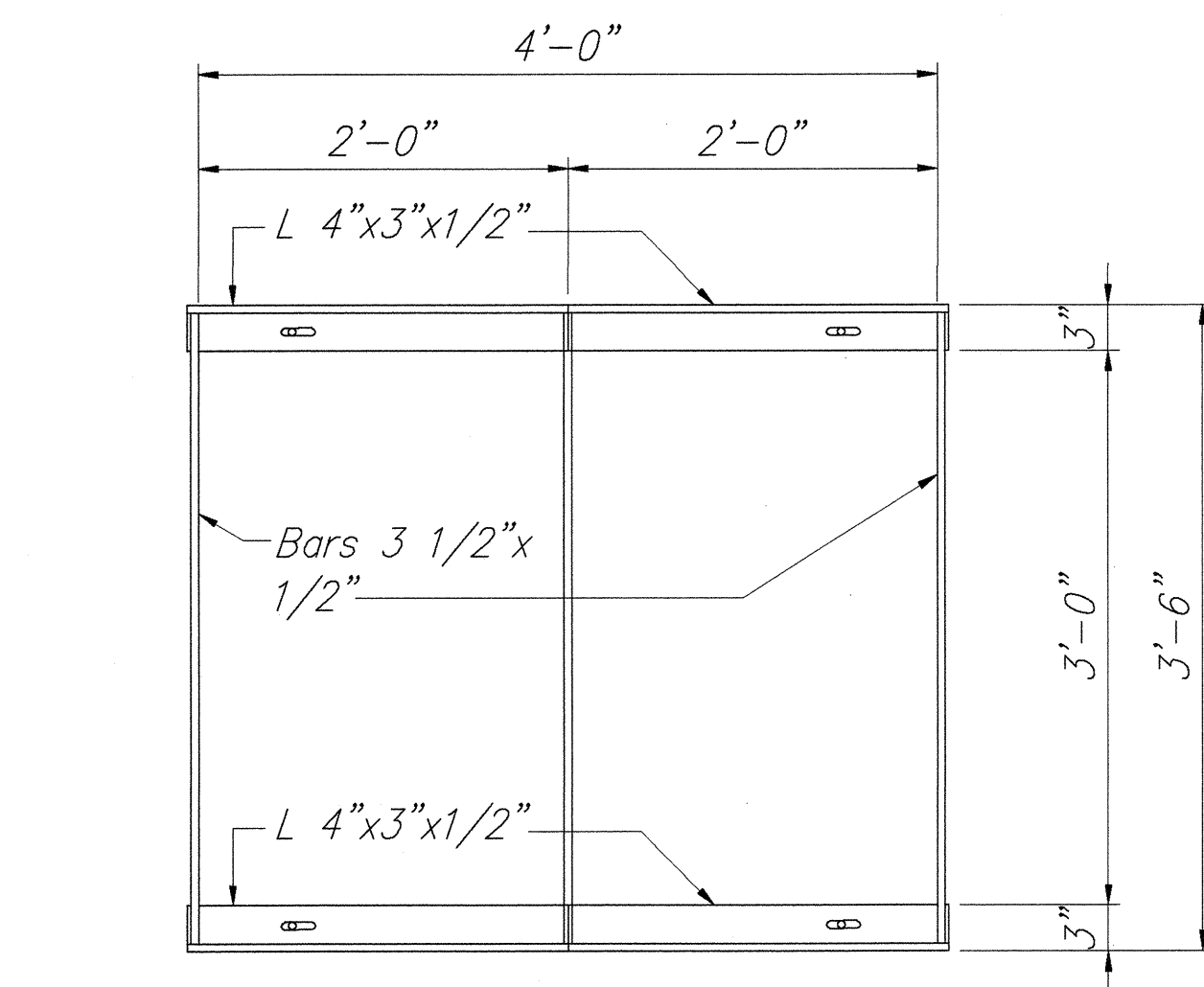
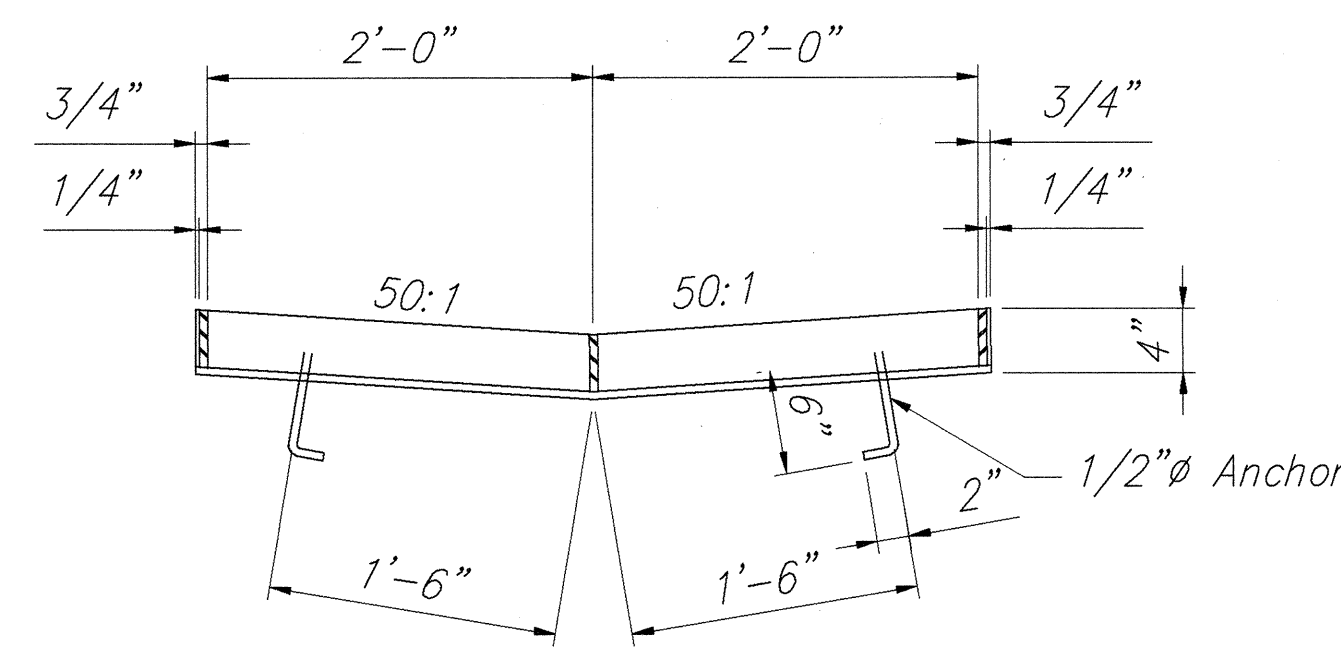


ROAD DIST. NