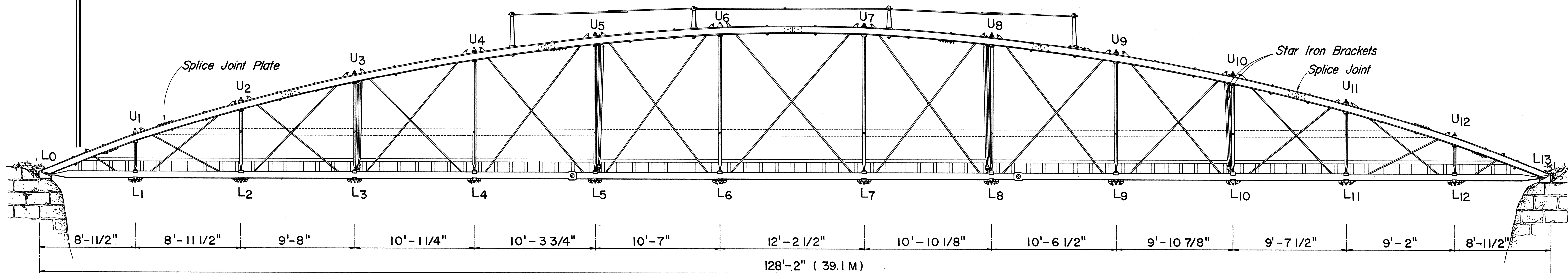


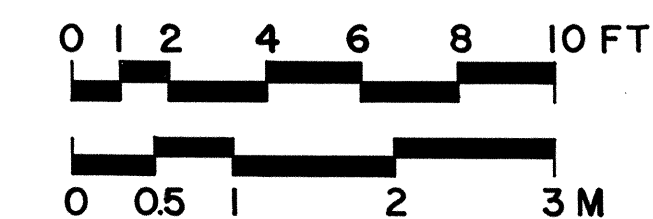
CORBETT'S MILL BRIDGE

SCOTCH GROVE • 1871 • IOWA



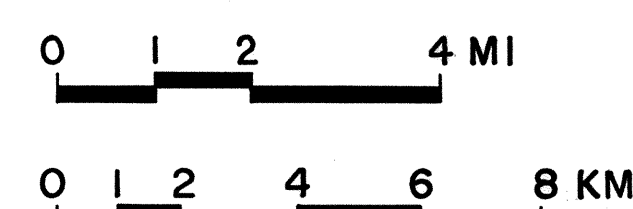
SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



