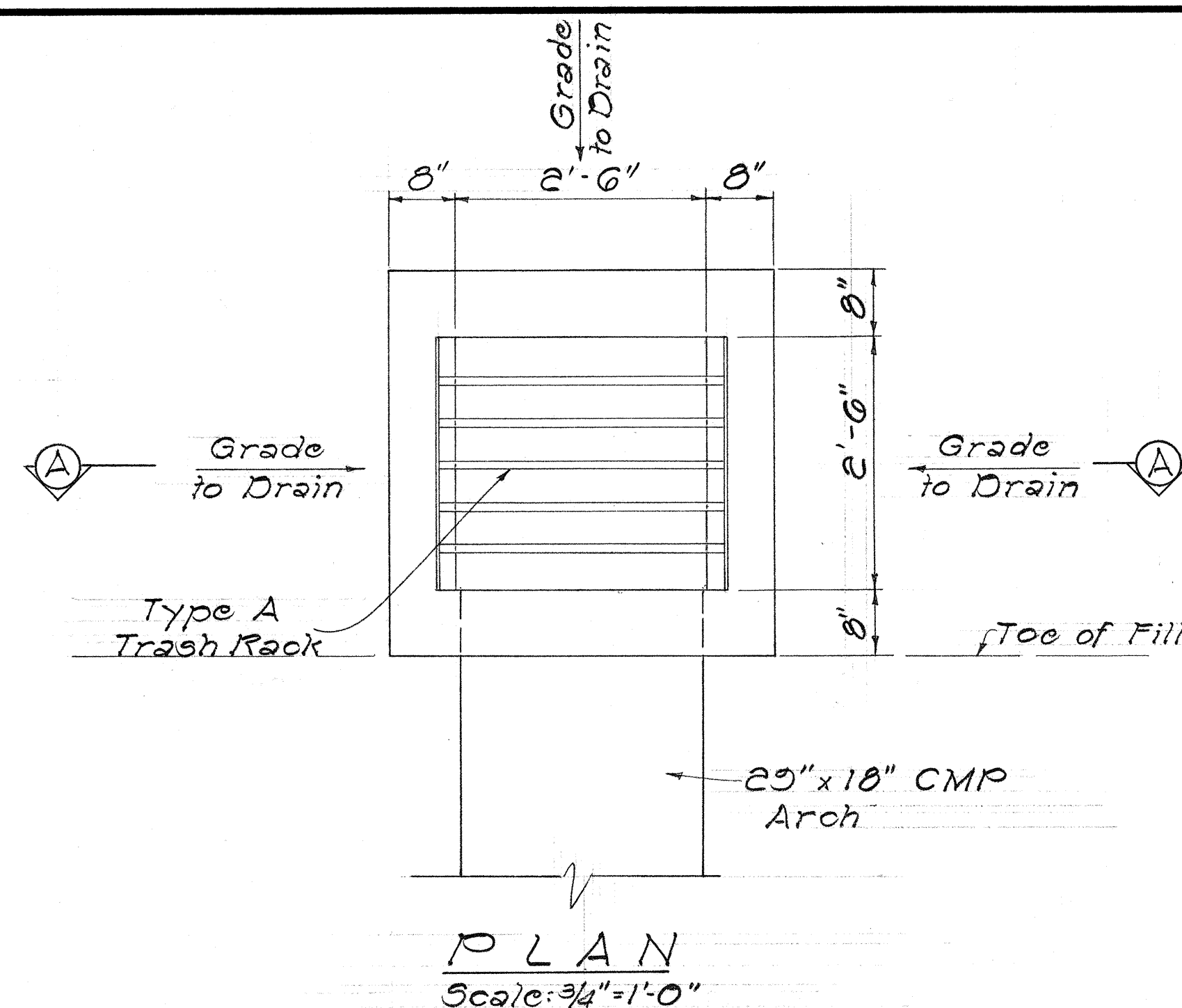
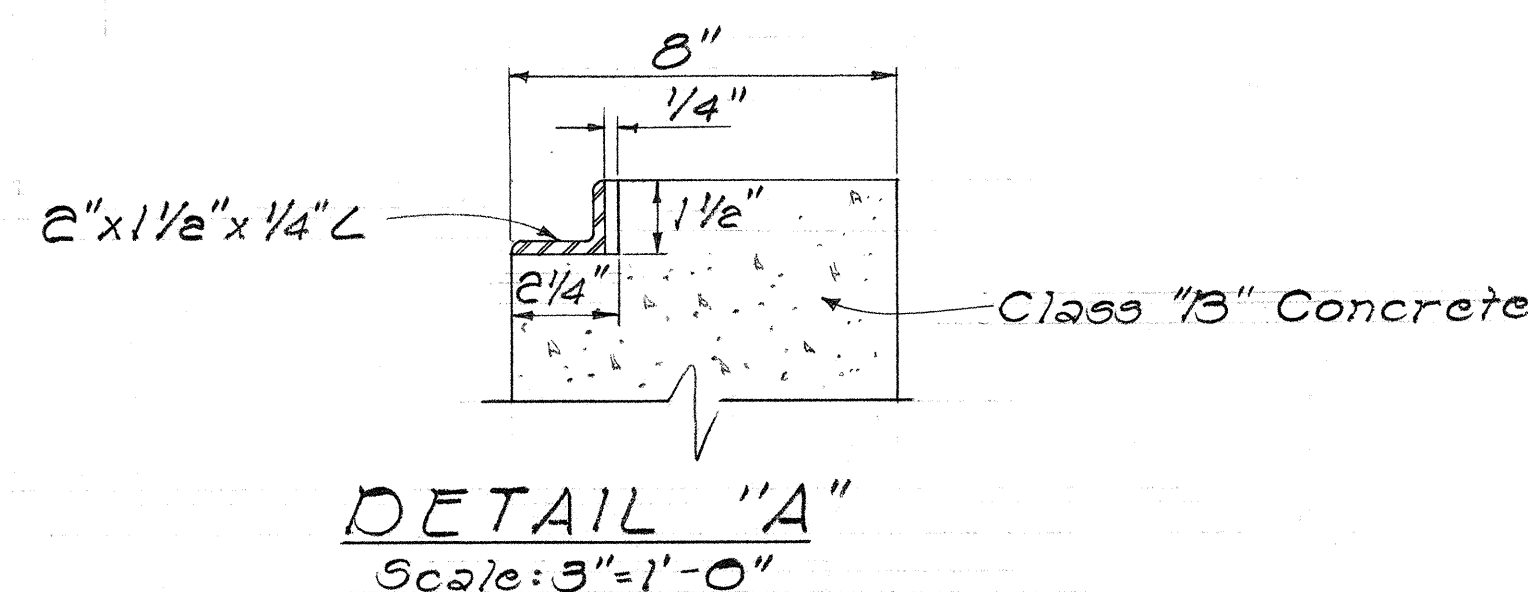
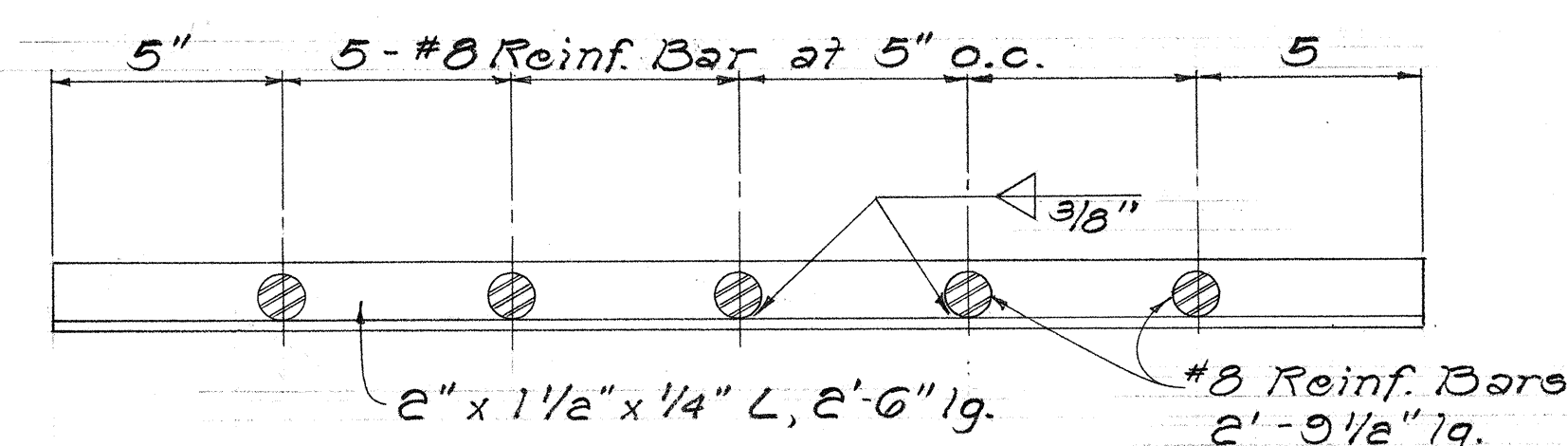
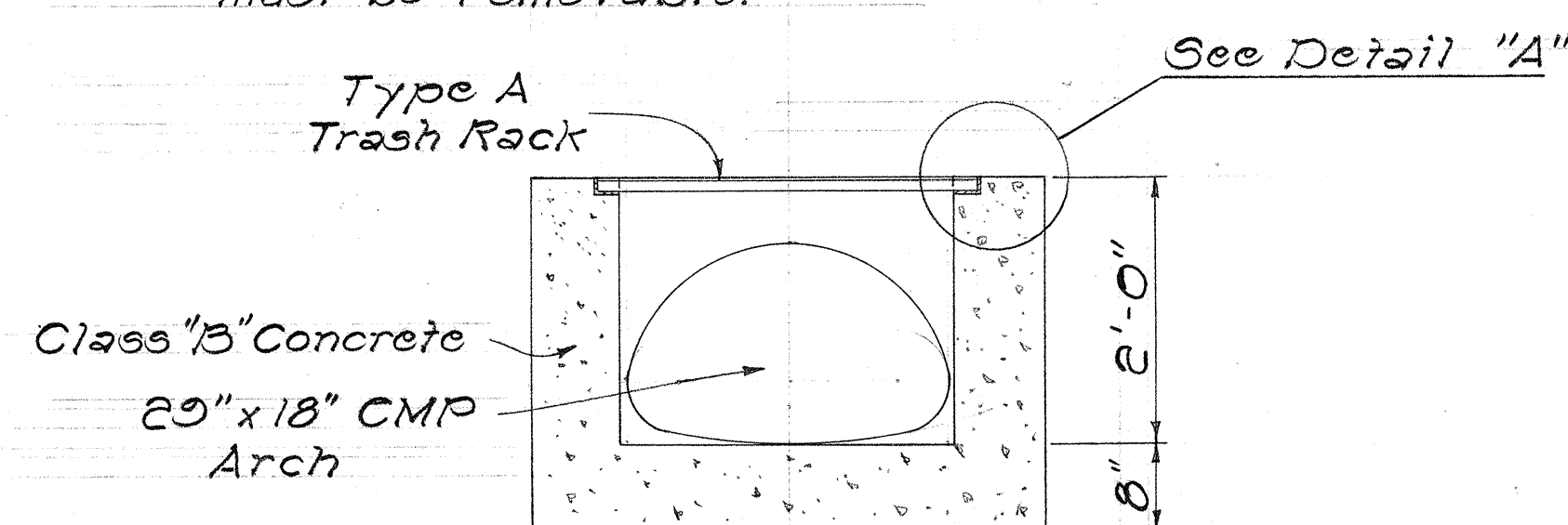


