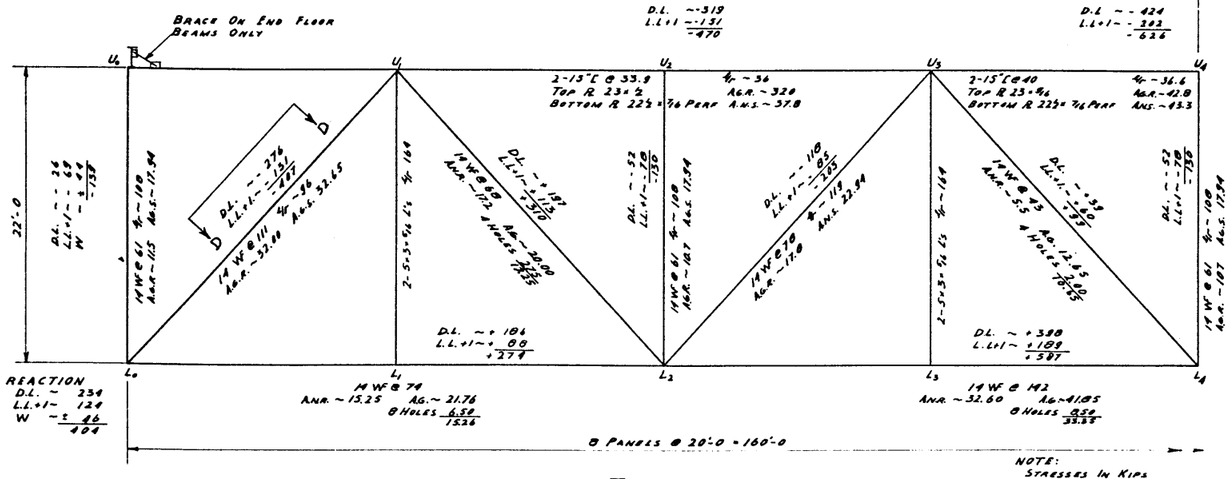
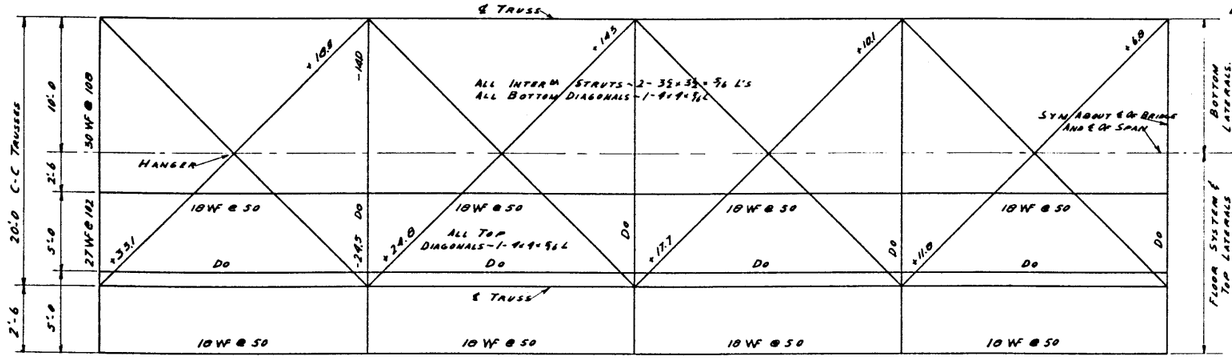
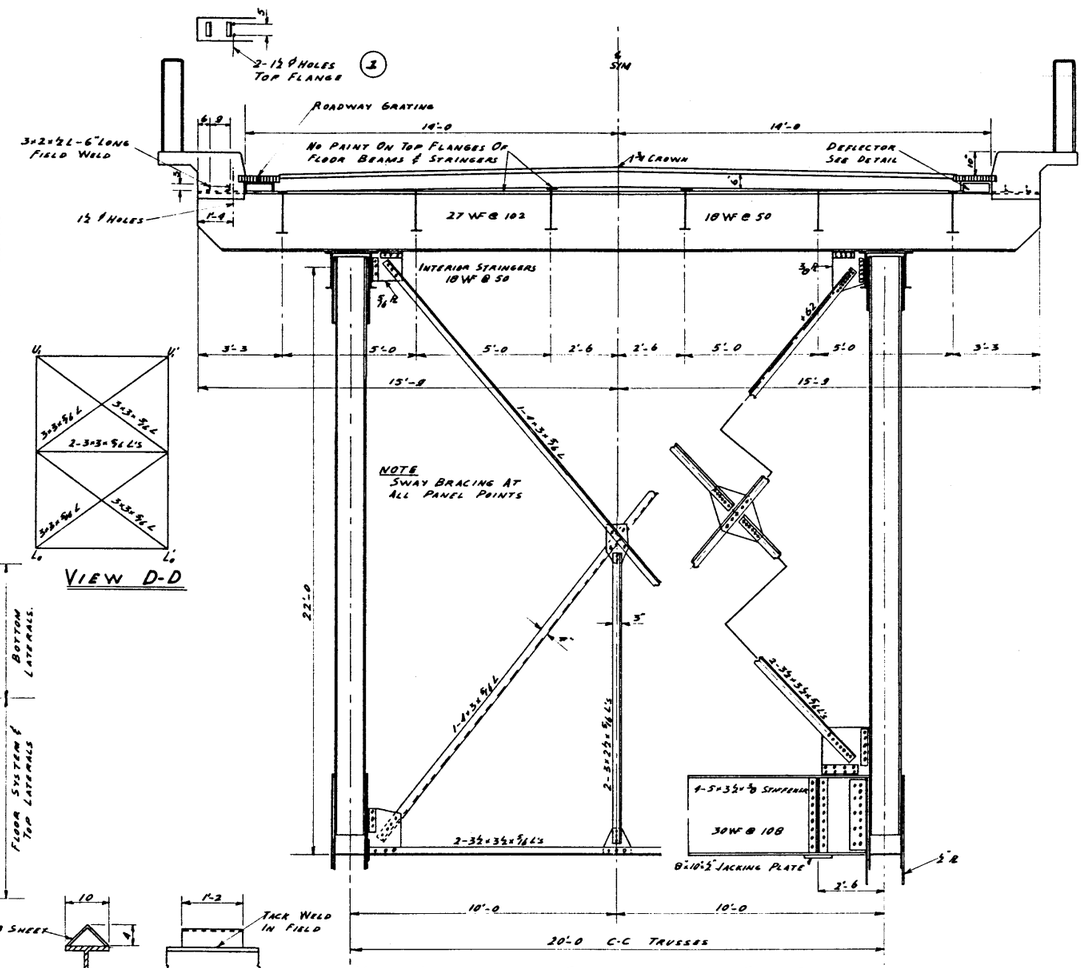


