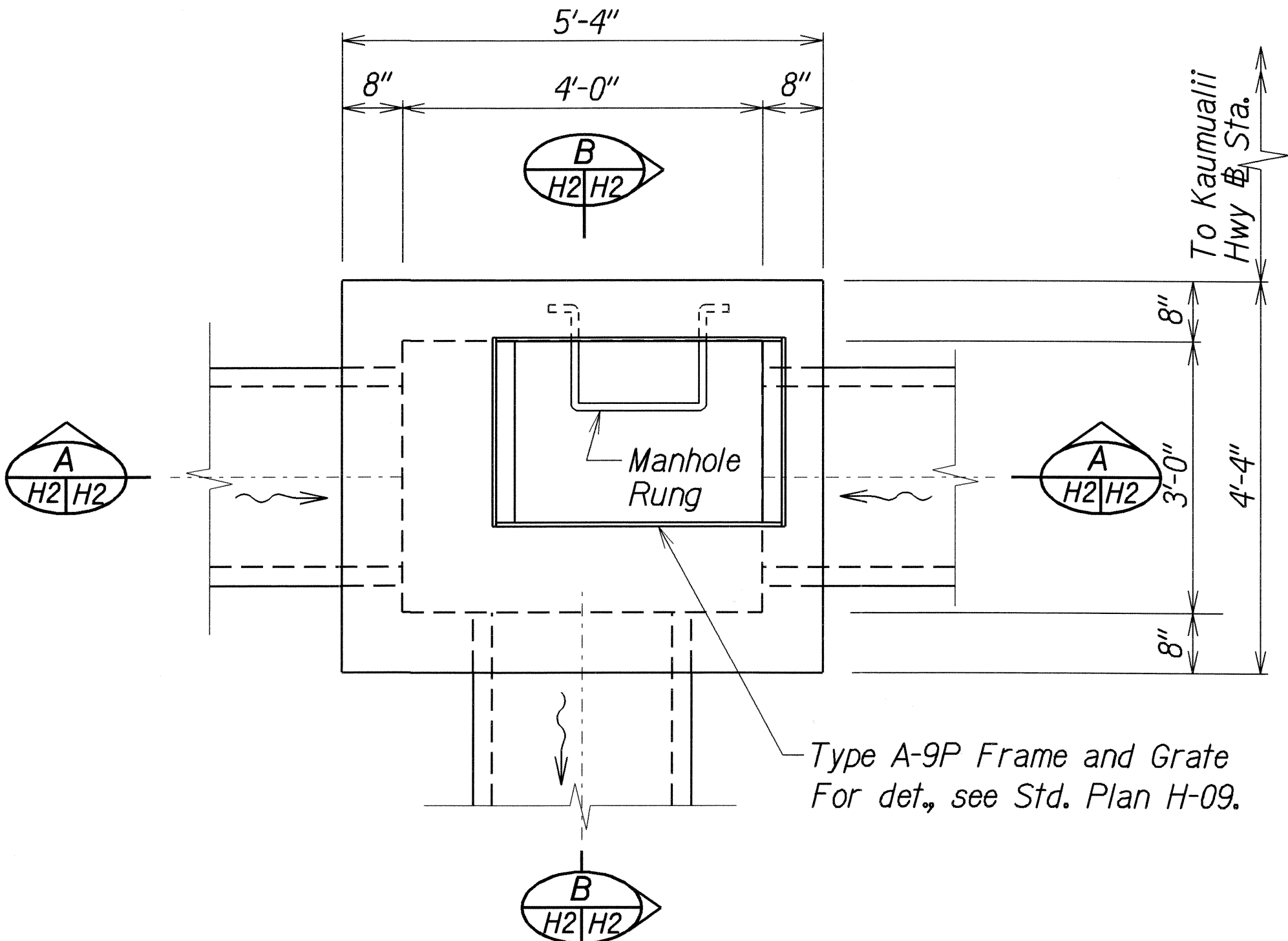