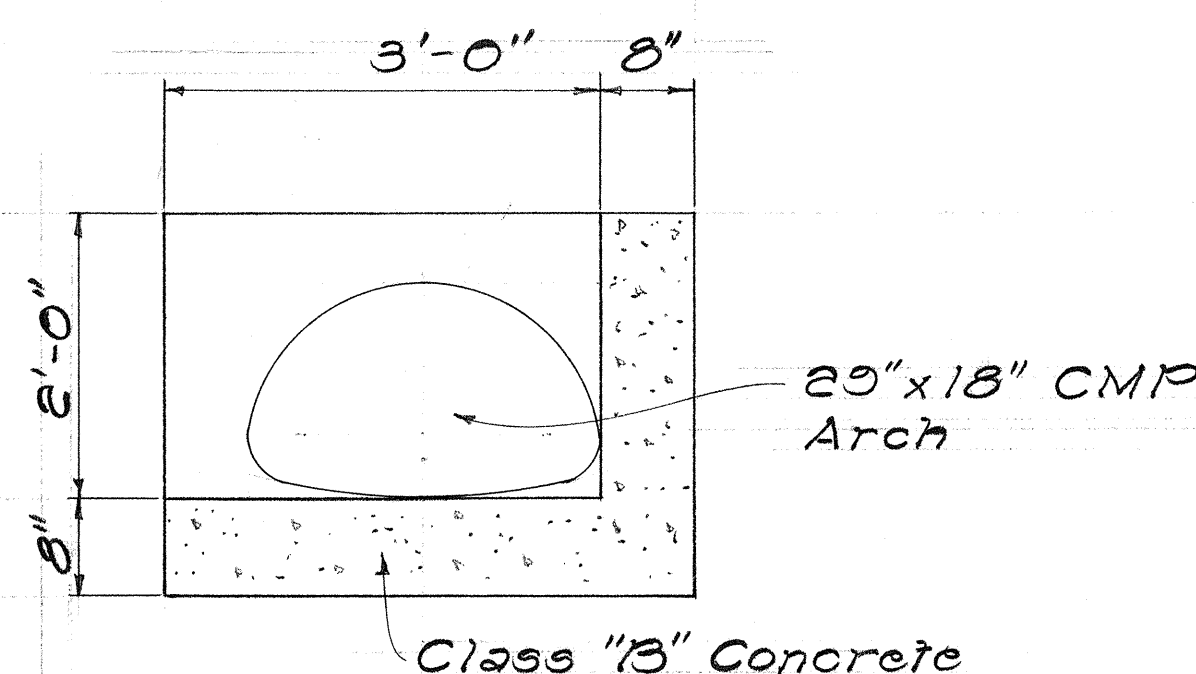
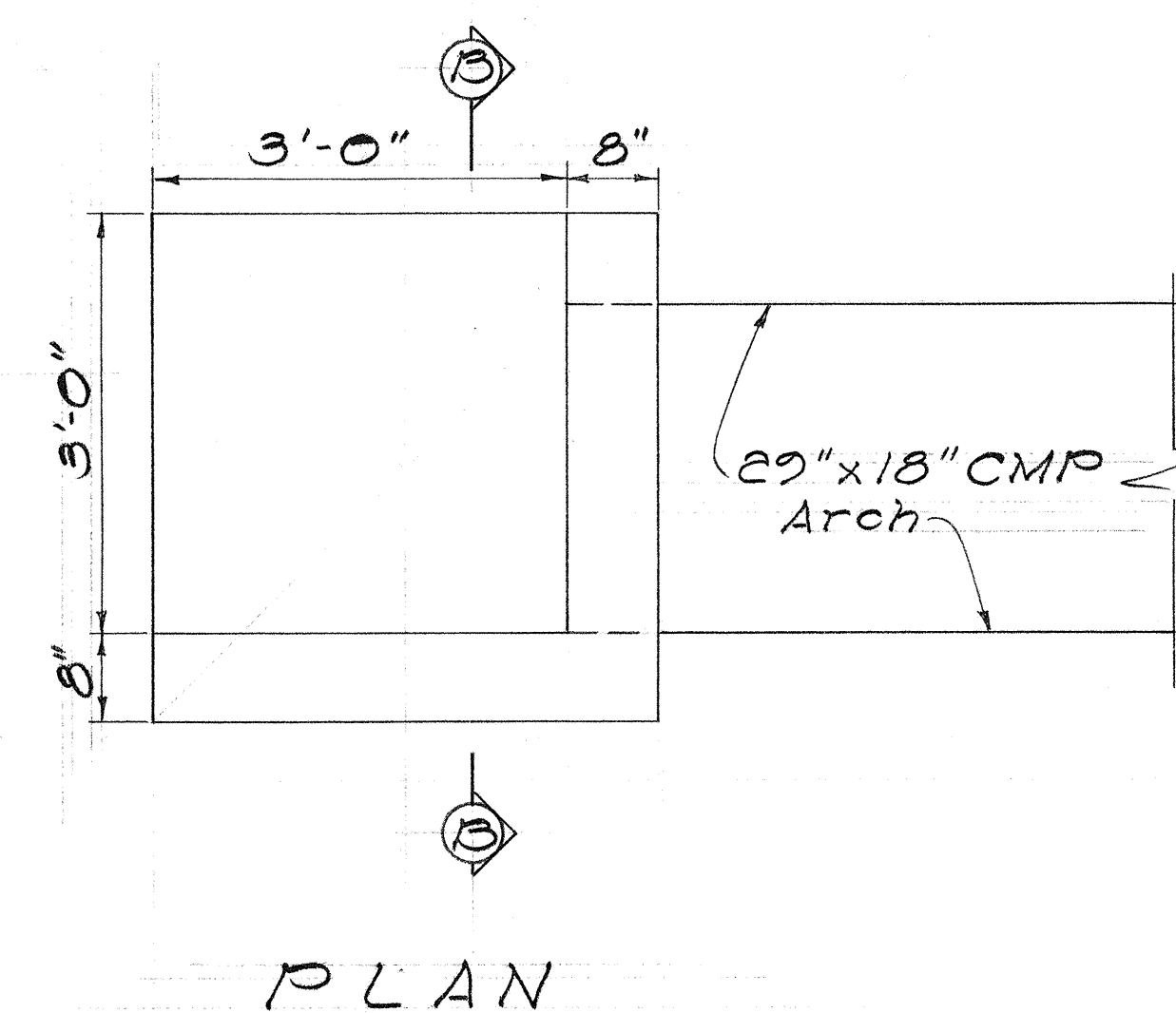
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H-2-1(15):0	1974	12	54



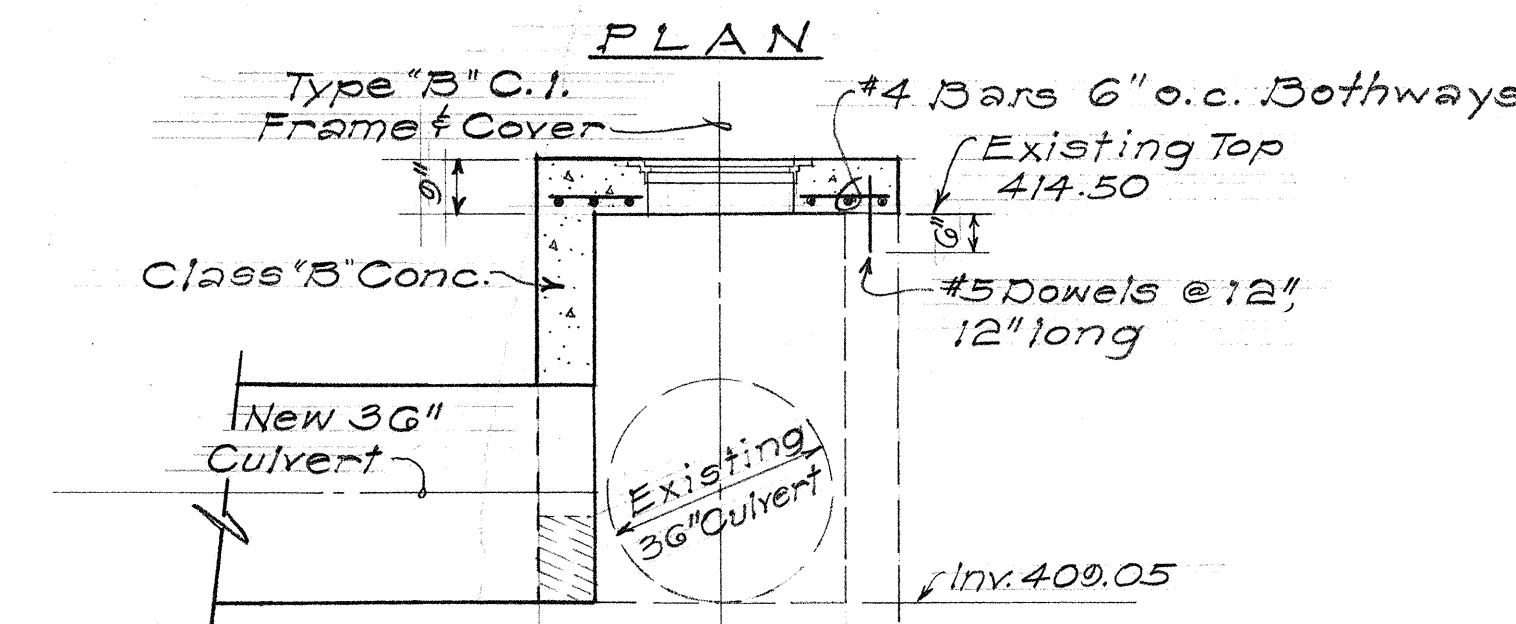
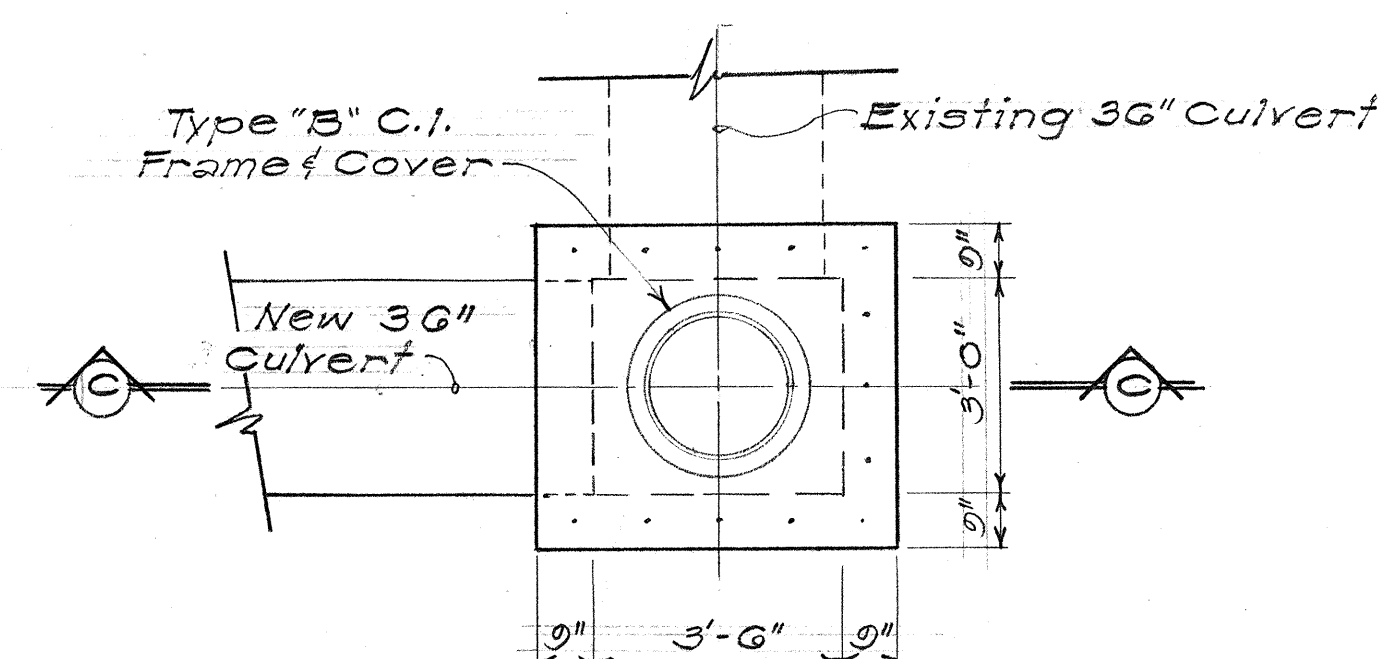
NOTE: Type "A" Trash Rack must be removable.



