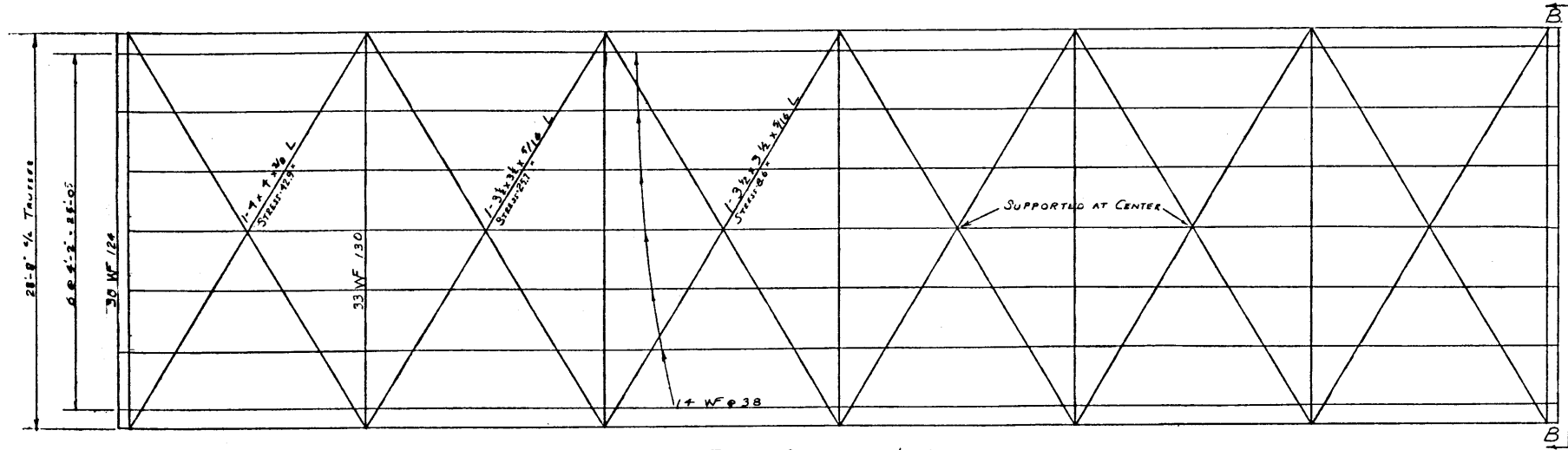
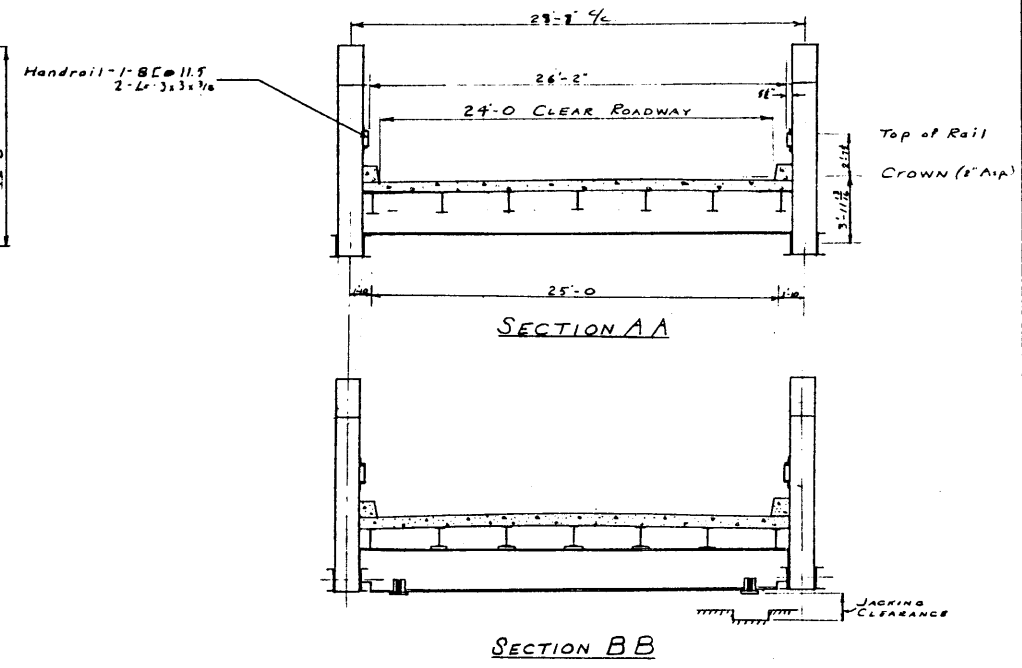
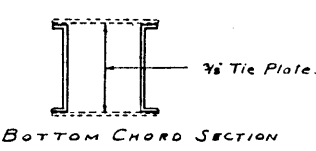
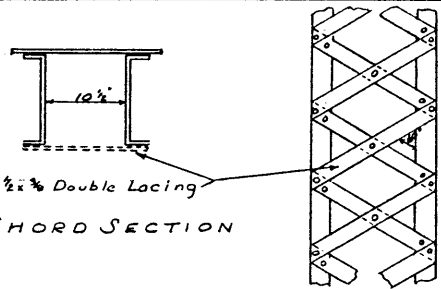
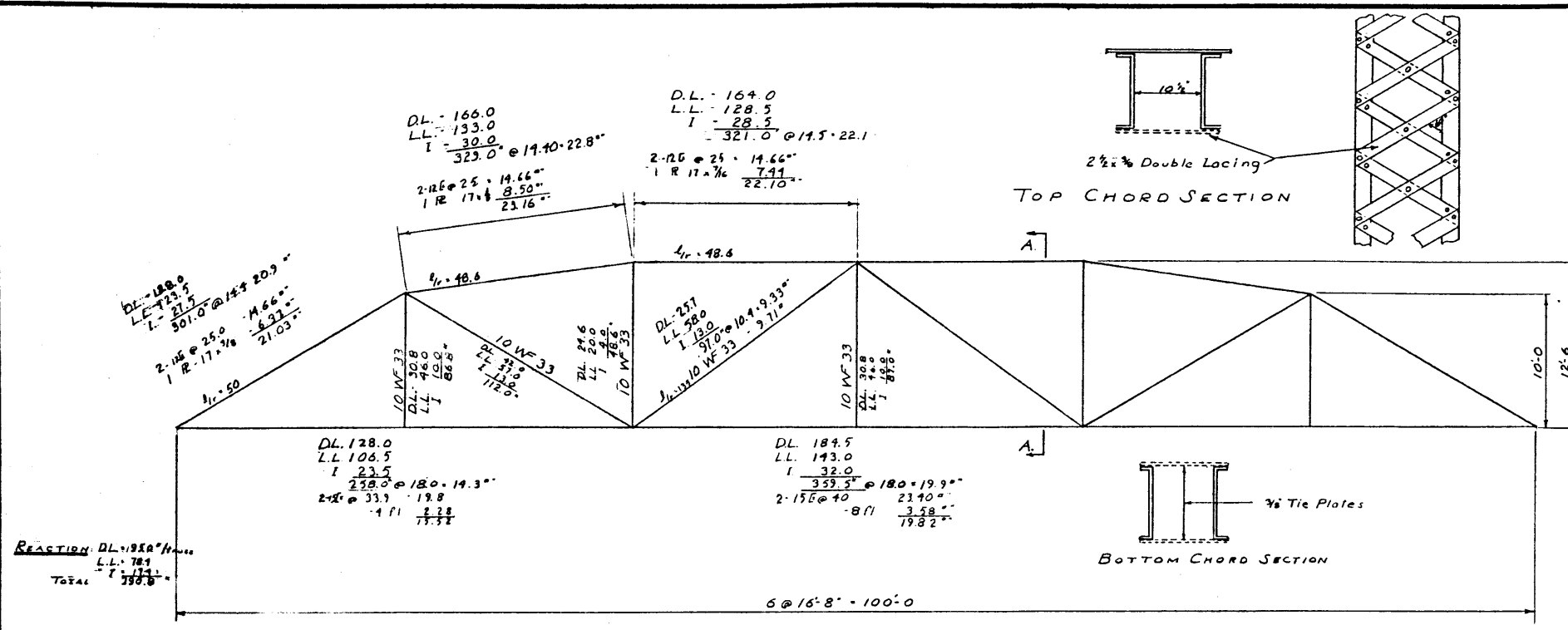