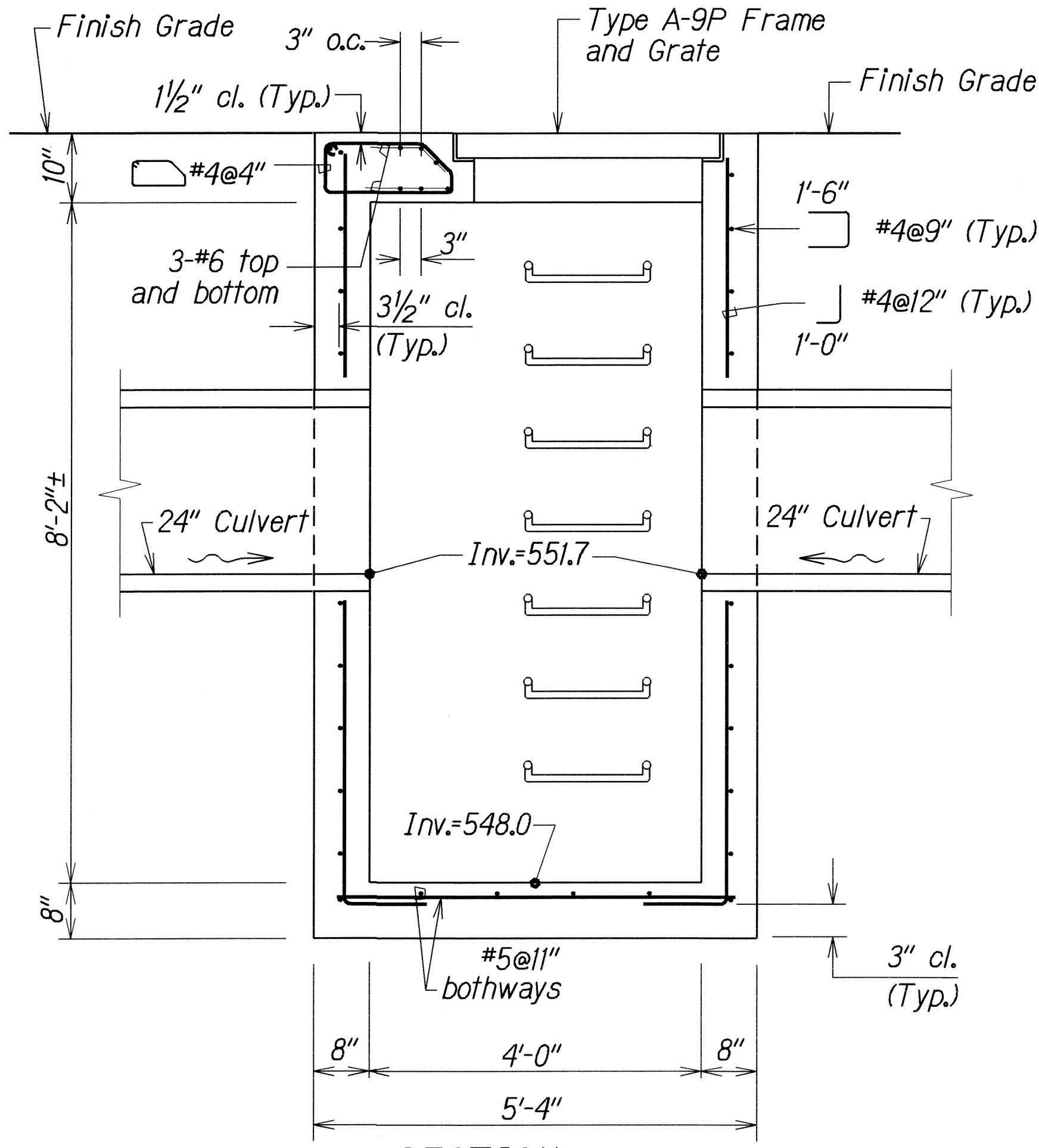