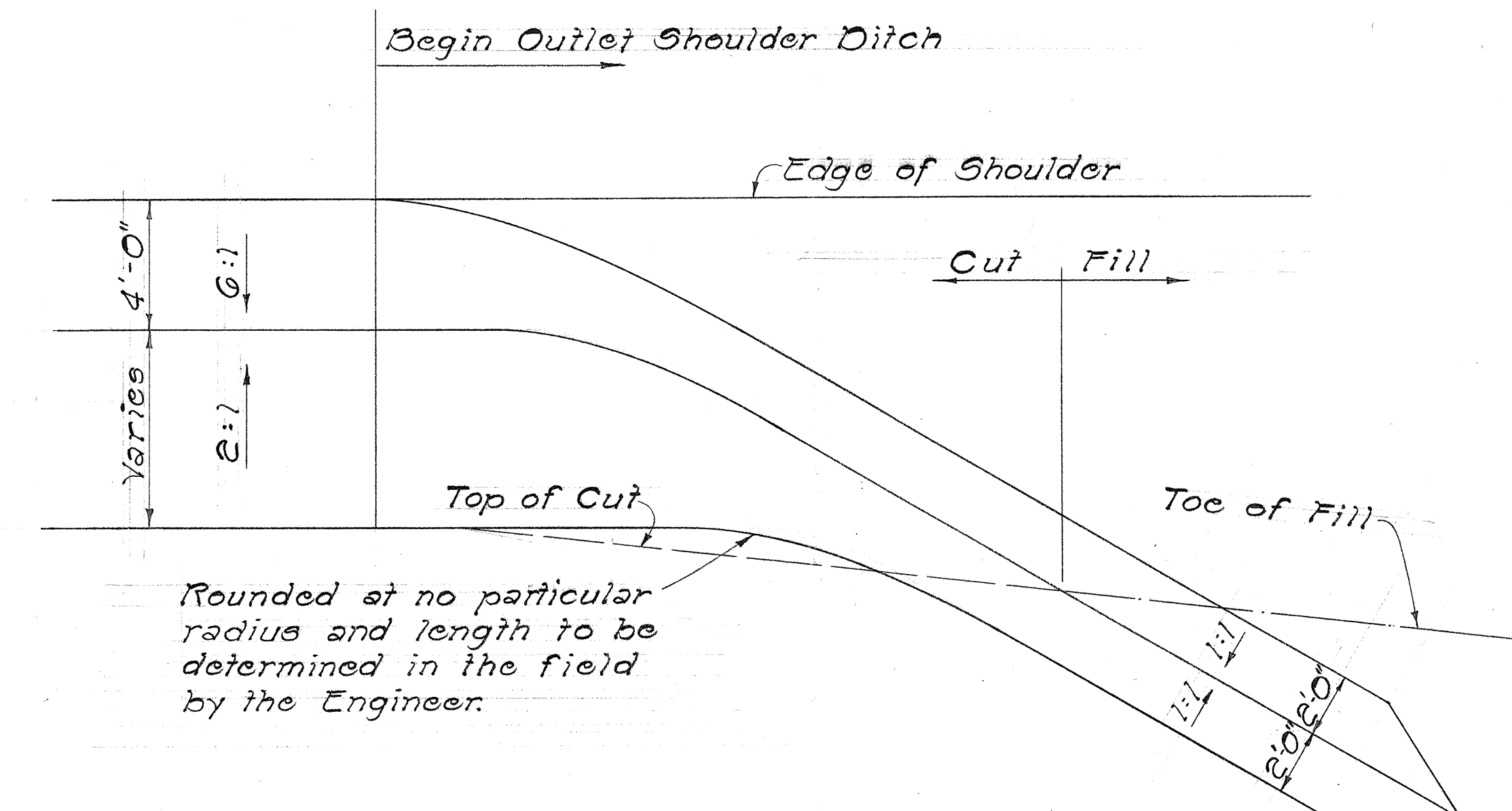
CONCRETE DROP INTAKE AT & STA. 6+50 7+00



INLET STRUCTURE AT & STA. 28+00 Scale: 3/4" = 1'-0"

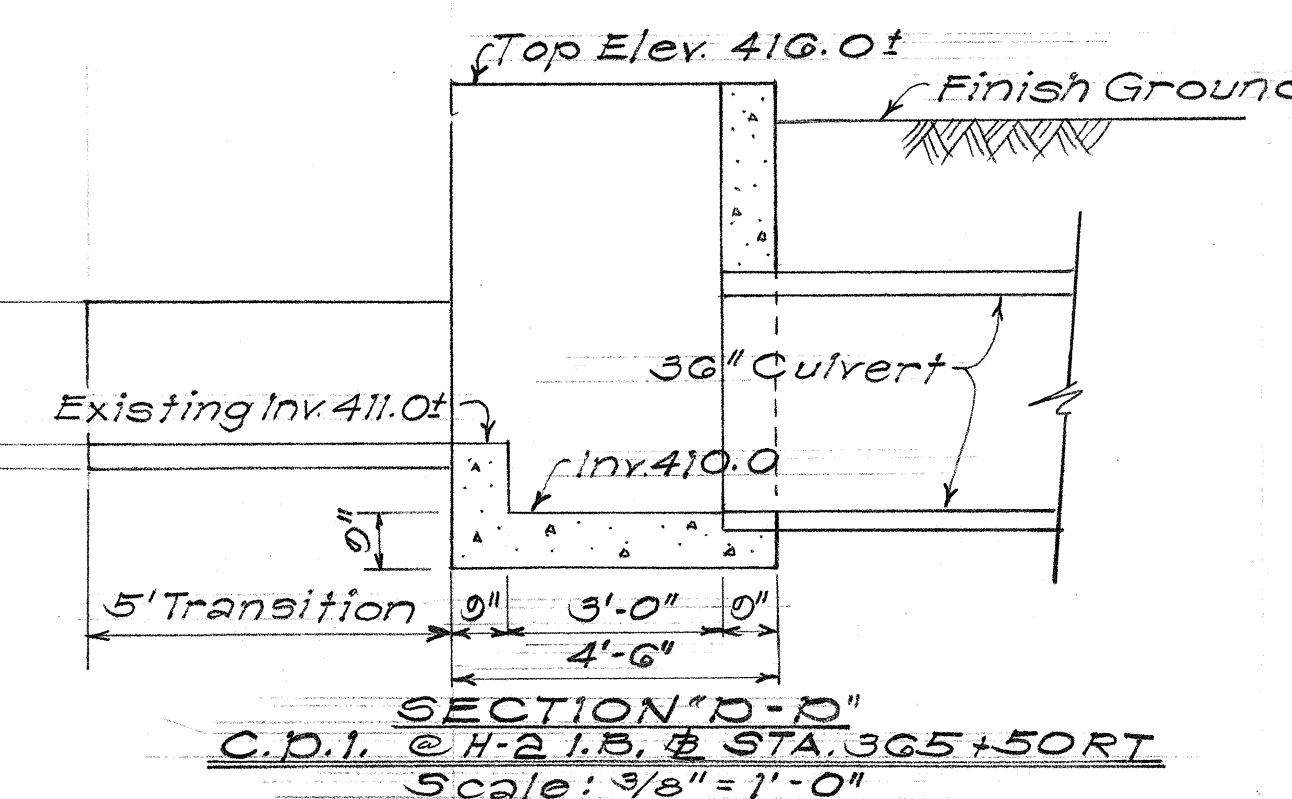
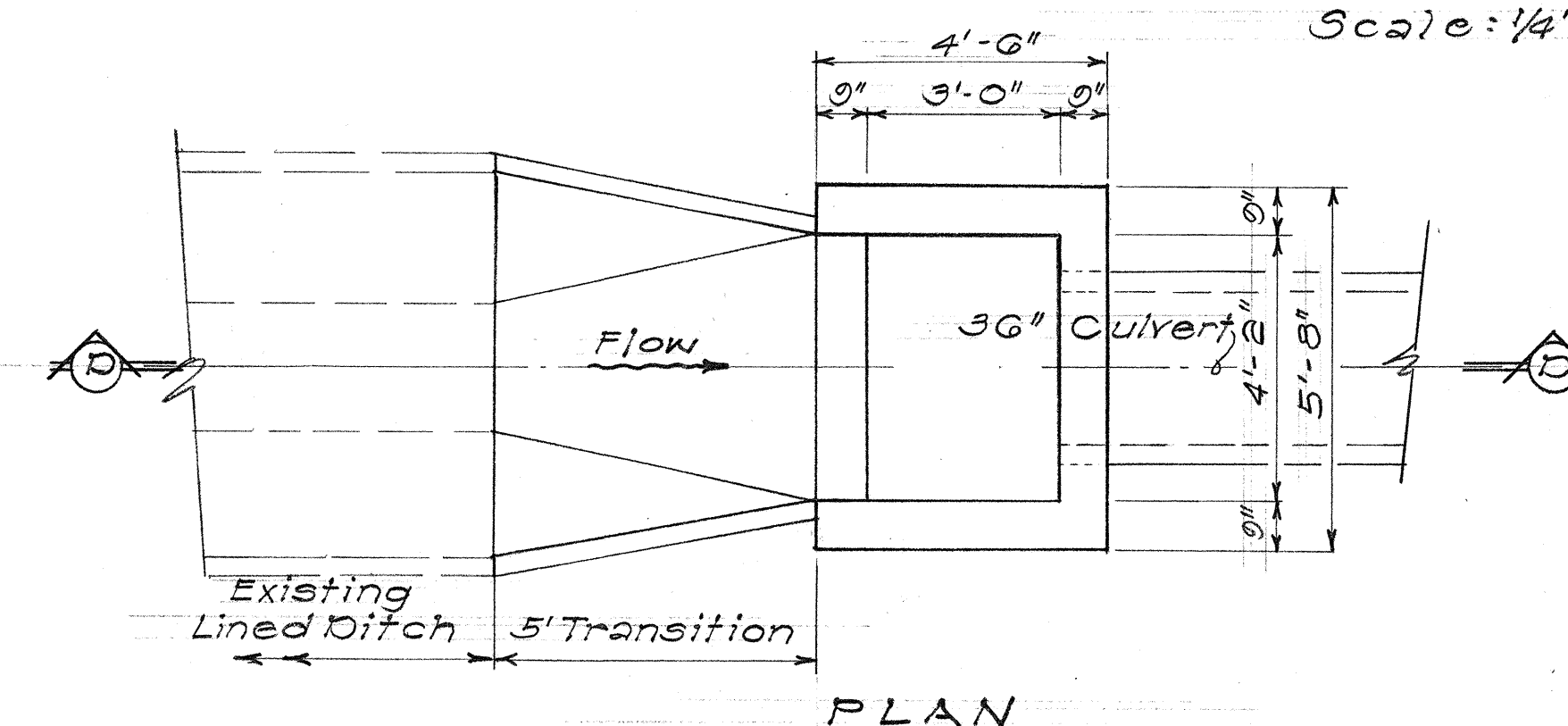


