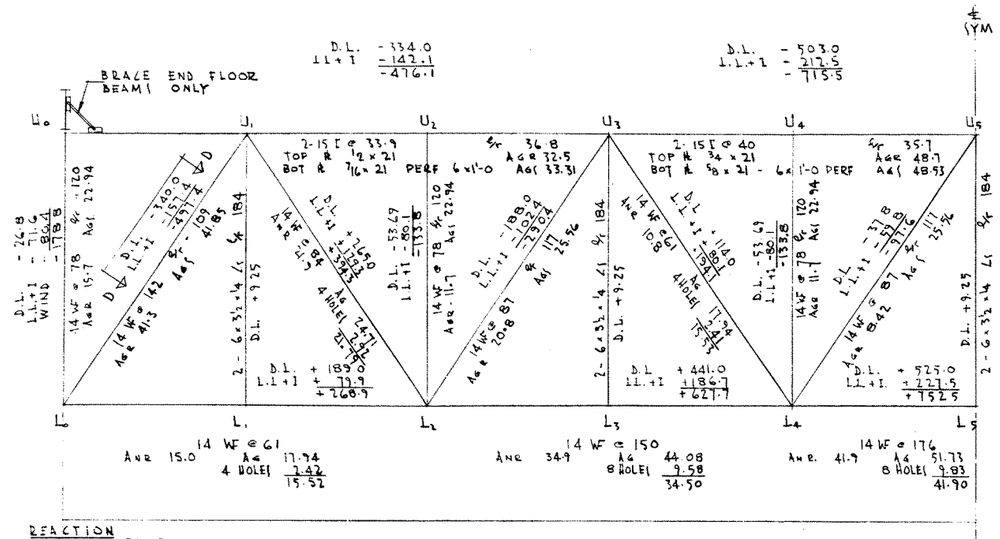
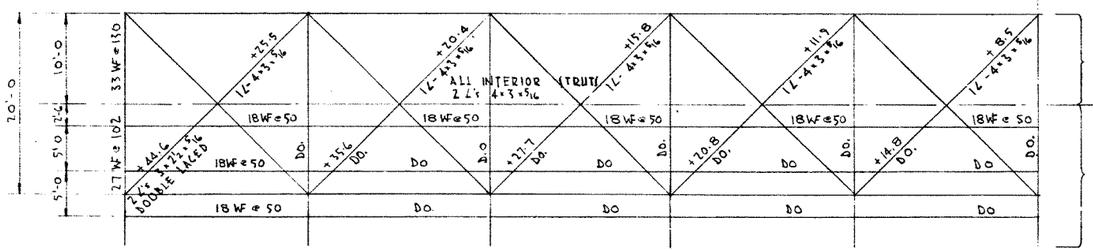


TRUSS DESIGN

SCALE - 1/8" = 1'-0



FLOOR SYSTEM AND TOP AND BOTTOM LATERALS

SCALE - 1/8" = 1'-0

STRINGERS
D.L. MOMENT 27.5
L.L.+I MOMENT 104
131.5
S (R 131.5 x 12 / 18 = 87.5
18 WF @ 50 S 89.0

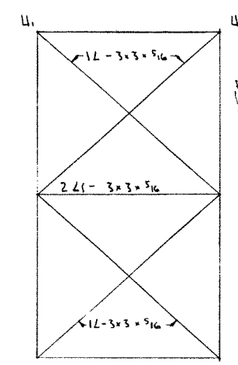
FLOOR BEAMS
D.L. MOMENT 47
L.L.+I MOMENT 342
389
S (R 389 x 12 / 18 = 260
27 WF @ 102 S 266.3

JACKING GIRDER
JACKING LOAD 310
MOMENT 310 x 2.5 = 775
S (R 775 x 12 / 27 = 344
(SHEAR R 310 - 16.5 = 18.8
33 WF @ 150 S 404.8
A 19.2

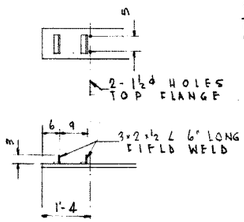
BEARING
6" ROLLERS 456.4 / 24 = 19.0 NET LIN. IN. REQ'D
BEARING R 456.4 / 50 IN. MIN

PIN BEARING
BEARING R 456.4 / 24 = 19.0
A1 = 20.0
(SHEAR R 456.4 / 2 x 13.5 = 16.9
A1 = 19.6
BENDING - M = 10.6
S = 12.3

DESIGNED BY HARRIS 19..
DETAILED BY DATE Nov 10 19.55
CHECKED BY DATE 19..