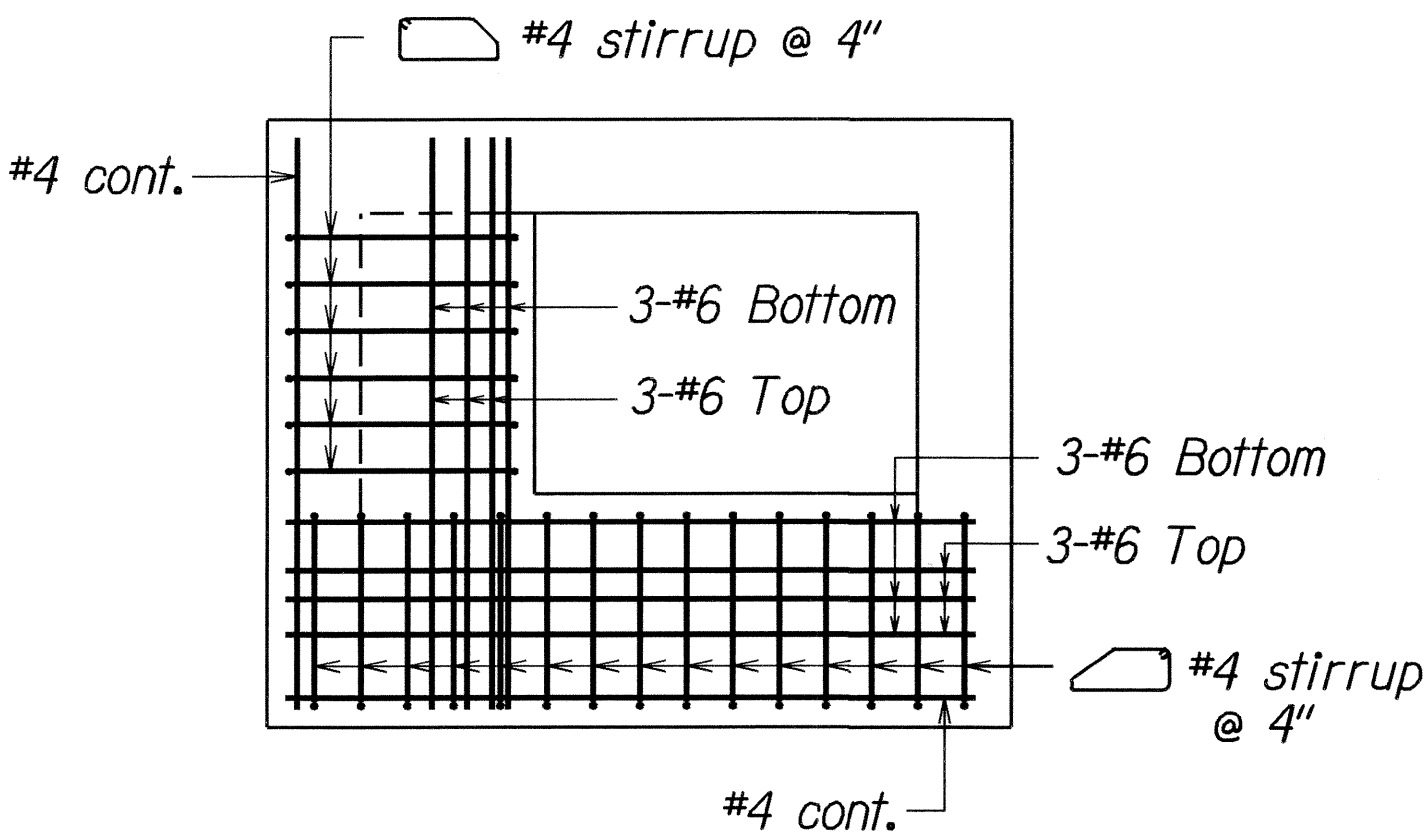
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-14(3)	2008	17	18