DETAIL OF CONCRETE DROP INTAKE AT H-2 I.B. & STA. 366+50 RT. Scale: 3/8" = 1'-0"



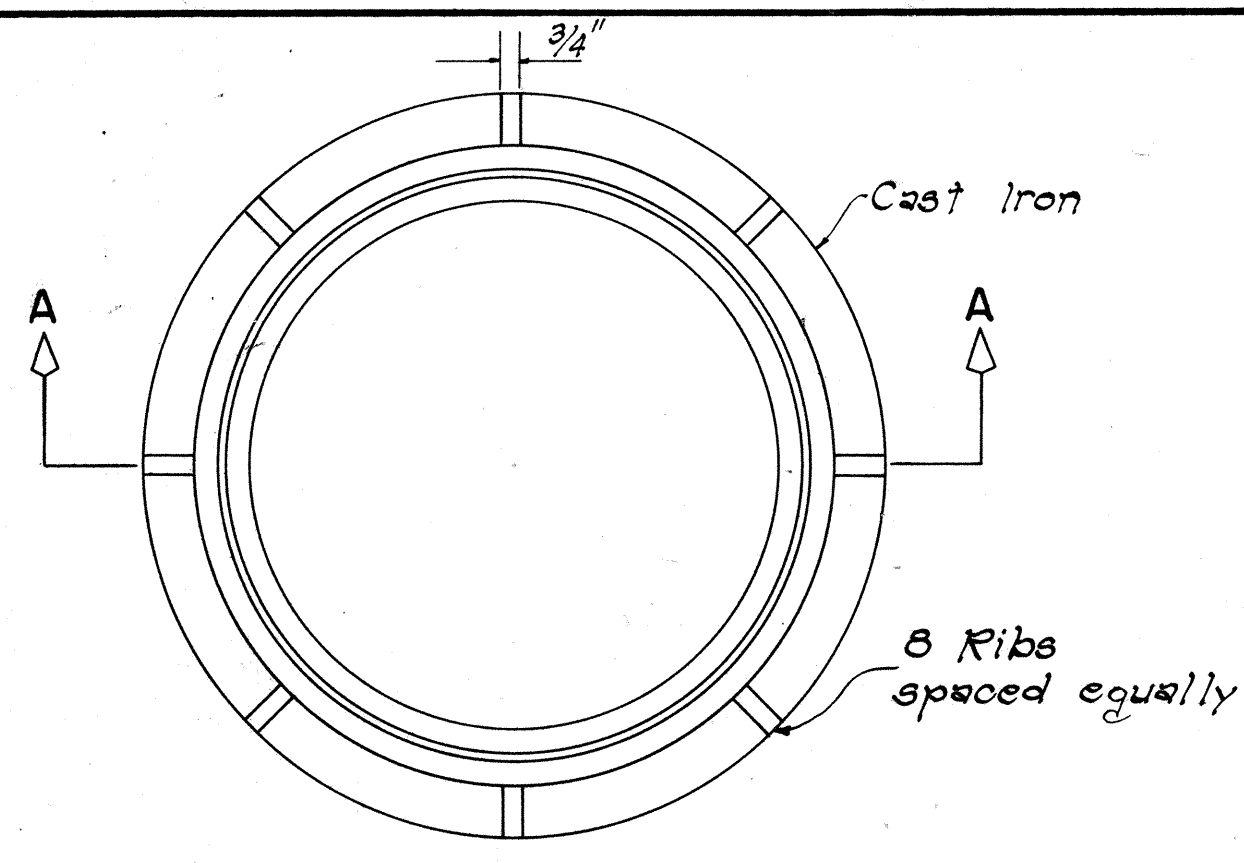
NOTES

OUTLET SHOULDER DITCH Scale: 1/4" = 1'-0"

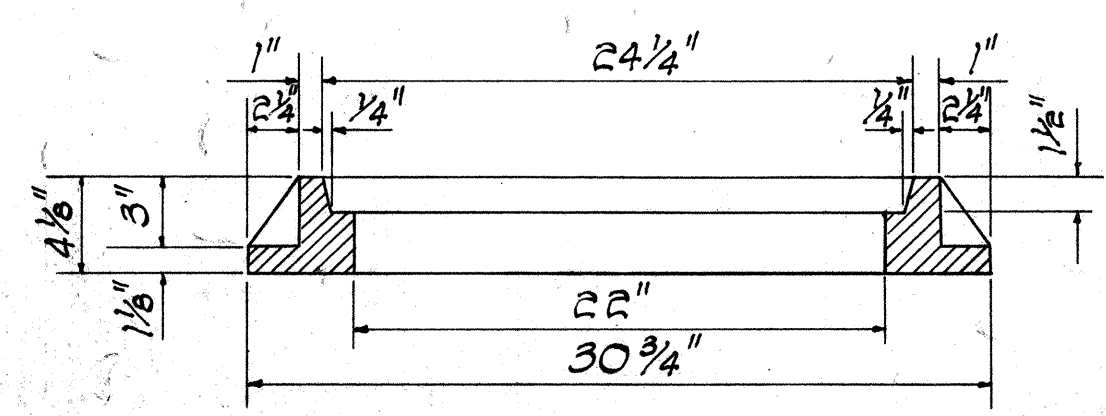


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DRAINAGE DETAILS
INTERSTATE ROUTE H-2
TEMPORARY CONNECTOR TO KAM HWY.
F.A. 1. PROJ. NO. I-H2-1(15):0
Scale: As Shown Date: April, 1974
SHEET No. 1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-12-10-0	1974	13	54



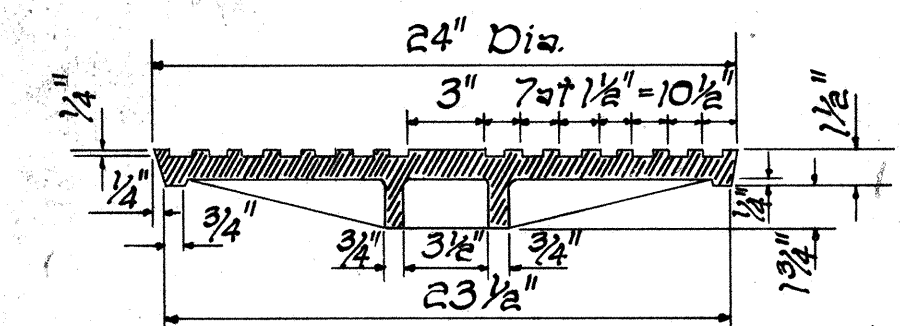
PLAN



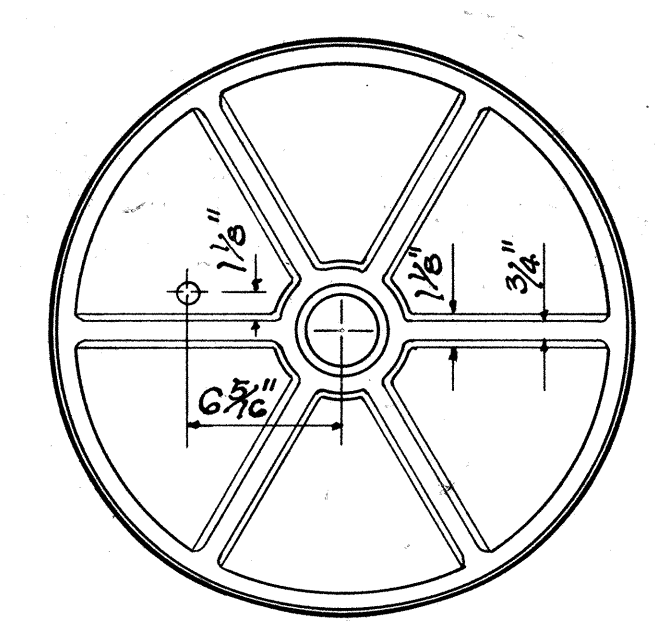
SECTION A-A



PLAN



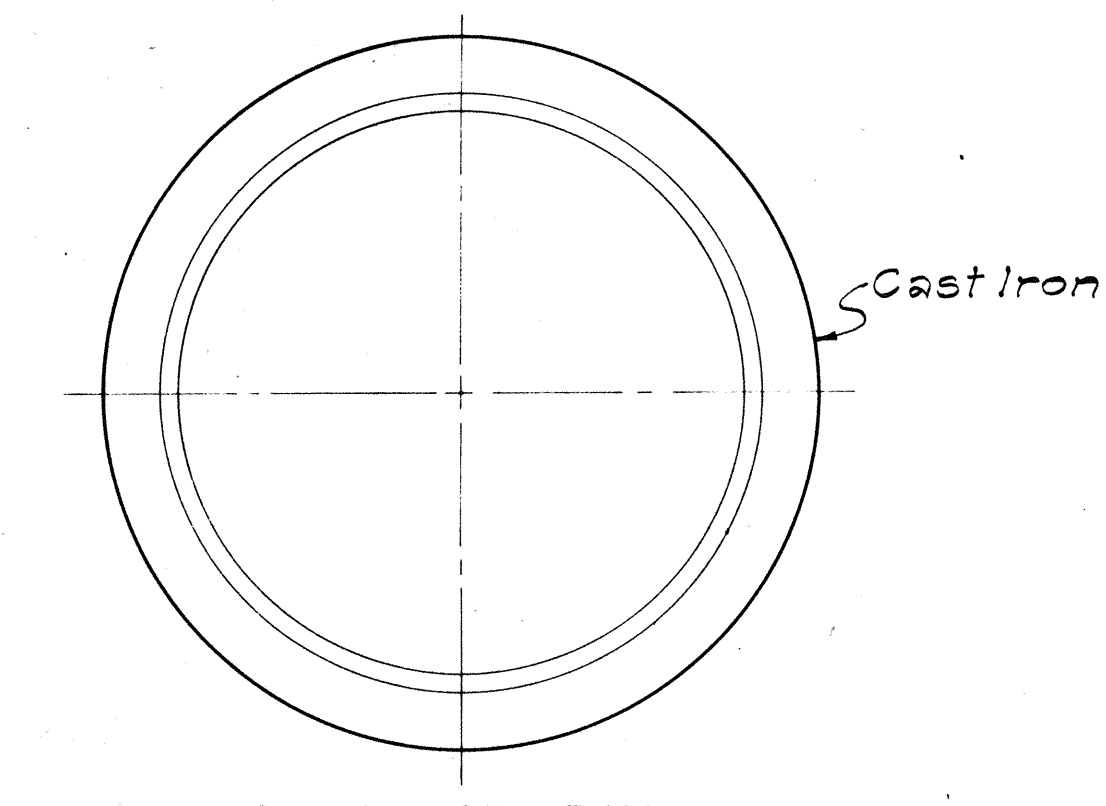
SECTION A-A



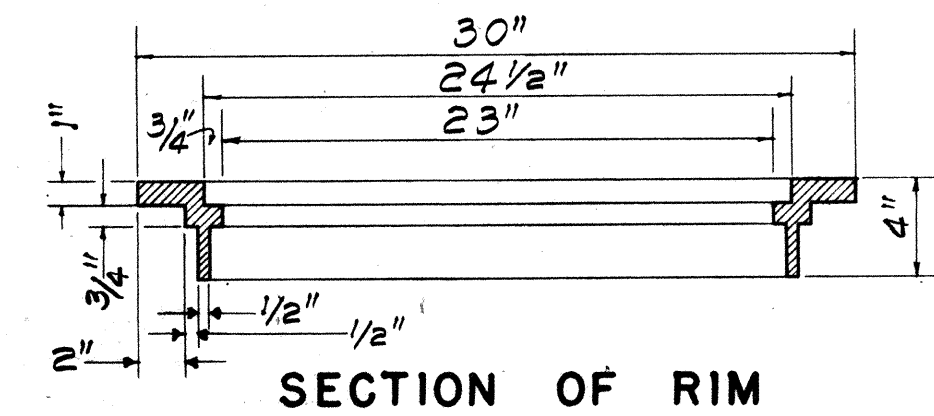
BOTTOM VIEW OF COVER

DETAILS OF TYPE "P"
CAST IRON FRAME AND COVER

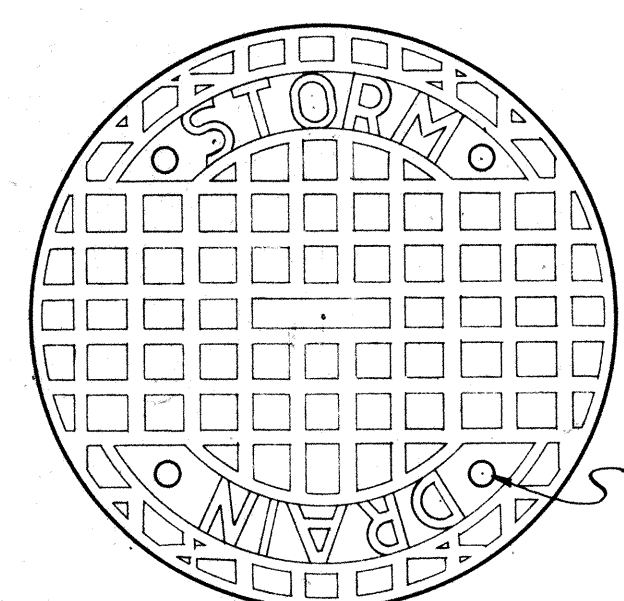
SCALE: 1-1/2" = 1'-0"



