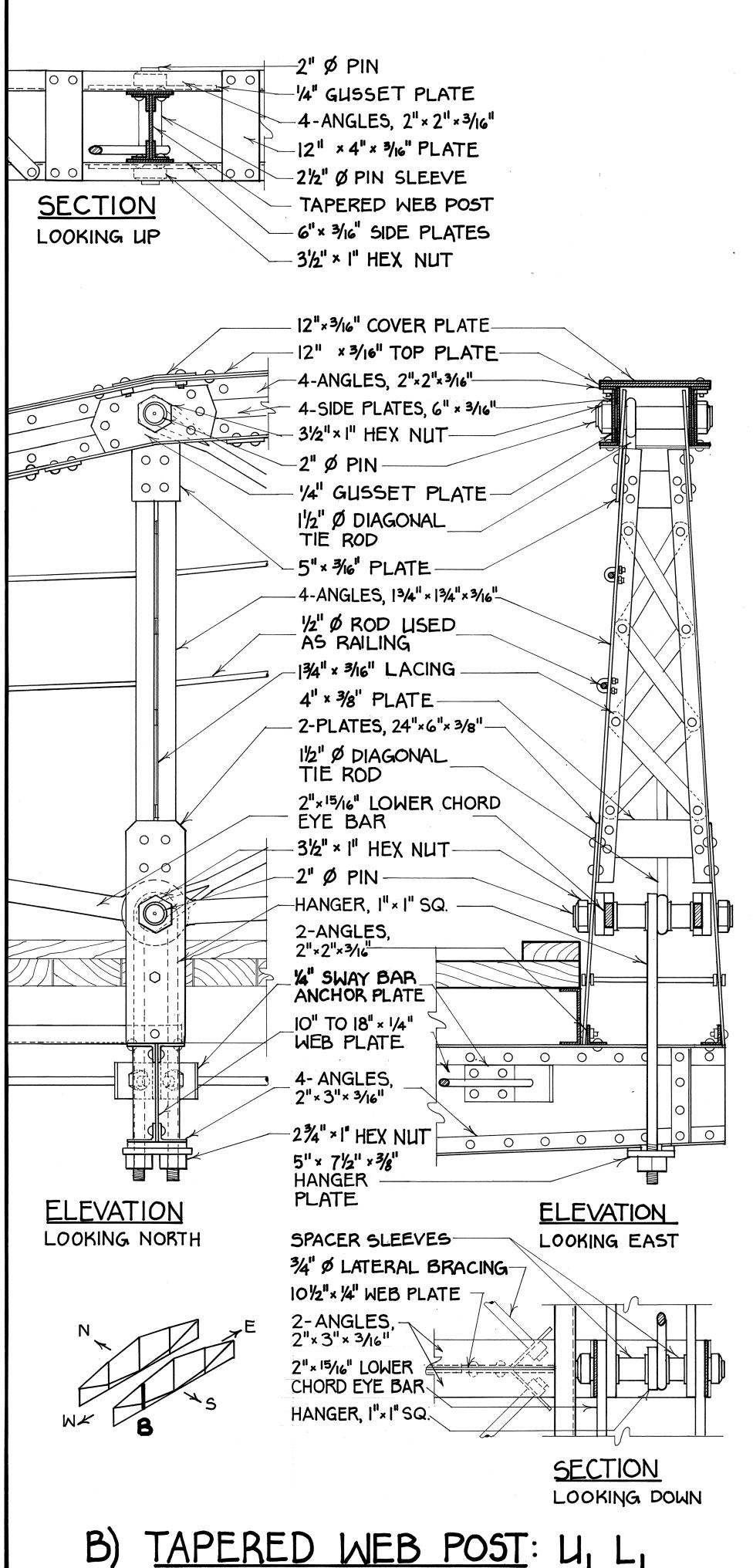
12" × 14" × 1/4"

