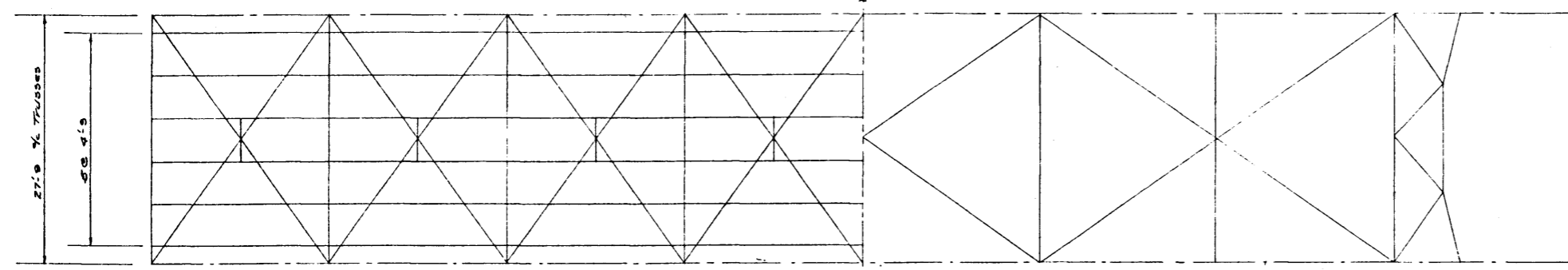
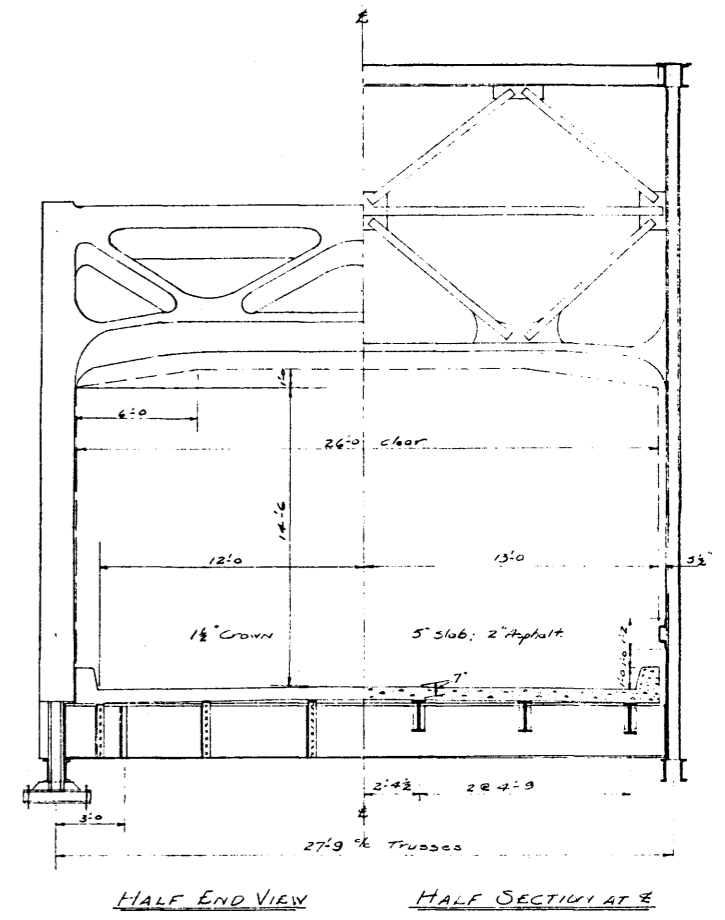
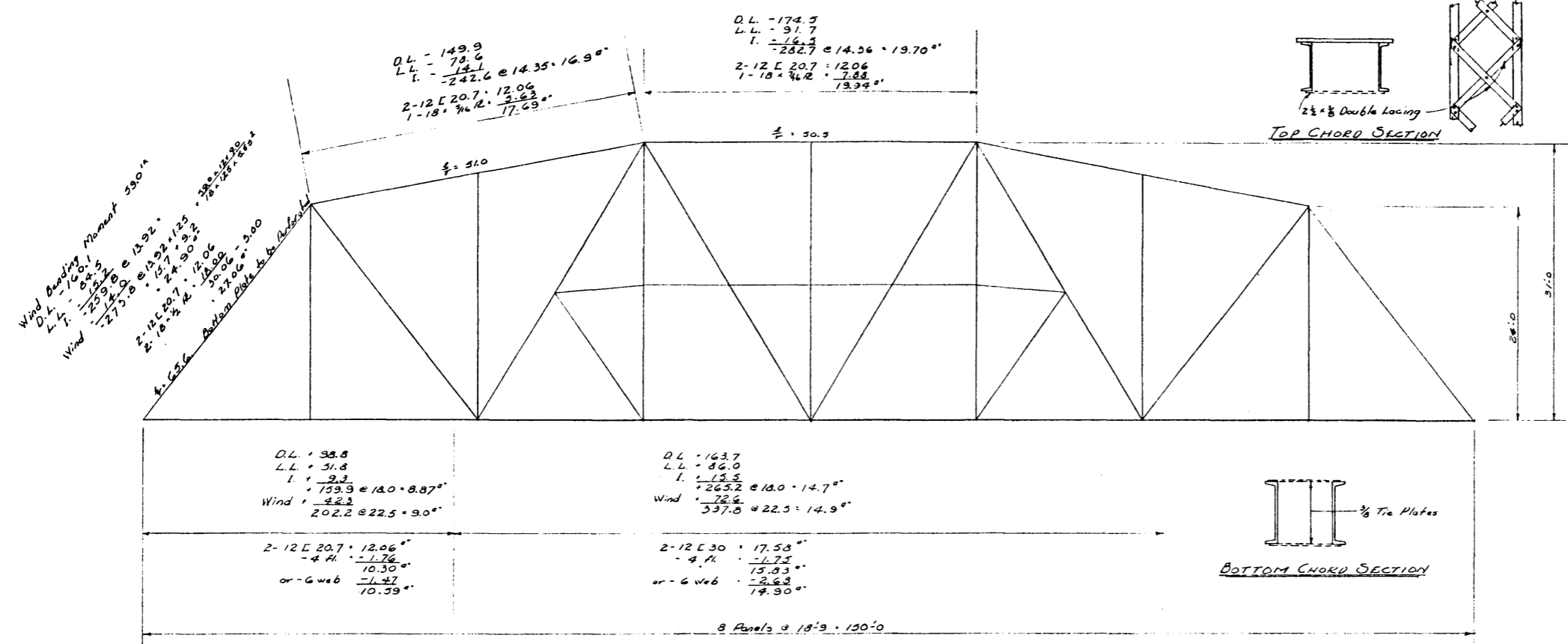