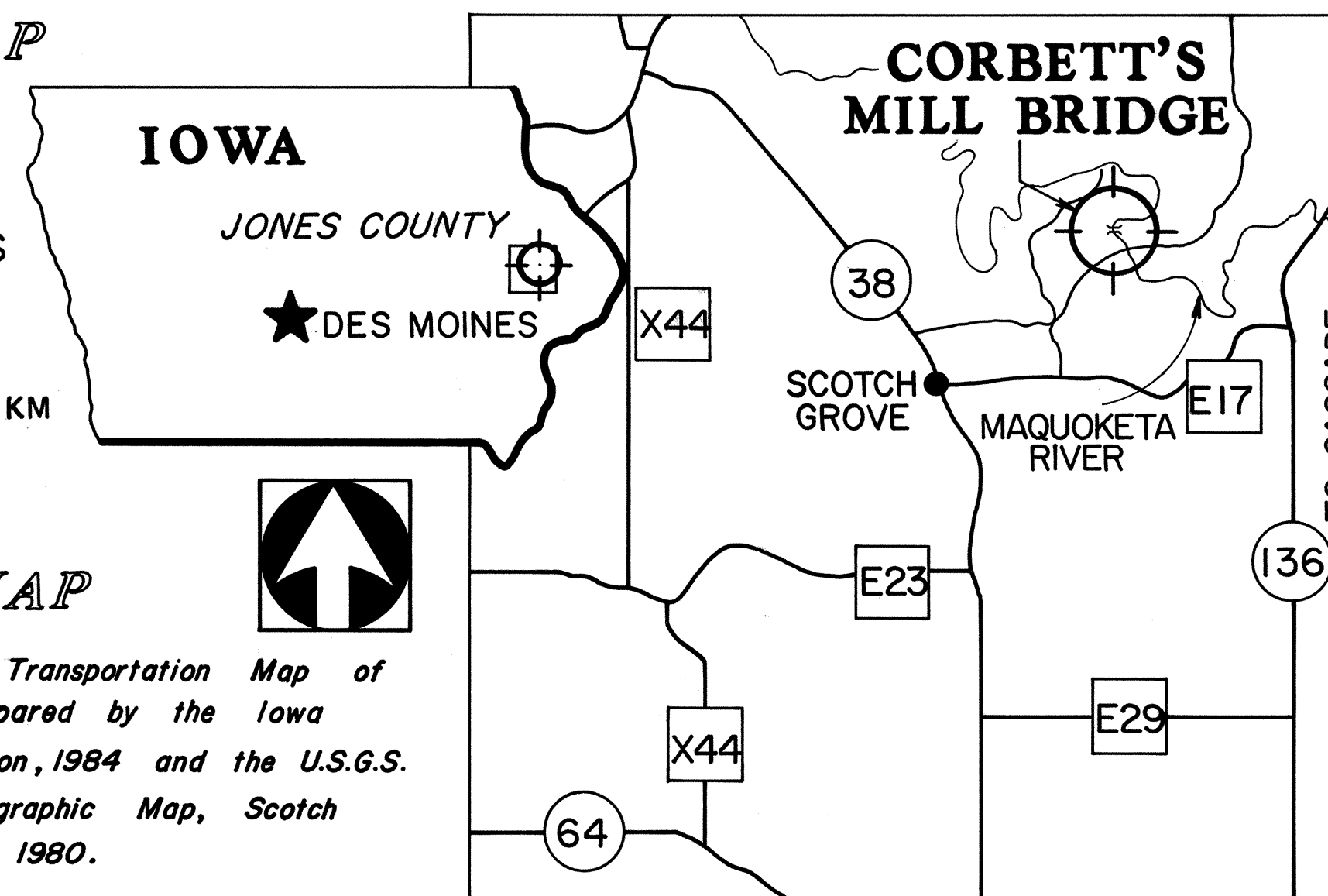
STATE MAP

SCALE: 1" = 2 MILES



LOCATION MAP

Based on Highway and Transportation Map of Jones County, Iowa. Prepared by the Iowa Department of Transportation, 1984 and the U.S.G.S. 7.5 x 15 min. series Topographic Map, Scotch Grove, Iowa, Quadrangle, 1980. UTM: 15.660410.4673415



The Iowa Historic Bridges Recording Project-II is a continuation of the project begun in the summer of 1995, and is part of the Historic American Engineering Record's (HAER) long-range program to document historically significant engineering, industrial, and maritime sites in the United States. The HAER program is administered by the National Park Service, U.S. Department of the Interior. The Iowa Historic Bridges Recording Project-II was cosponsored during the summer of 1996 by HAER under the general direction of E. Blaine Cliver, Chief, HABS/HAER, and by the Iowa Department of Transportation, the State Historical Society of Iowa, Iowa Division Office of the Federal Highway Administration, the American Society of Civil Engineers (ASCE), and the Iowa Transportation Center. The field work, measured drawings, historical reports, and photographs were prepared under the direction of Eric DeLony, Chief of HAER. The team consisted of Virginia Price (Tallahassee, Florida) architectural supervisor; Mahesh Keswani (Iowa State University), Grace Wallace (Kansas State University), and Min Xu (ICOMOS-Tokyo National University of Fine Arts and Music)-architects; Richard Vidutis (Takoma Park, Maryland)-historian; Bruce Harms (Marion, Iowa)-photographer; Professor (ret.) James Hippen (Decorah, Iowa)-historian consultant; Professor Dario Gasparini, Eugene Farrelly, and Dawn Harrison (Case Western Reserve University)-engineering consultants.