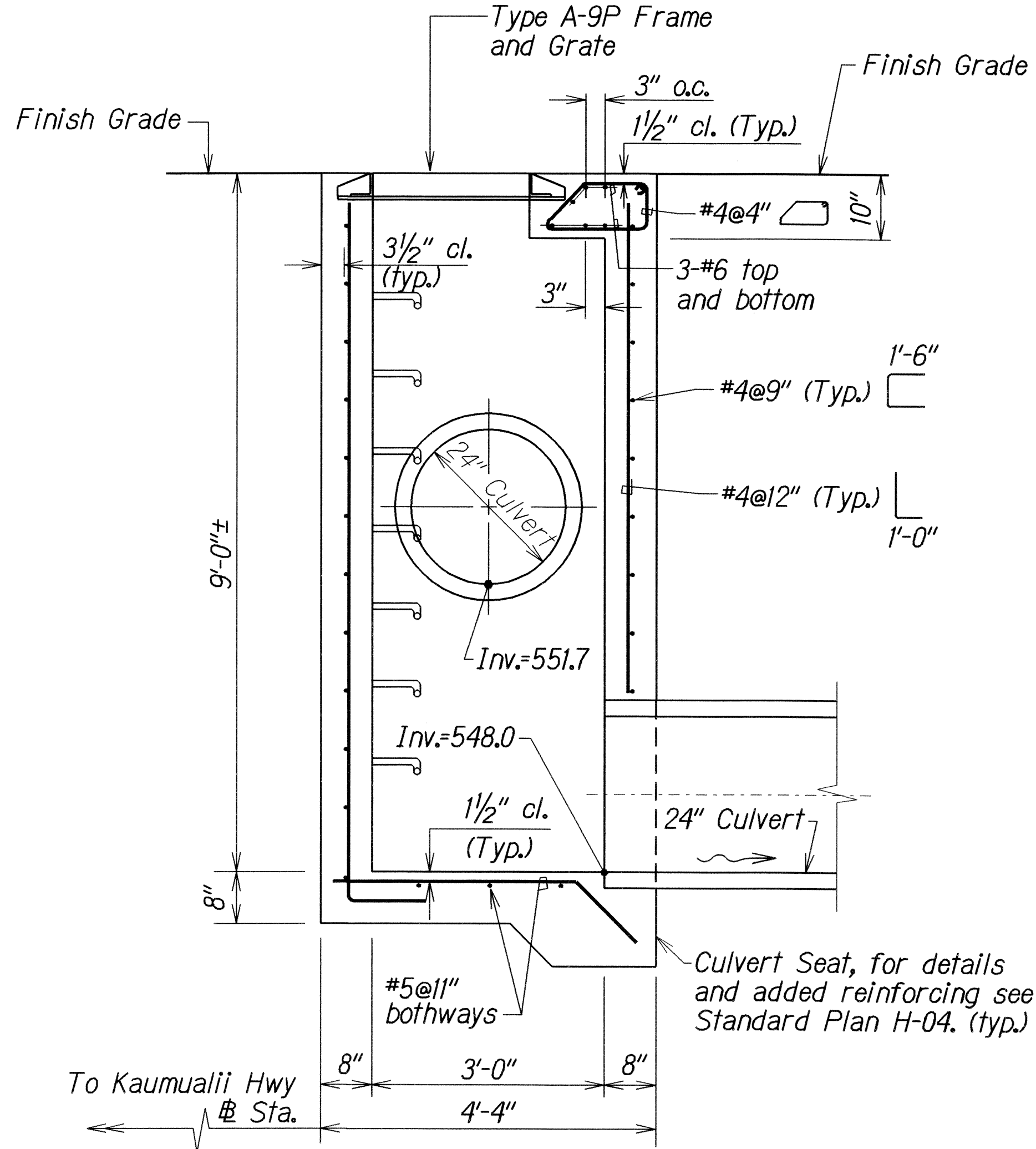
PLAN



SECTION A



PLAN VIEW OF TOP SLAB REINFORCING



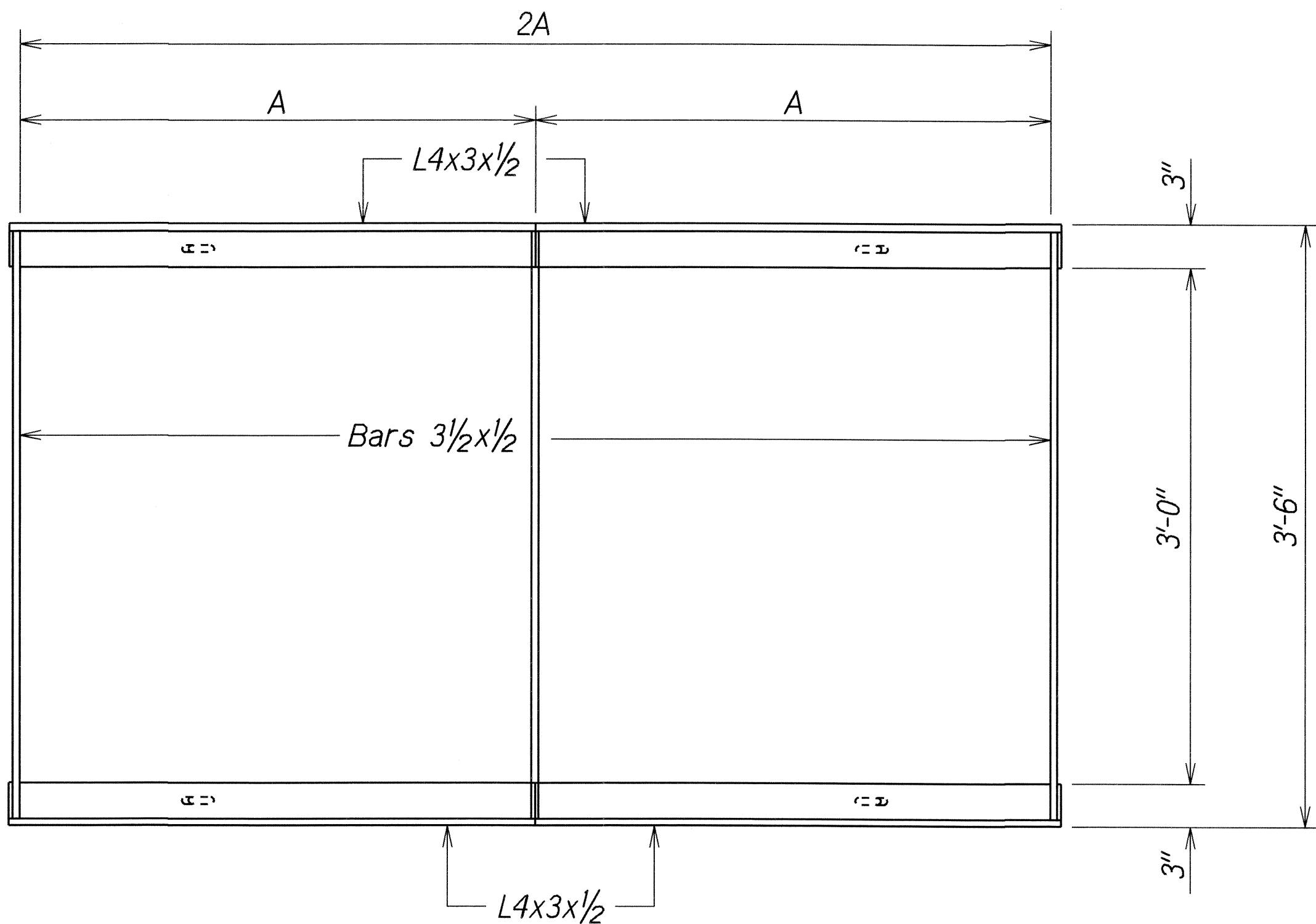
SECTION B