DESIGNED BY _____ DATE _____ 19____
 DETAILED BY _____ DATE _____ 19____
 CHECKED BY _____ DATE _____ 19____



DESIGN DATA

DEAD LOAD:
 Deck - 5" con + 2" asph. = 1288#/ft
 Floor steel & handrail = 275
 Truss
 Total = 1411#/ft

LIVE LOAD:
 For floor - 1- H20-316 Truck
 For truss - 690#/lineal ft. of loaded lane plus 18,000" conc. load for moment or 26,000" for shear

WIND LOAD:
 Top chord - 150" / lin. ft.
 Bottom chord - 300" / lin. ft.
 Live load - 200" / lin. ft. applied 6'-0" above roadway.

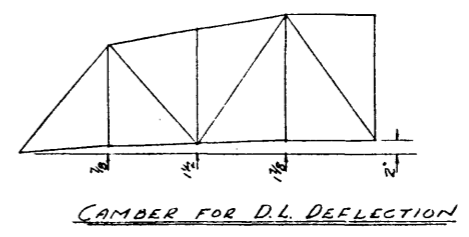
IMPACT:
 18.0% to live load for truss
 30.0% to live load for floor

SPECIFICATIONS:
 A.S.H.O. 1953

UNIT STRESSES:
 Tension - 18,000"/in.²
 Compression - 15,000" - 4(2)" / in.²
 Web shear - 11,000"/in.²
 Rivets - shear - 13,500"/in.²
 - bearing - 27,000"/in.²
 Unit stresses increased 25% for U.L. + L.L. + Impact + Wind

GENERAL:
 Rivets - 3/4"
 Gussaf Plates - 3/8" min
 Shop paint - we coat red lead

STRINGERS	INTERMEDIATE FLOOR BEAM	END FLOOR BEAM
SHEAR:	SHEAR:	SHEAR:
D.L. 4.35	D.L. 28.2	D.L. 28.2
L.L. 18.40	L.L. 42.1	L.L. 42.1
I. 5.32	I. 12.6	I. 12.6
20.27 @ 11.0° - 2.60°	82.9 @ 11.0° - 7.6°	
MOMENT:	MOMENT:	
D.L. 20.4	D.L. 198.0	
L.L. 71.3	L.L. 374.0	
I. 26.3	I. 112.2	
113.1	682.2	
3 rpd. 481.12 / 18 = 75.5	3 rpd. 932.2 * 12 = 455.	
16 W 50	30 W 170	
5' 80.7	5' 328	
Web area = 6.16°	Web area = 19.6°	



NO.	DATE	DESCRIPTION	BY

STANDARD 150' THROUGH SPAN TRUSS DESIGN SHEET

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

FILE NO. _____ HYW. NO. _____ DWG. NO. _____
 LOCATION _____ SCALE _____ SHEET _____ OF _____
 STREAM _____ SHEET _____ OF _____

5 582

ALTA U. RECORDS SERVICE
 11/19/2008