DELINEATED BY: MIN XU, 1996

IOWA HISTORIC BRIDGES
RECORDING PROJECT-II
UNITED STATES DEPARTMENT OF THE INTERIOR

SCOTCH GROVE VICINITY

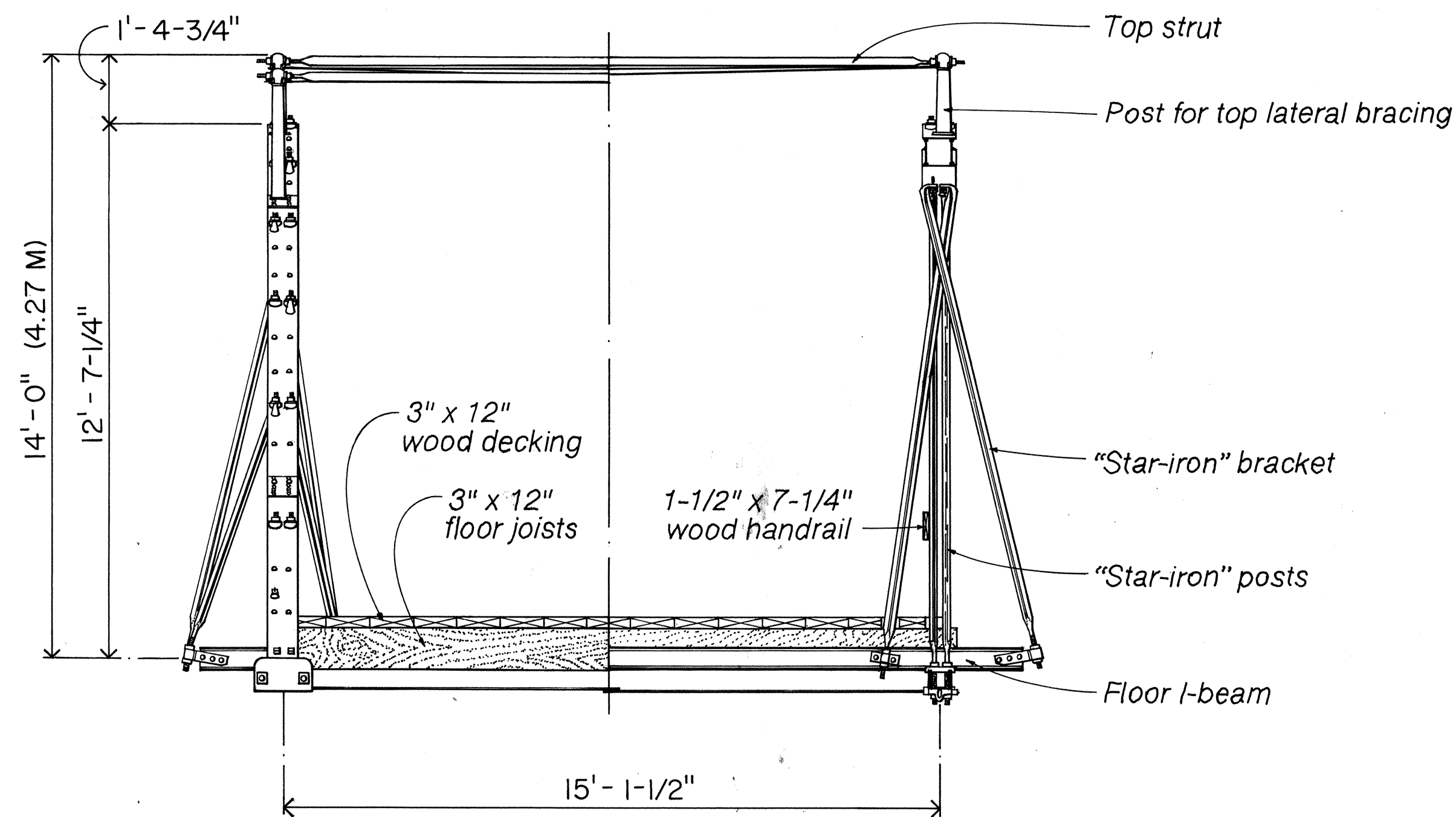
CORBETT'S MILL BRIDGE (1871)
SPANNING MAQUOKETA RIVER ON ABANDONED COUNTY ROAD, 3 MILES NE OF SCOTCH GROVE