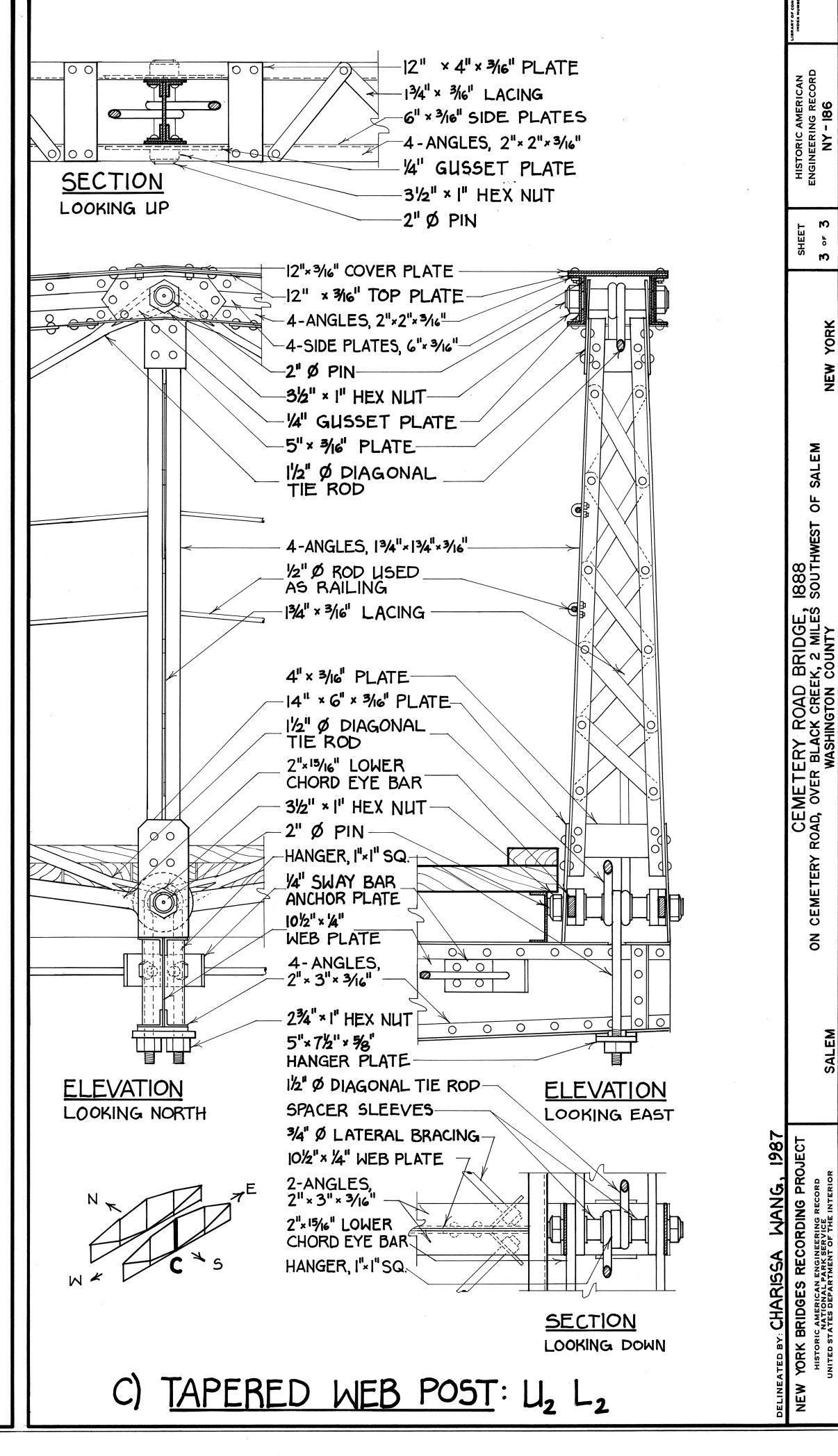
ANCHOR PLATE

2" × 2" × 3/16" ANGLE

SECTION LOOKING DOWN

A) END POST: U. L.





TRIM LINE