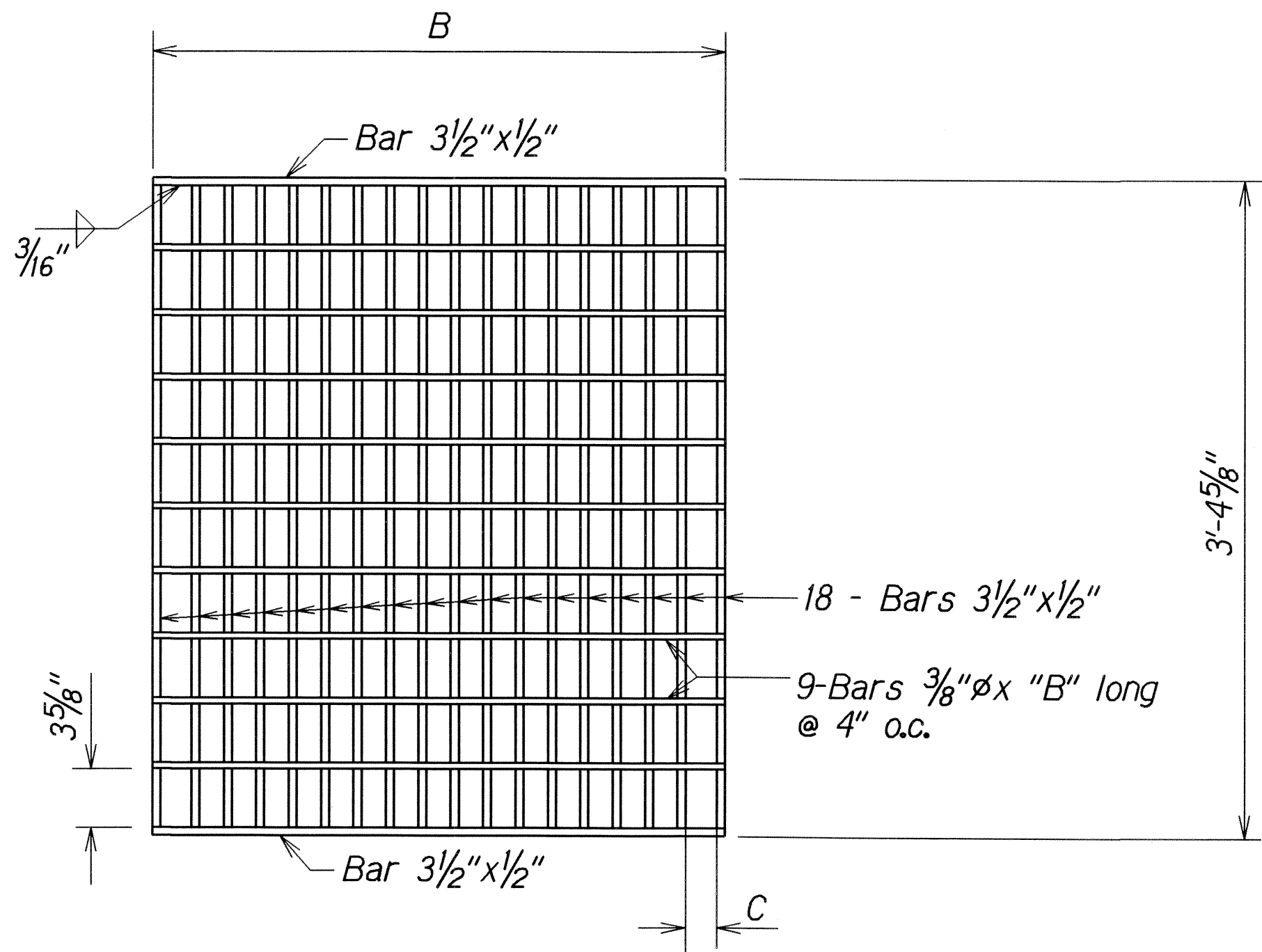
DETAIL OF TYPE A-9P GRATED DROP INLET @ STA. 172+93 o/s 36' RT.

X	X
X	X
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION DRAINAGE DETAILS KAUMUALII HIGHWAY SLOPE STABILIZATION AT PUNEE ROAD FEDERAL-AID PROJECT NO.: ER-14(3) Scale: 3/4"=1'-0" Date: Sept, 2007 SHEET No. H2 OF 3 SHEETS	