IOWA

SHEET
1 OF 3

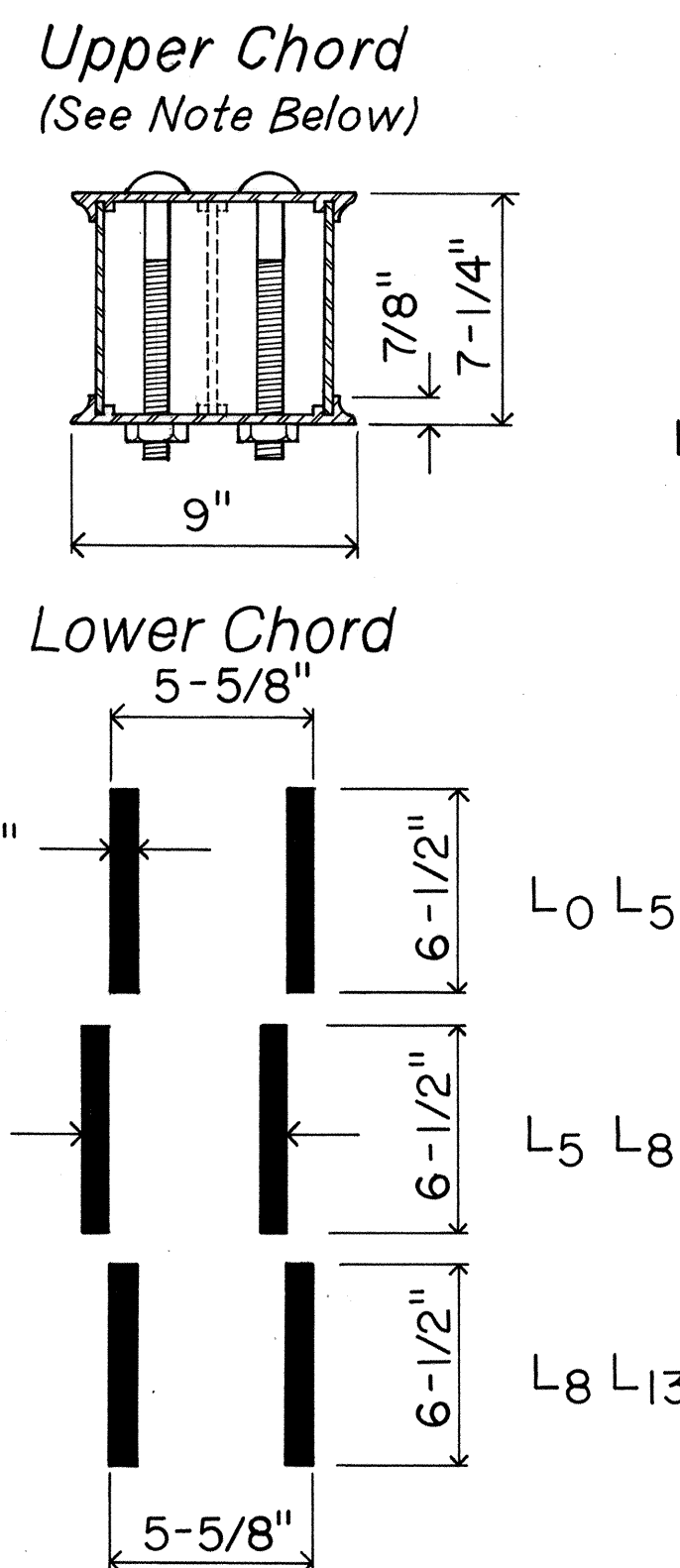
HISTORIC AMERICAN
ENGINEERING RECORD
IA-60