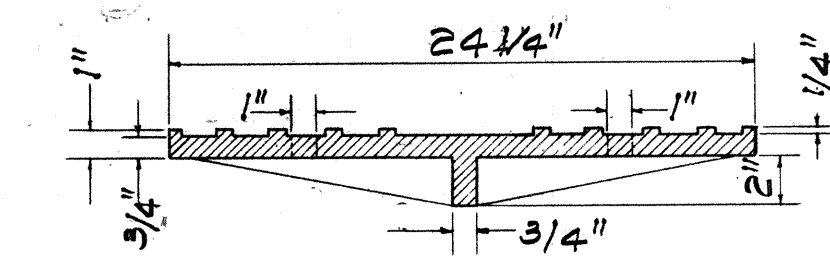
PLAN OF RIM



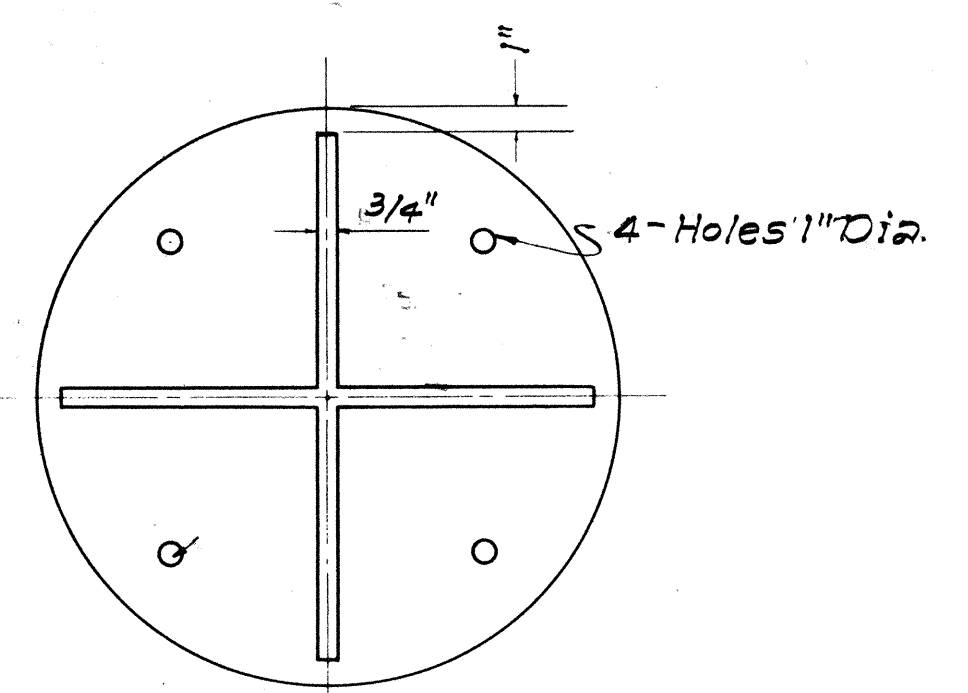
SECTION OF RIM



TOP VIEW OF COVER



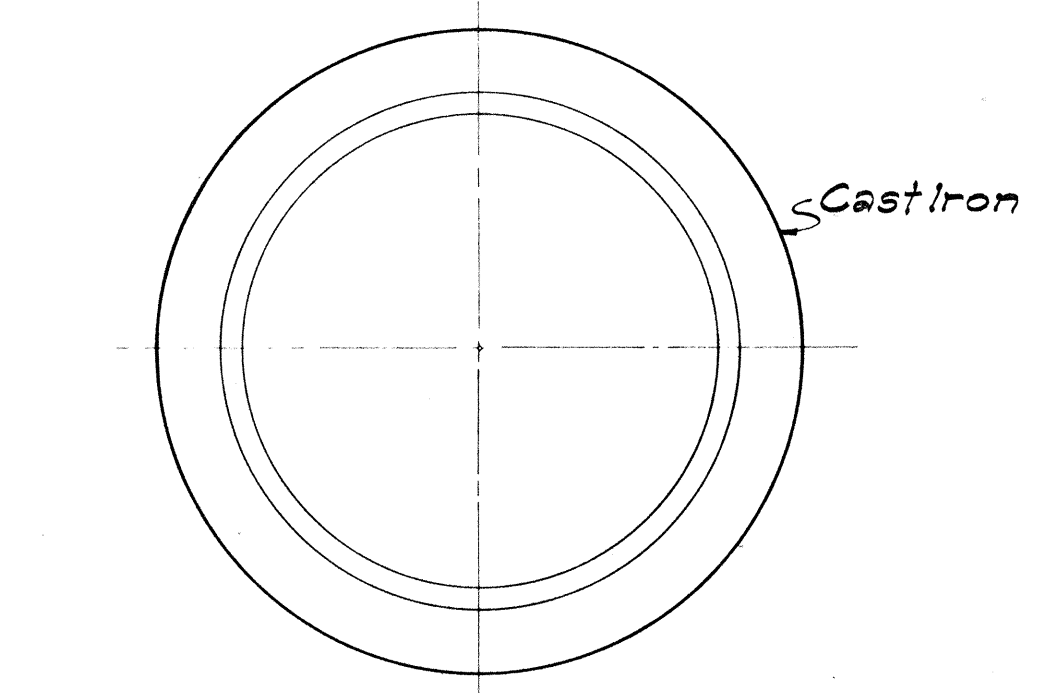
SECTION



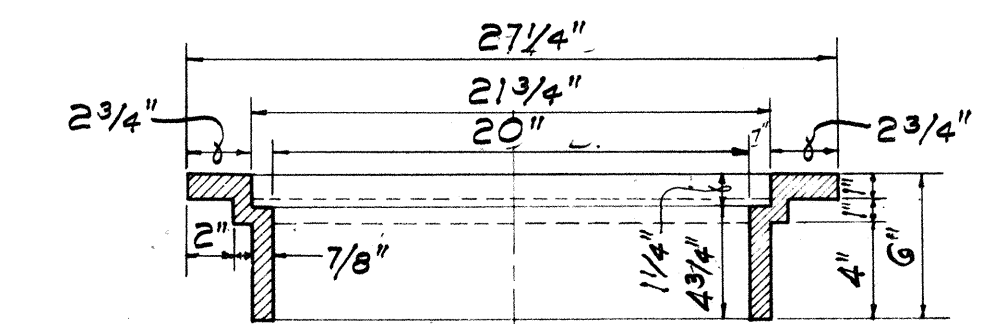
BOTTOM VIEW OF COVER

DETAILS OF TYPE "B"
CAST IRON FRAME AND COVER

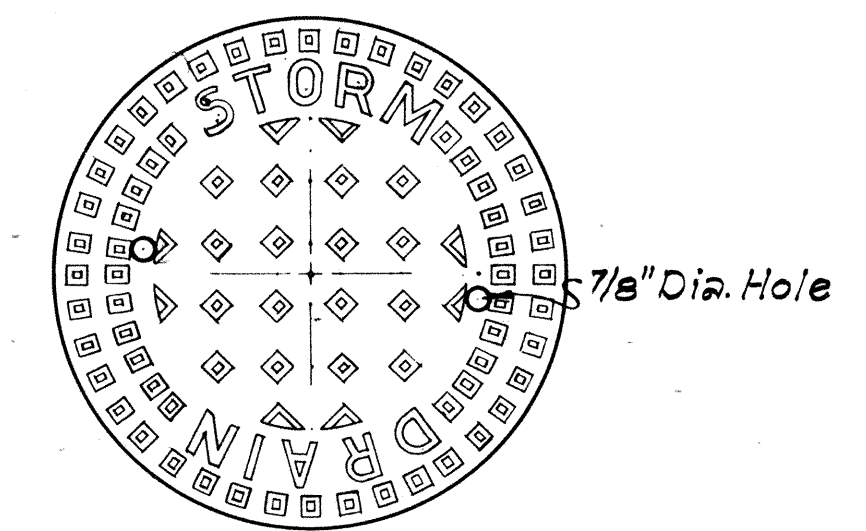
SCALE: 1-1/2" = 1'-0"



