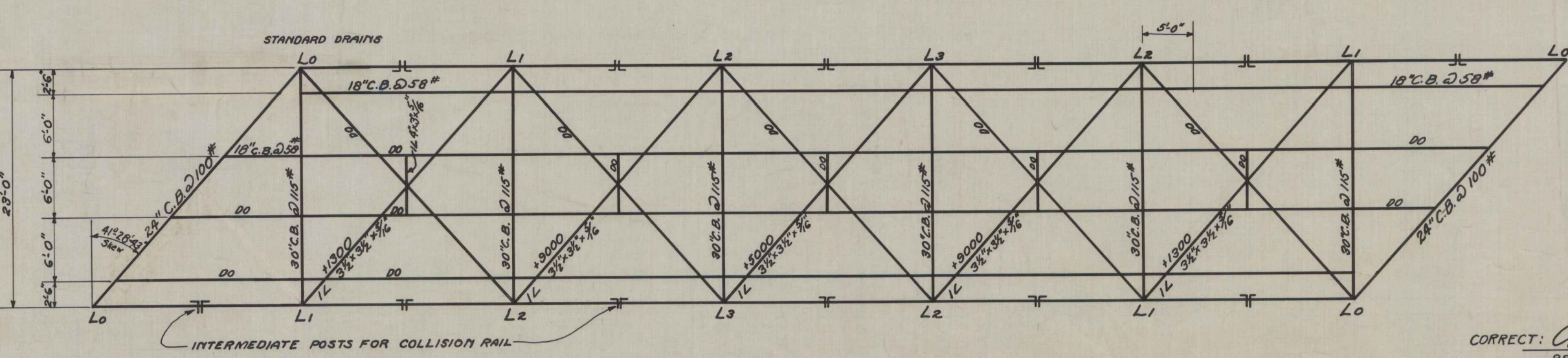
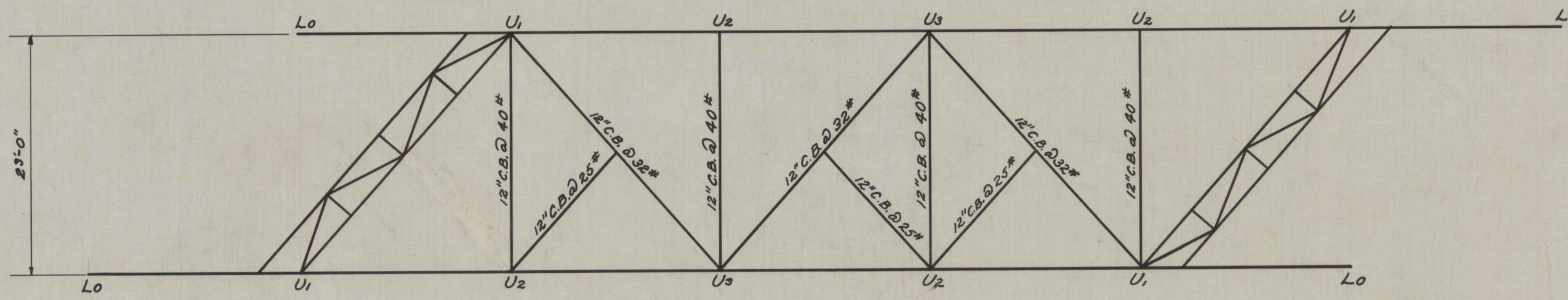
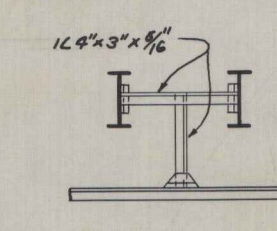


STRINGERS	
MOMENT	SHEAR
DL = 480,000 IN LBS.	8000
LL = 918,000 "	16000
T = 1,398,000 "	24000

FLOOR BEAMS	
MOMENT	SHEAR
DL = 218,000 IN LBS.	31000
LL = 2,118,000 "	27000
T = 2,336,000 "	58000

END FLOOR BEAM	
MOMENT	SHEAR
DL = 113,000 IN LBS.	16000
LL = 2,006,000 "	18000
T = 2,119,000 "	34000



FLOOR AND LOWER LATERAL SYSTEM
NOTE: SUPPORT LATERAL DIAGONALS FROM 4"x3"x3/8" TO CONNECTED TO STRINGER MEMS. DO NOT CONNECT LATERAL DIAGONALS TO BOTTOM FLANGE OF STRINGERS.

NOTES

FLOOR DESIGNED FOR DEAD LOAD - 8" CONCRETE SLAB + 25# FINISH ALONG WITH HEIGHT OF STEEL. LIVE LOAD - ROADWAY 2-15 TON TRUCKS 14'-0" AXLES; 6'-0" WHEELS; 85% OF LOAD ON REAR AXLE. IMPACT - STRINGERS 30% - FLOOR BEAMS 20% - END FLOOR BEAMS 35%. TRUSS DESIGNED FOR DEAD LOAD - CONCRETE FLOOR AND FINISH 1350 #/4 STEEL @ 50 = 1900 # PER LIN. FT. LIVE LOAD - TWO LAYERS N-15 A.S.H.O. SPEC. 1927 IMPACT - 10% L.S.S. WHERE L = AGGREGATE LOADED LENGTH. GUSSET PLATES 3/4" AT L₀ - 3/8" ELSEWHERE. RIVETS - 3/4" DIA. SPECIFICATIONS STANDARD SPECIFICATIONS FOR STEEL HIGHWAY BRIDGES U.S.A. BULLETIN NO. 150 SHALL APPLY TO ALL WORKMANSHIP AND MATERIALS AS REFERRED TO IN V.T. STANDARD ROAD AND BRIDGE SPECIFICATIONS 1928. REFERENCES FOR THIS BRIDGE USE THE FOLLOWING STANDARD DETAILS AND TYPES SHOWN ON SHEET S.B. STANDARD DETAILS NOS. S-2, S-5, S-6, S-10, S-12, S-13, S-15, S-21, S-17. WHEN BRIDGE CONSISTS OF MORE THAN ONE SPAN USE STANDARD DETAIL S-11 AT PIERS. ON S.B.2A TYPICAL DETAILS USE S-225, S-227, S-228. NOTE: BOTTOM CHORD SPLICES SHALL BE DETAILED OUTSIDE OF GUSSET PLATES AND AS CLOSE THERETO AS PRACTICABLE.

CORRECT: *A.D. Bishop*
BRIDGE ENGINEER

STEEL SUPERSTRUCTURE
122'-0" x 20" BEARINGS
20' ROADWAY 2-HIS
SKEW 41° - 20' - 43"

THIS SHEET USED FOR

ESTIMATED QUANTITIES

Surveyed by
Designed by A.D. Bishop
Drawn by C.A. Bishop
Traced by C.A. Bishop
Checked by H.W.H.
Series S-B-20 No. 122 Skew
Sheet 5 of 20 Sheets

Ford Bridge Warren, Vt.