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

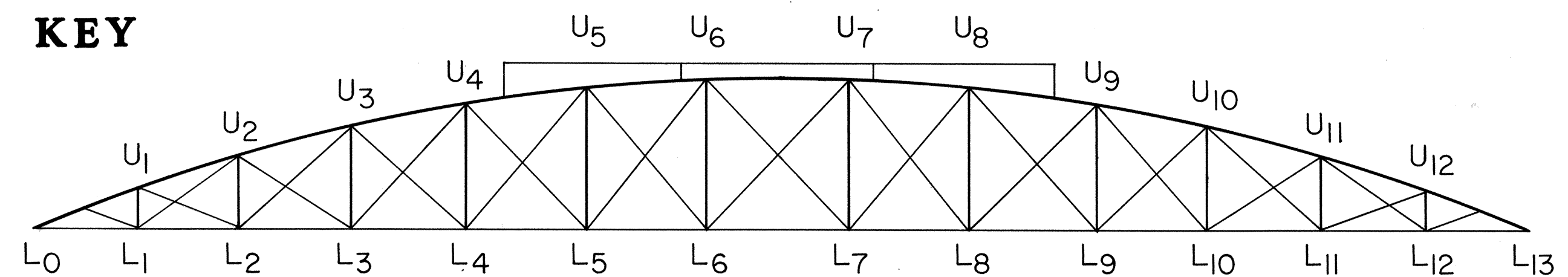


EAST ELEVATION/SECTION

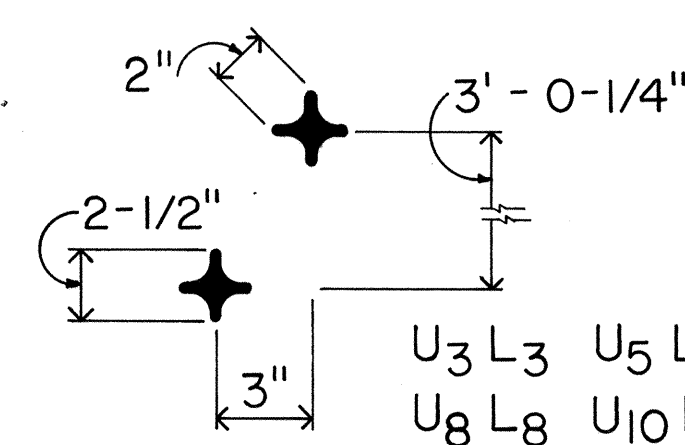
Scale: 3/8" = 1'-0"