TRUSS DESIGN

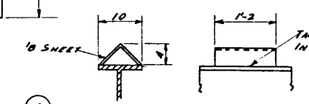


FLOOR SYSTEM AND TOP AND BOTTOM LATERALS

VIEW D-D



HALF INTERMEDIATE SECTION — HALF END SECTION



(1) DEFLECTOR DETAIL

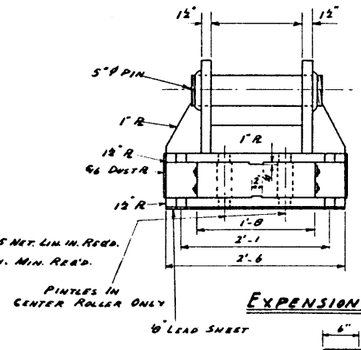
14 Req'd Scale ¾" = 1'-0

STRINGERS
D.L. Moment 27.5
L.L.+I Moment 104.0
131.5
Sx. 131.5 x 12 / 18 = 87.5
18 WF @ 50 Ss = 89.0

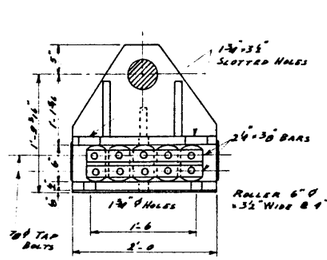
FLOOR BEAMS
D.L. Moment 47.0
L.L.+I Moment 342.0
389.0
Sx. 389 x 12 / 18 = 260
27 WF @ 102 Ss = 266.3

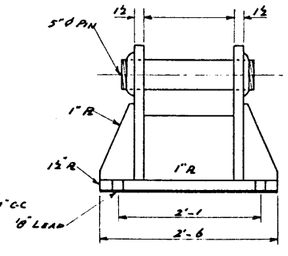
JACKING GIRDER
Jacking Load 234
Moment 583
Sx. 583 x 12 / 24 = 292
18 WF @ 108 Ss = 293

BEARING
6" ℄ Rollers - 350 / 3½ ~ 99.5 Net Lin. In. Req'd.
Bearing R - 350 Sq. In. Min. Req'd.

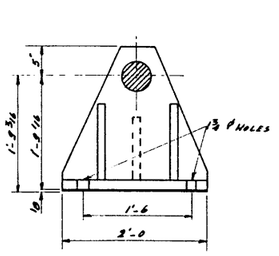


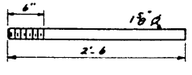
EXPENSION BEARING DETAILS





FIXED BEARING DETAILS





ANCHOR BOLT

16 Req'd Nut & Washer To Be Supplied

GENERAL NOTES

DEAD LOAD	Concrete	1600
	Asphalt	350
	Floor Steel & Fence	320
	Truss & Bracing	650
	Total	2920 #/Ft. Truss
LIVE LOAD	For Floor - 2 Std. H20 S16 Trucks	
	For Truss - 640 #/Lin. Ft. Of Load Lane	
	Combined With 18 #/Lane For Moment	
	Or 26 #/Lane For Shear, Plus Impact	
WIND LOAD	350 #/Lin. Ft. Top Chord	
	200 #/Lin. Ft. Bottom Chord	
SPECIFICATIONS	A.A.S.H.O. 1953	
RIVETS	⅞" ℄ For Main Members	
	¾" ℄ For Bracing	
GUSSETS	⅜" Thick Minimum Except 5/16 For Bracing	
PAINT	Paint All Steelwork One Shop Coat Red Lead Except Where Noted	
CAMBER	For Full Dead Load Plus ½ Live Load Without Impact	

NO.	DATE	DESCRIPTION	BY
4			
3			
2			
1	Sept 9/57	Retraced	F.N.

REVISIONS

DESIGNED BY _____ DATE _____
DETAILED BY _____ DATE _____
CHECKED BY _____ DATE _____

160' Deck Truss

Stresses, Sections & Details

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

FILE NO. _____ HWY. NO. _____
LOCATION _____ SCALE _____
STREAM _____ SHEET _____ OF _____
DWG. NO. S.606-A

AT A.U. - RECORDS CENTRE
P180728