DESIGNED BY R.C.E. DATE JAN 25 1955
 CHECKED BY R.C.E. DATE JAN 27 1955



DESIGN DATA

DEAD LOAD:
 Deck - 5" Conc. + 2" Asp. - 1,288 #/ft
 Floor Steel & Handrail - 262
 Truss - 350
 Total - 1,900 #/ft

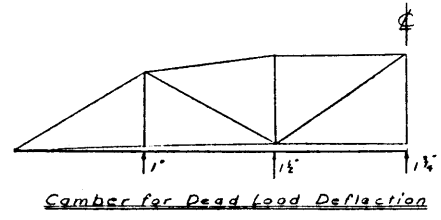
LIVE LOAD:
 For Floor - 2-H20-S16 Trucks
 For Truss - H20-S16 Trucks

WIND LOAD:
 30 #/sq ft on 1/2 times the area of structure (approx. 40% of entire elevation)

IMPACT:
 22.2% to Live Load for Truss
 30.0% to Live Load for Floor

SPECIFICATIONS:
 A.A.S.H.O. 1953
UNIT STRESSES:
 Tension - 18,000
 Compression - 15,000 - (1/4)
 Web Shear - 11,000
 Rivets - Shear - 13,500
 Bearing - 27,000

GENERAL:
 Rivets 3/4"
 Gusset Pl. 3/8" min.
 Shop Paint - One Coat Red Lead
 Steel - A.S.T.M. A750



STRINGERS:
 SHEAR: DL - 3.47
 LL - 14.30
 I - 4.30
 22.07 @ 11.0 - 2.01"

MOMENT: DL - 13.90
 LL - 52.25
 I - 15.75
 81.90
 S r/d - 81.90 - 4 - 54.6
 14 WF @ 38 S - 54.6
 Web Area - 4.12"

INTERMEDIATE FLOOR BEAMS:
 SHEAR: DL - 22.80
 LL - 79.92
 I - 15.00
 87.72 @ 11.0 - 7.97

MOMENT: DL - 159.0
 LL - 346.0
 I - 109.0
 609.0
 S r/d - 609.0 - 4 - 406
 33 WF @ 130 S - 404.8
 Web Area - 79.2"

END FLOOR BEAMS:
 MOMENT: DL - 63.6
 LL - 340.0
 I - 104.0
 513.6 - 4 - 343 - S r/d
 30 WF @ 124 S - 354.6

SHEAR: (Jacking Loads)
 SHEAR - 95.0
 MOMENT - 360 - 30 - 285.0"

NO.	DATE	DESCRIPTION	BY

100 FT. PONY TRUSS
 DESIGN SHEET

GOVERNMENT OF THE PROVINCE OF ALBERTA
 DEPARTMENT OF HIGHWAYS
 BRIDGE BRANCH, EDMONTON

FILE NO. _____ HWY. NO. _____ DWG. NO. _____
 LOCATION _____ SCALE _____ S-590
 STREAM _____ SHEET _____ OF _____