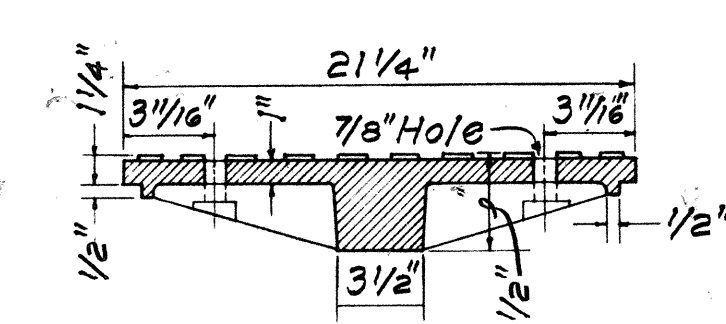
PLAN OF RIM



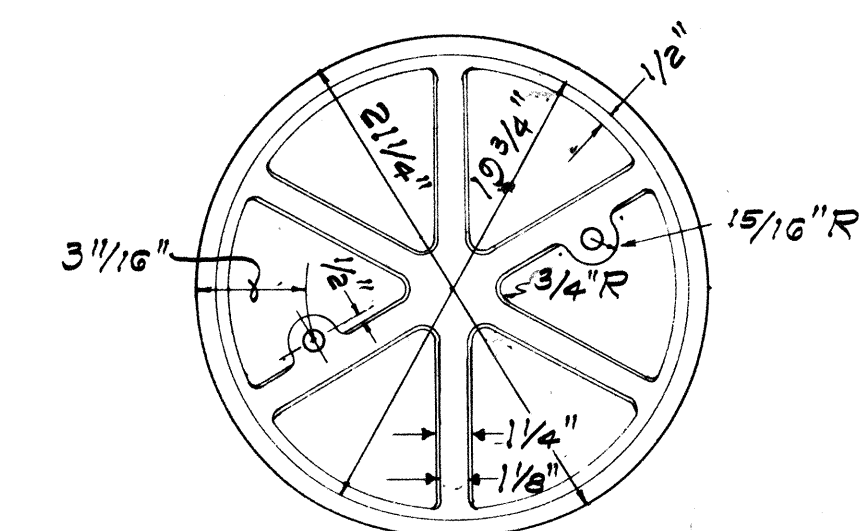
SECTION OF RIM



TOP VIEW OF COVER



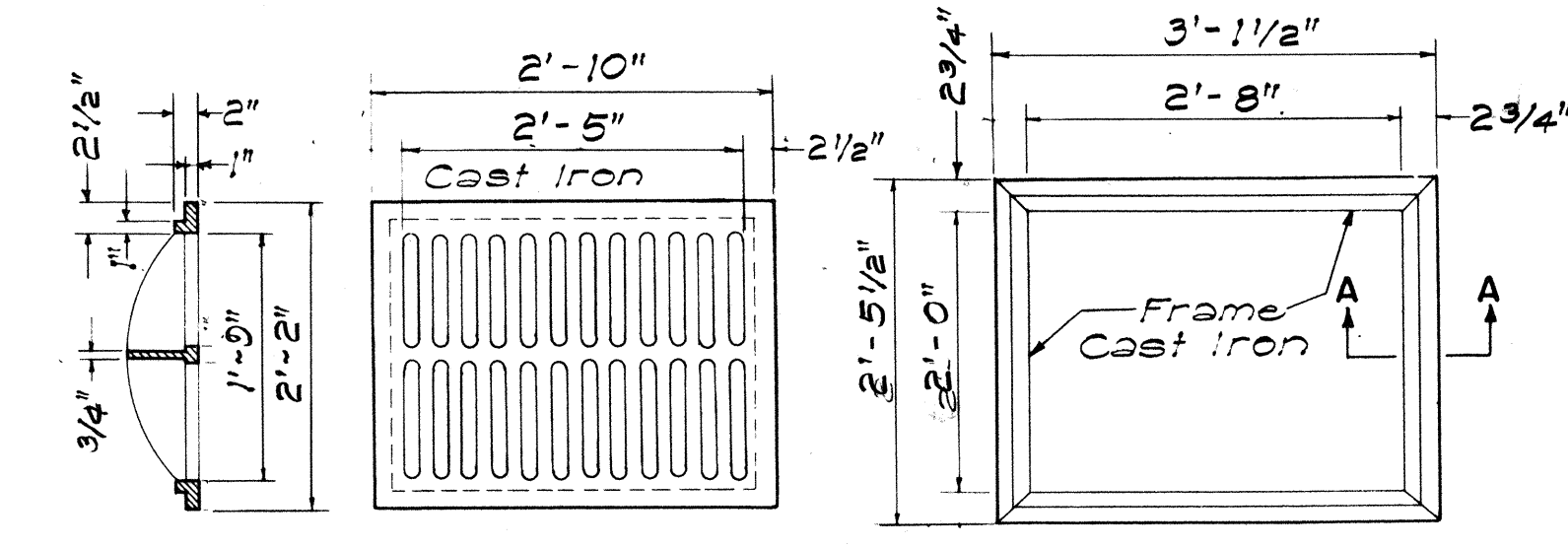
SECTION



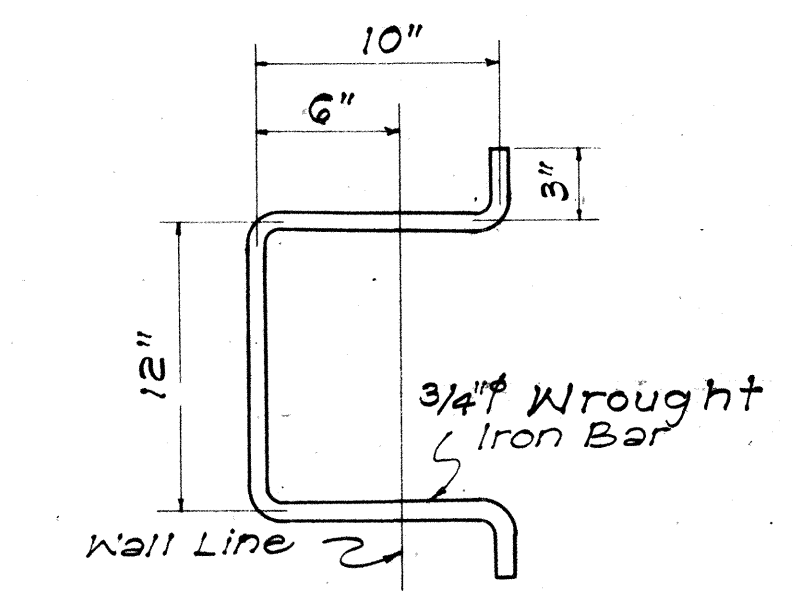
BOTTOM VIEW OF COVER

DETAILS OF TYPE "A"
CAST IRON FRAME AND COVER

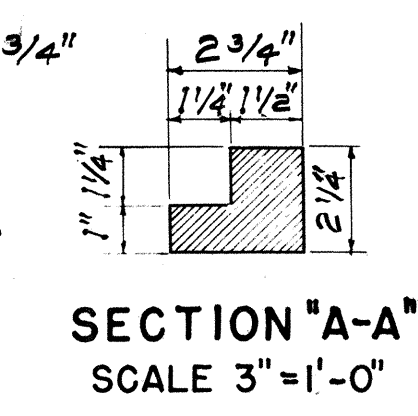
SCALE: 1-1/2" = 1'-0"



SECTION TOP VIEW TOP VIEW
TYPE C C.I. FRAME AND GRATE
SCALE: 3/4" = 1'-0"



MANHOLE RUNG
SCALE: 1-1/2" = 1'-0"



SECTION "A-A"
SCALE 3" = 1'-0"

APPROVAL RECOMMENDED:
R. Nakano
HYDRAULIC DESIGN ENGINEER 12-17-69
DATE

APPROVED:
W. J. J. J.
ASSISTANT CHIEF, ENGINEERING 12-17-69
DATE

NO.	REVISION	APPROVED BY	DATE
1.	Detail of Type "P" Cast Iron Frame and Cover	H.T.	1-6-71

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS
CATCH BASIN AND
MANHOLE CASTINGS

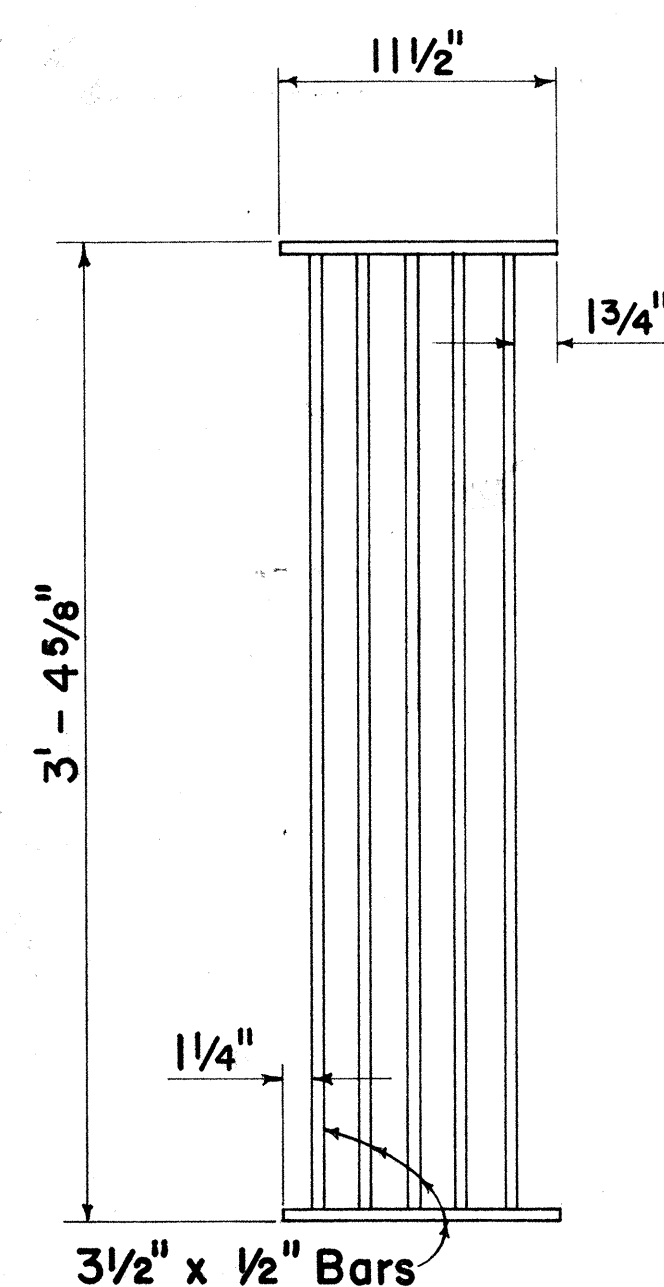
Scale: As Noted Date: July, 1969

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	Calisto
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H2-1(15)0	1974	14	54

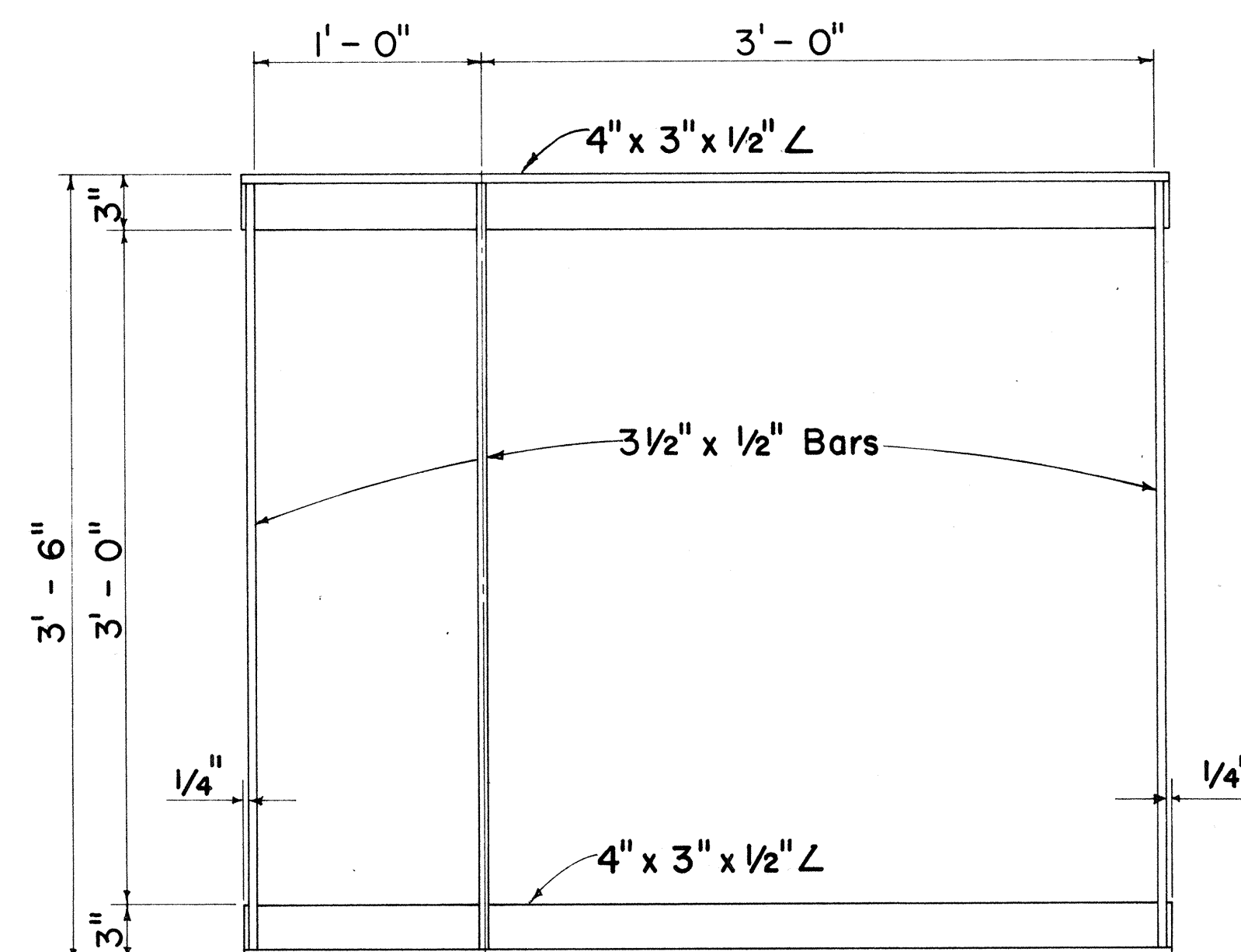
GENERAL NOTES

1. Grates and Frames shall be hot dip galvanized after fabrication, see specifications.
2. All welds $\frac{3}{8}$ " unless otherwise noted.
3. The Frame & Grate materials shall conform to the specifications of ASTM Designation Structural Steel A283, Grade D and the Standard Specifications.
4. Culvert shall leave Drop Intake from any position and any direction indicated by plans or ordered by the Engineer. Culverts may both enter and leave Drop Intake so that Drop Intake will act as manhole.
5. Manhole Rungs (16" o.c.) are required when "H" is greater than 4 feet 6 inches. Only one rung (12 inches from the bottom) is required if "H" is 4 feet 6 inches or less. The Manhole Rungs may be placed at any location as ordered by the Engineer.