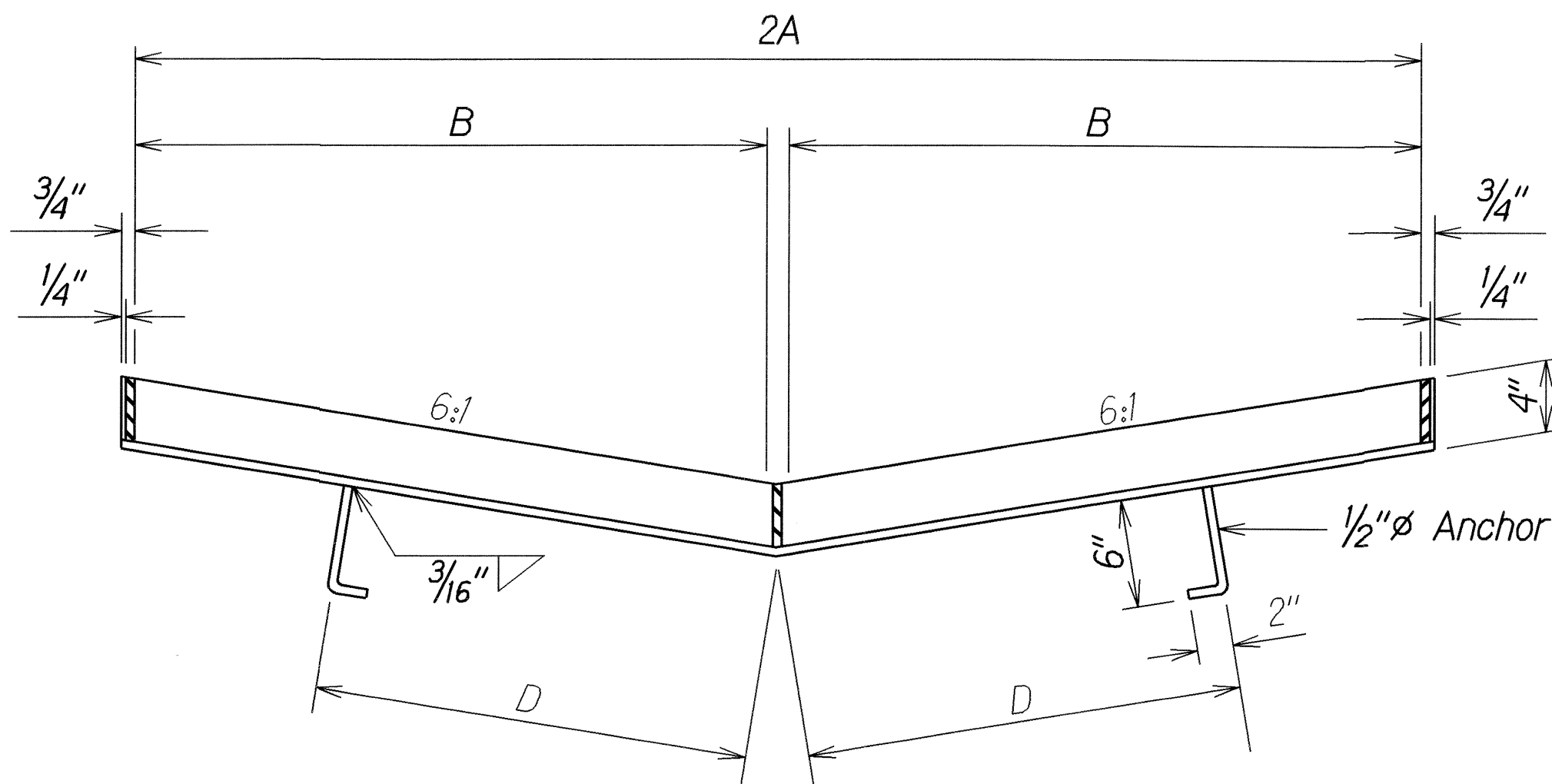
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-14(3)	2008	18	18