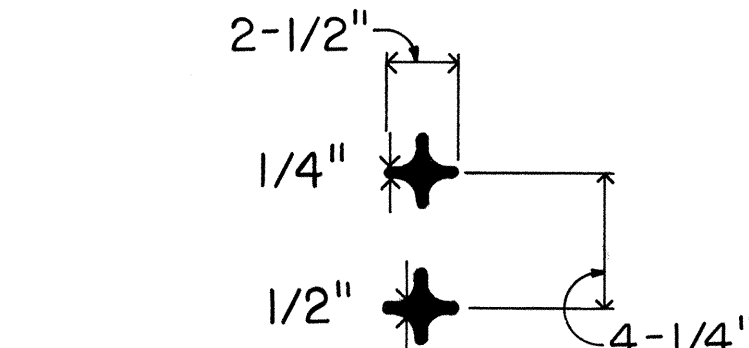
KEY



"Star-iron" Bracket



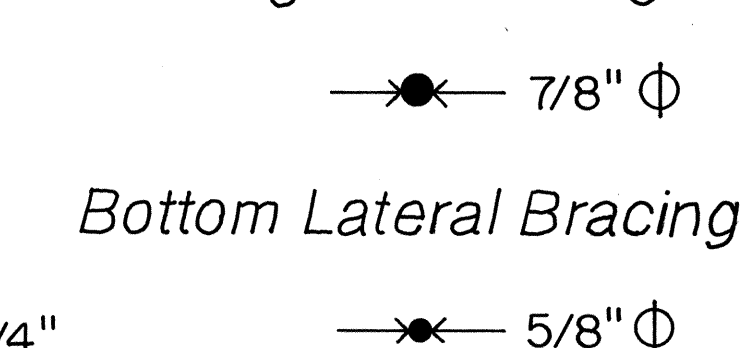
"Star-iron" Posts



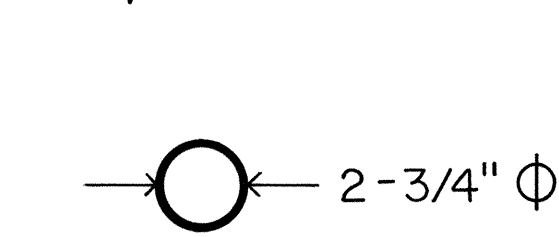
Top Lateral Bracing



Diagonal Bracing



Top Strut



Floor Beam

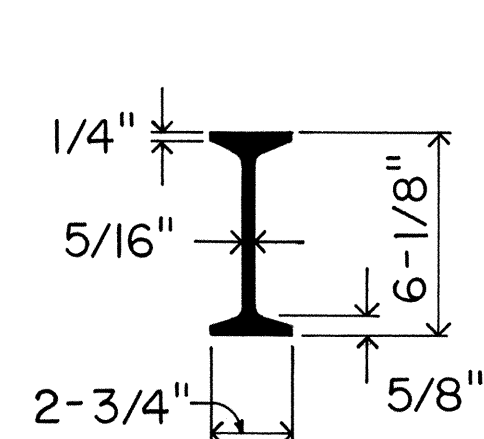
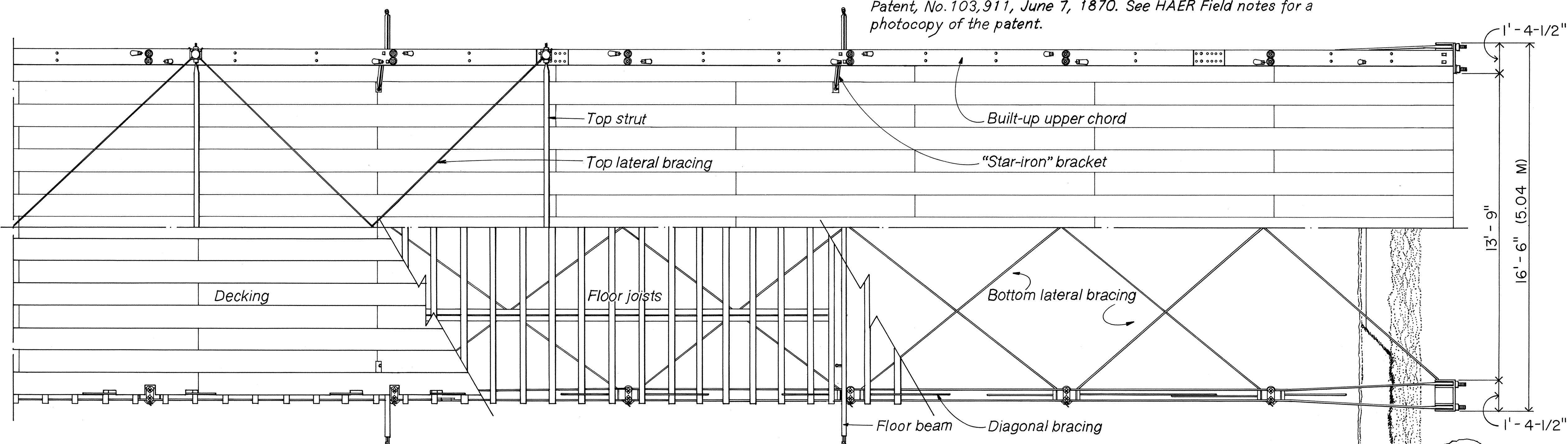