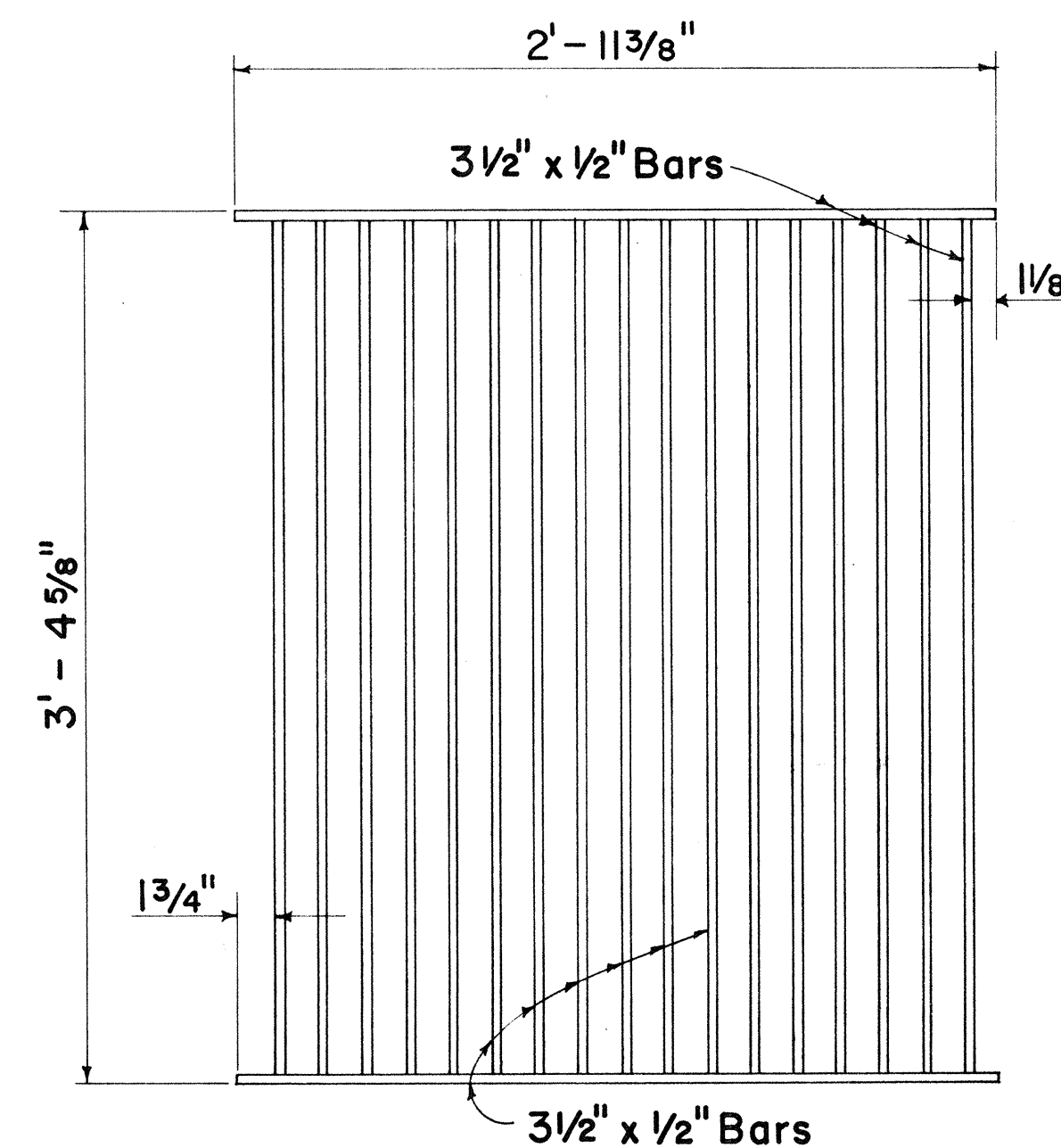
PLAN

Scale: $1\frac{1}{2}" = 1' - 0"$



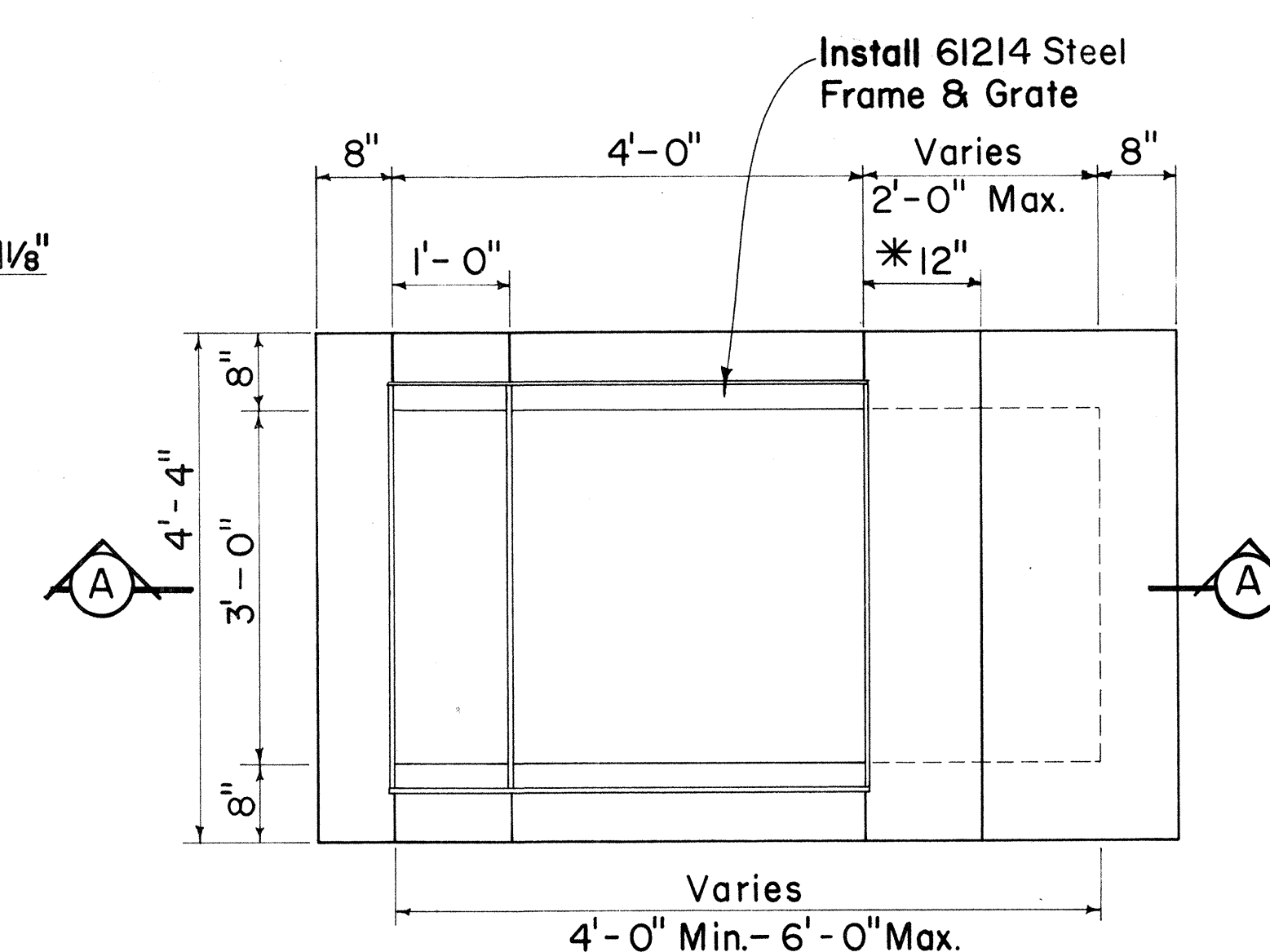
PLAN

Scale: $1\frac{1}{2}" = 1' - 0"$

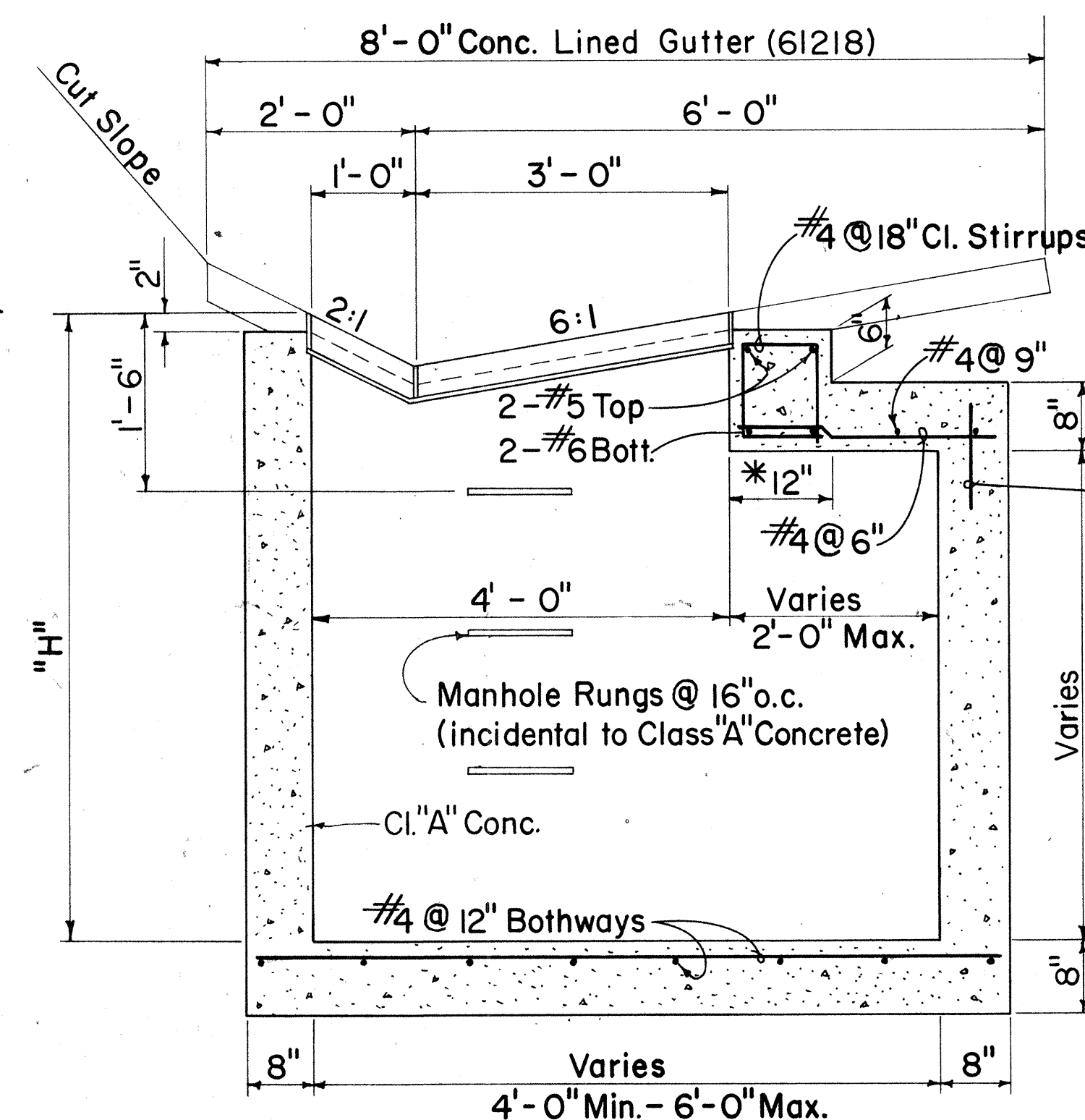


PLAN

Scale: $1\frac{1}{2}" = 1' - 0"$



PLAN

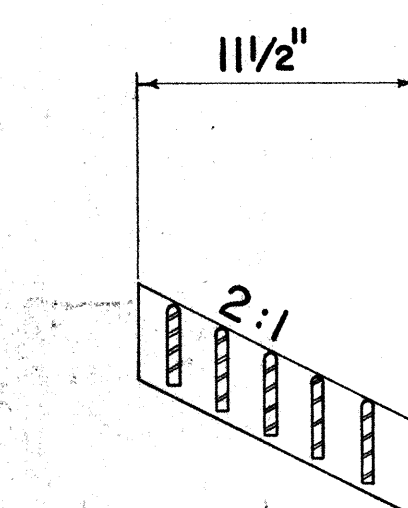


SECTION A - A

DETAIL OF 61214 DROP INTAKE

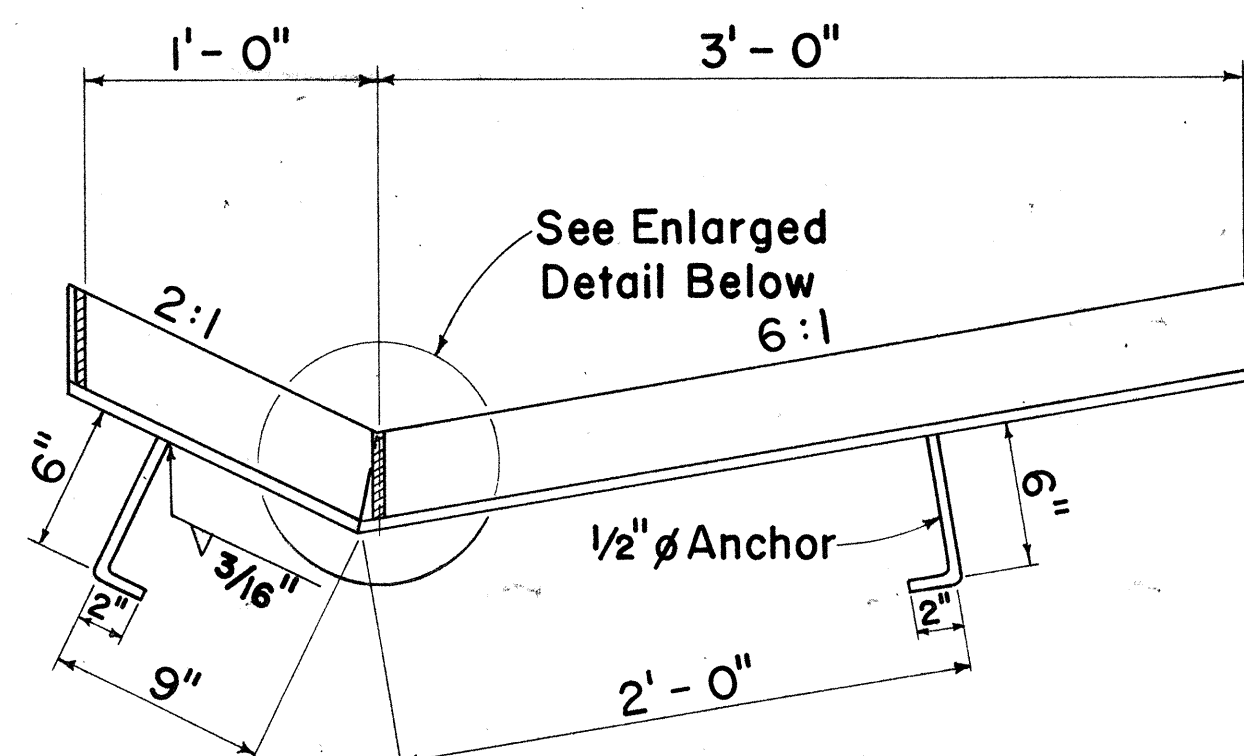
Scale: $\frac{3}{4}" = 1' - 0"$

*For Minimum size box of 4' - 0" only, use 8" and eliminate reinforcing steel shown in top portion.



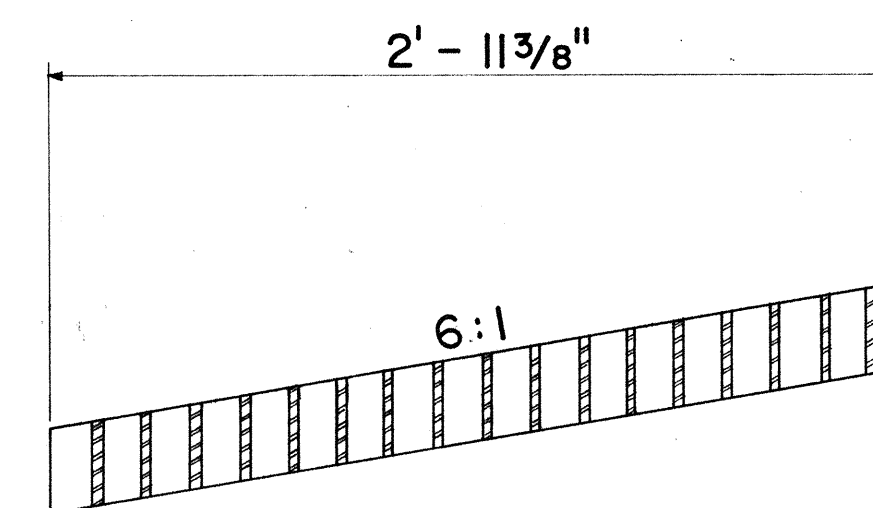
SECTION

Scale: $1\frac{1}{2}" = 1' - 0"$



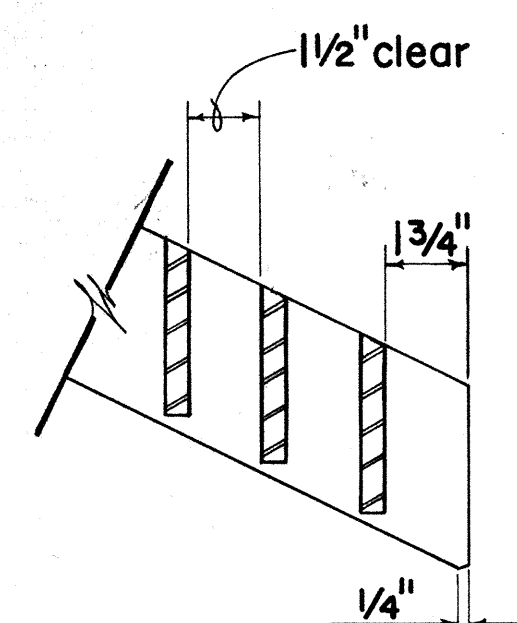