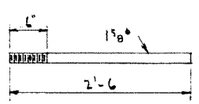


VIEW D-D



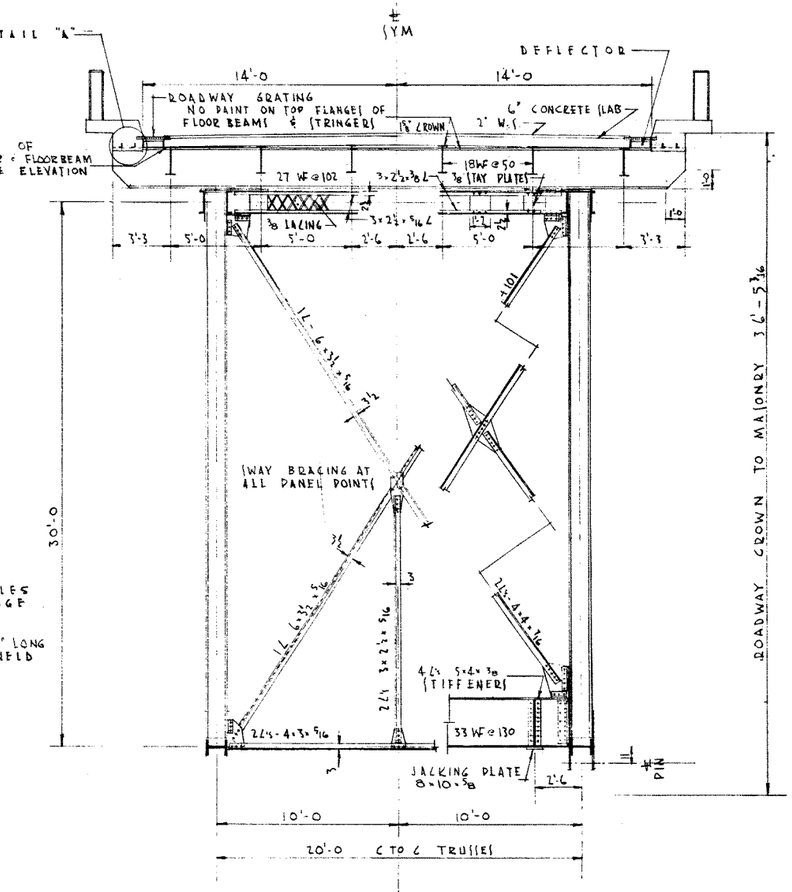
(3) DETAIL "A"

SCALE 1" = 1'-0



ANCHOR BOLT

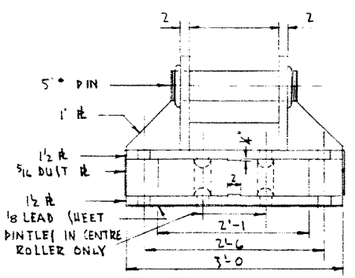
16 REQ'D - NUT & WASHER TO BE SUPPLIED

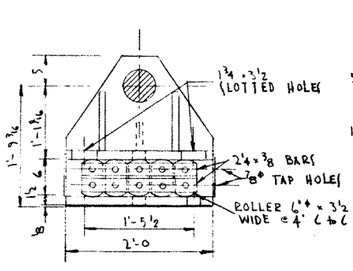


HALF INTERMEDIATE (ECTION HALF END (ECTION

EXPANSION BEARING DETAILS

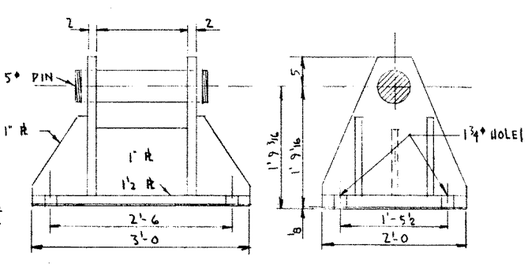
SCALE 1" = 1'-0

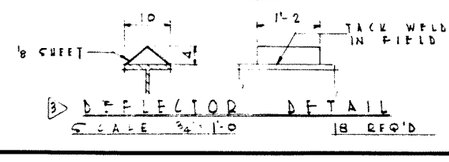




FIXED BEARING DETAILS

SCALE 1" = 1'-0





(3) DEFLECTOR DETAIL

SCALE 3/4" = 1'-0 18 REQ'D

GENERAL NOTES

DEAD LOAD	CONCRETE	1600
	ASPHALT	350
	FLOOR (TEEL & FENCE	285
	TRUSS & BRACING	868
	TOTAL	3103 #/FT OF TRUSS
LIVE LOAD	FLOOR - 2 (TD H 20-(16 TRUCKS	
	TRUSS - 640 #/LIN FT OF LOAD LANE COMBINED WITH 18# LANE FOR MOMENT OR 24# LANE FOR (HEAR, + IMPACT	
(PECIFICATIONS	A.A.(.H.O 1953	
(RIVETS	7/8" ø FOR MAIN MEMBERS, 3/4" ø FOR BRACING	
GUSSETS	3/8" THICK MINIMUM EXCEPT 5/16" FOR BRACING	
PAINT	ALL (TEELWORK ONE (HOP COAT RED LEAD EXCEPT AS NOTED	
CAMBER	FOR FULL DEAD LOAD + 1/2 LIVE LOAD WITHOUT IMPACT	
WIND LOAD	350 #/LIN. FT. TOP CHORD	
	200 #/LIN FT. BOTTOM CHORD	

SUPERSEDED

NO.	DATE	DESCRIPTION	BY
4			
3	AUG 22/56	AS NOTED	HAL
2	9/1/56	CHANGE CAMBER & DEFLECTOR DETAILS	HAL
1	30/11/55	CHANGE CENTRE TO CENTRE HEIGHT	HAL

REVISIONS

DATE NO OF (PANS LOCATION

200' DECK TRUSS
30'-0 CHORD DEPTH
(TRESS(ES) - (ECTION(S) - DETAILS

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

FILE NO. HWY. NO.
LOCATION SCALE
STREAM SHEET OF
DWG. NO. 615