TABLE OF SECTIONS

Note: The interior configuration of the upper chord member is based on conjecture derived from drawings in the M. Miller Truss Bridge Patent, No. 103,911, June 7, 1870. See HAER Field notes for a photocopy of the patent.

Scale: 2" = 1'-0"



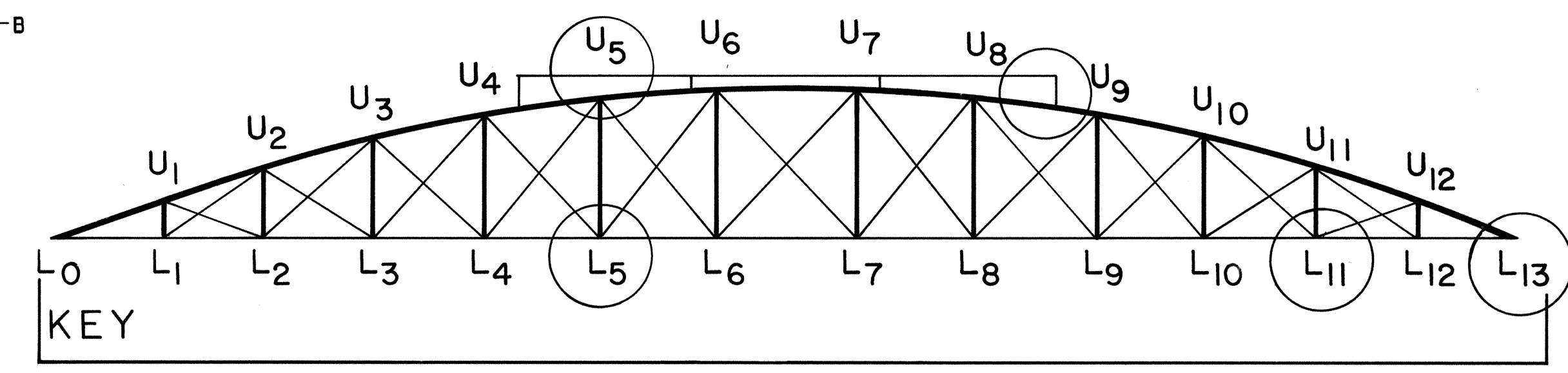
EAST UPPER/LOWER CHORD PLAN

Scale: 3/8" = 1'-0"