SECTION

Scale: $1\frac{1}{2}" = 1' - 0"$



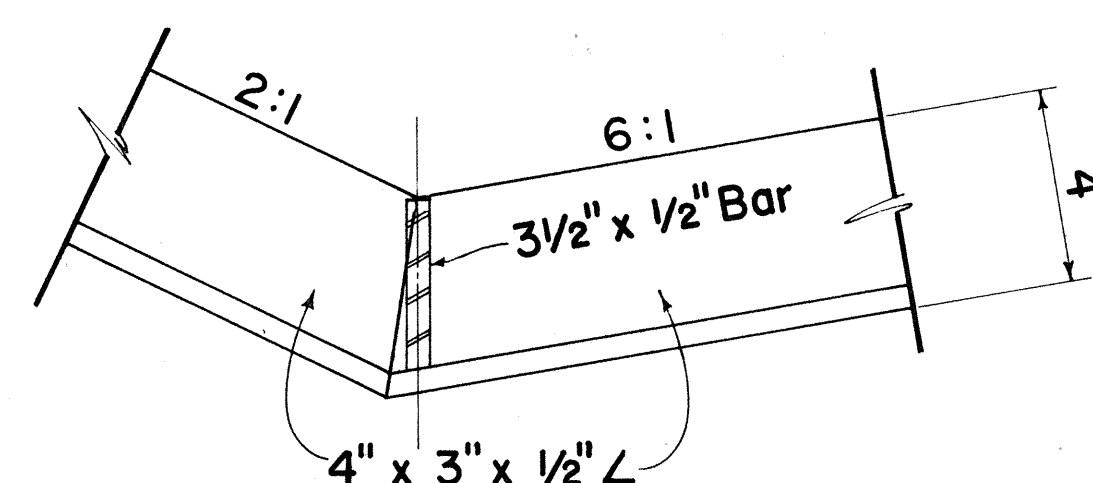
SECTION

Scale: $1\frac{1}{2}" = 1' - 0"$



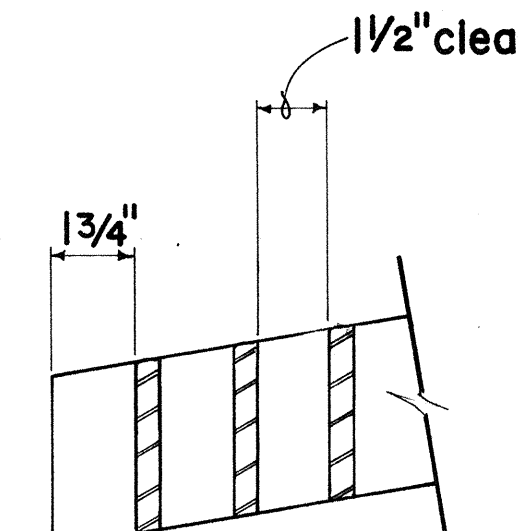
GRATE

Scale: $3" = 1' - 0"$



FRAME

Scale: $3" = 1' - 0"$



GRATE

Scale: $3" = 1' - 0"$

DETAILS OF TYPE 61214 STEEL FRAME AND GRATES

NO.	REVISION	APPROVED BY	DATE

APPROVAL RECOMMENDED:

HYDRAULIC DESIGN ENGINEER

12-17-69
DATE

APPROVED:

ASSISTANT CHIEF, ENGINEERING

12-17-69
DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD DETAILS
TYPE 61214
GRATED DROP INTAKE

Scales: As Noted

Date: July 1969

SHEET No. 3 OF 3 SHEETS DH 9