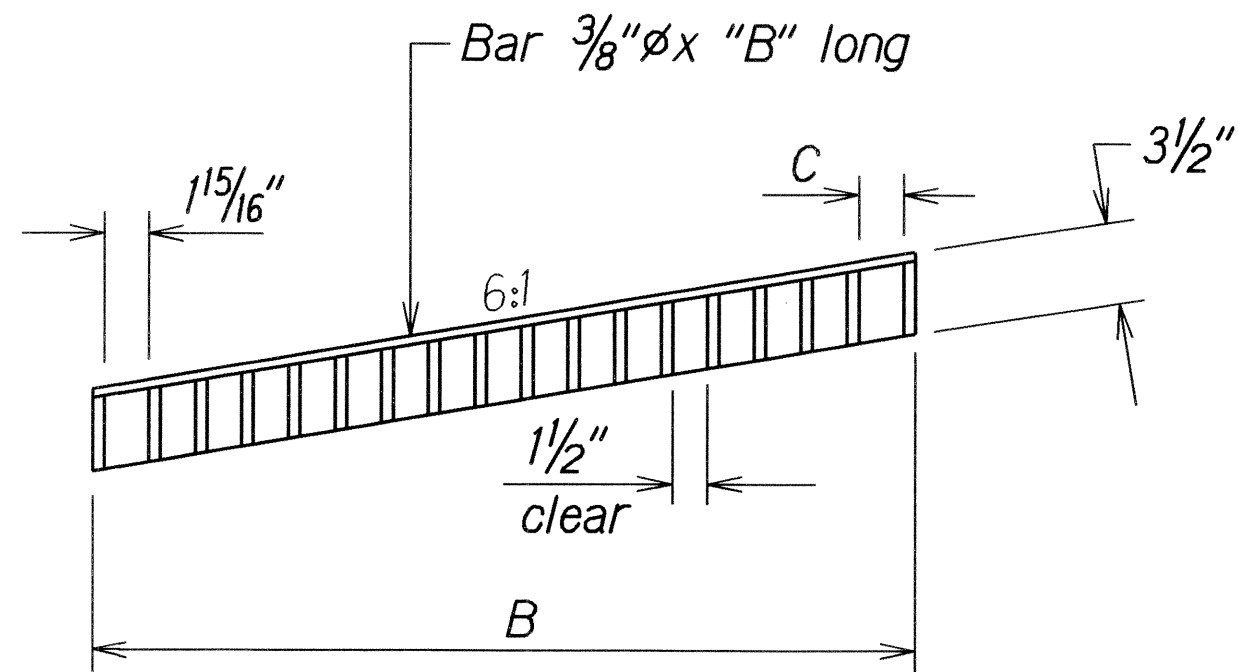
PLAN



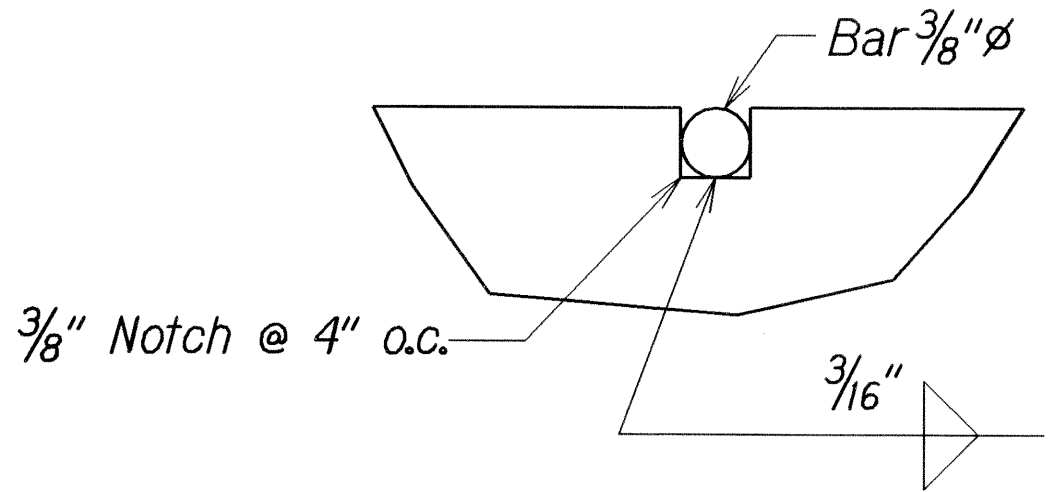
PLAN



SECTION
FRAME



SECTION
GRATE



NOTCH DETAIL
Full Size

DIMENSIONS					
TYPE	NO. BARS	A	B	C	D
61614P	12	2'-0"	1'-11 1/2"	2"	1'-6"
61616P	18	3'-0"	2'-11 3/8"	1 5/16"	2'-0"

GENERAL NOTE

1. All welds 3/8" unless otherwise noted.

TYPE 61614P & 61616P STEEL FRAME AND GRATES

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	5/14/07
DESIGNED BY	CHECKED BY	
QUANTITIES BY		
CHECKED BY		

X	X
X	X
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <u>DRAINAGE DETAILS</u> KAUMUALII HIGHWAY SLOPE STABILIZATION AT PUNEE ROAD FEDERAL-AID PROJECT NO.: ER-14(3) Scale: 1 1/2"=1'-0" Date: Sept, 2007 SHEET No. H3 OF 3 SHEETS	