CONNECTIONS

Cast Iron Oblique Washer
Cast Iron Conical Wedge
Carriage Bolt

Carriage Bolt
5/8" ϕ Top Lateral Bracing
Splice Plate



2" x 2" "Star Iron" Post
7/8" ϕ Diagonal Bracing

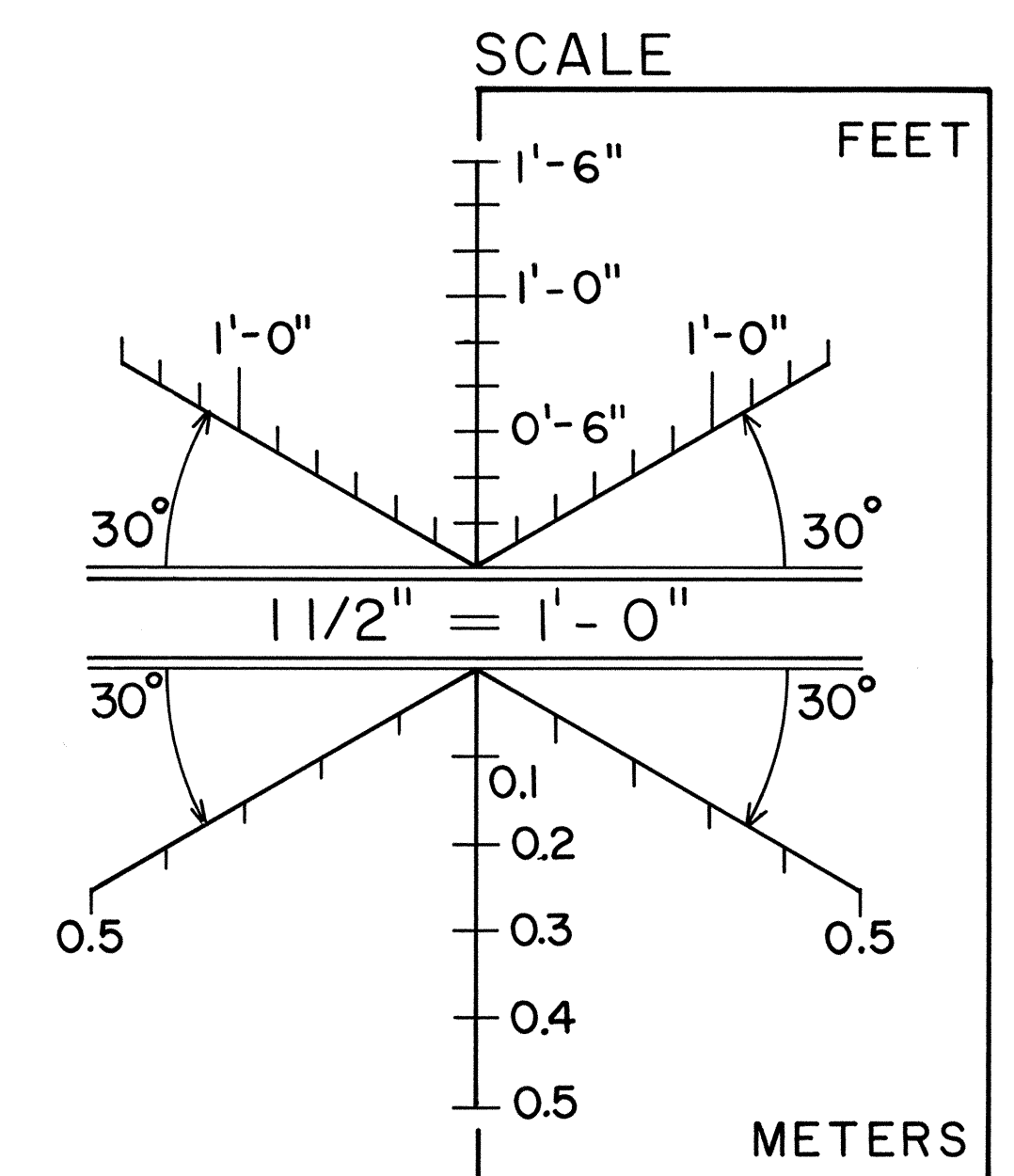
2-3/4" ϕ Strut Rod

LOCATED WEST OF U₉

Post for Top Lateral Bracing
Built-Up Wrought-Iron Top Chord

2-1/4" Sq. Nut

2" x 2" "Star Iron" Posts



2" x 2" "Star Iron" Bracket

2" x 2" "Star Iron" Bracket

6-1/8" Floor I-Beam

2-1/4" Sq. Nut

L₅

Pinned Lower Chord

7/8" ϕ Diagonal Bracing

Cast Iron Fitting

3" x 12" Wood Joists

2-1/4" Sq. Nut

Cast-Iron Fitting

L₁₁

7/8" x 6 1/2" Wrought-Iron Flat Bars

7/8" ϕ Diagonal Bracing

5/8" ϕ Bottom Lateral Bracing

Cast-Iron Fitting

L₁₃

Built-Up Wrought-Iron Top Chord

Cast-Iron Bearing Shoe

3-5/8" Sq. Nut