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	220A-01-03M	2003	27	37



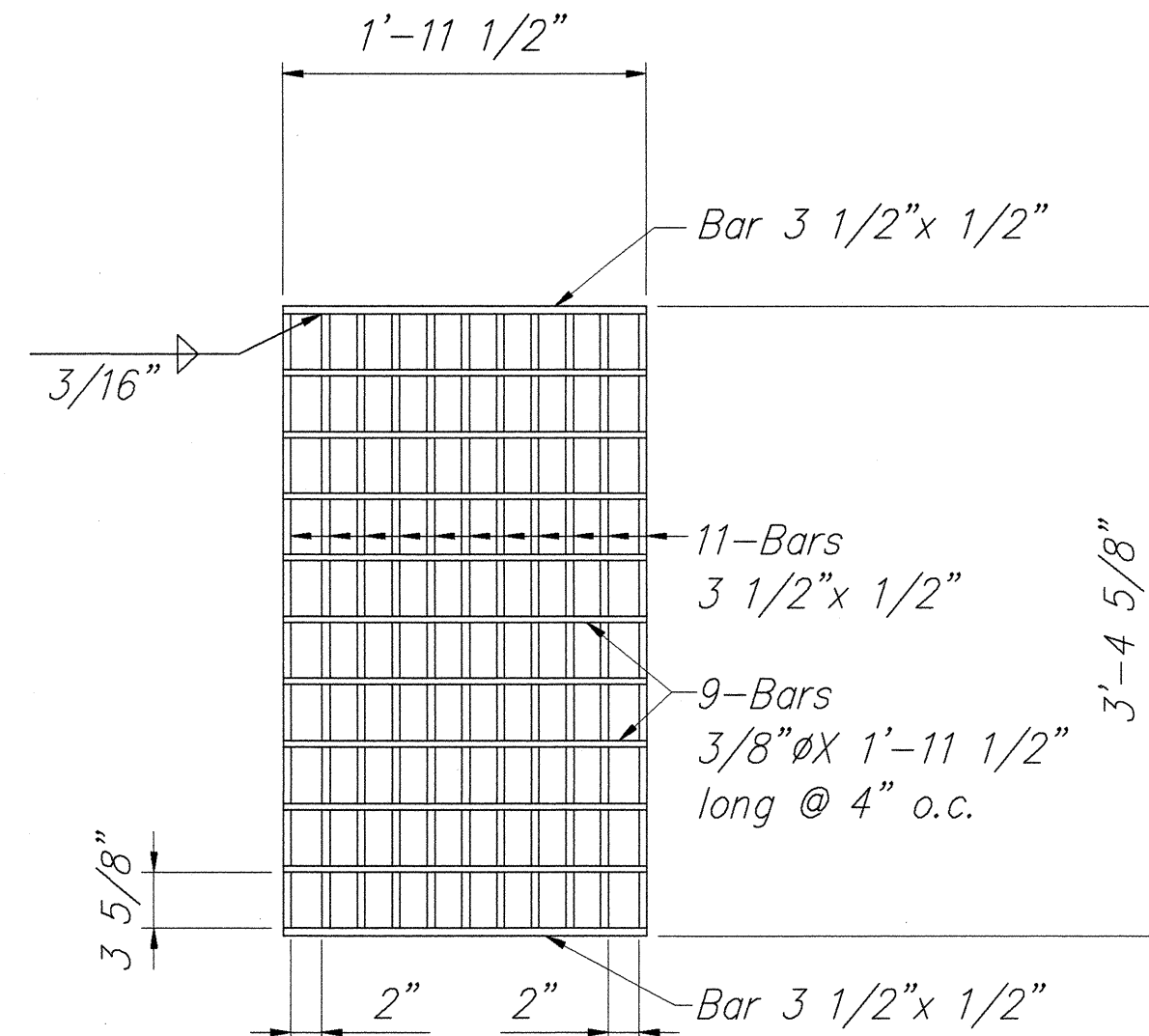
PLAN



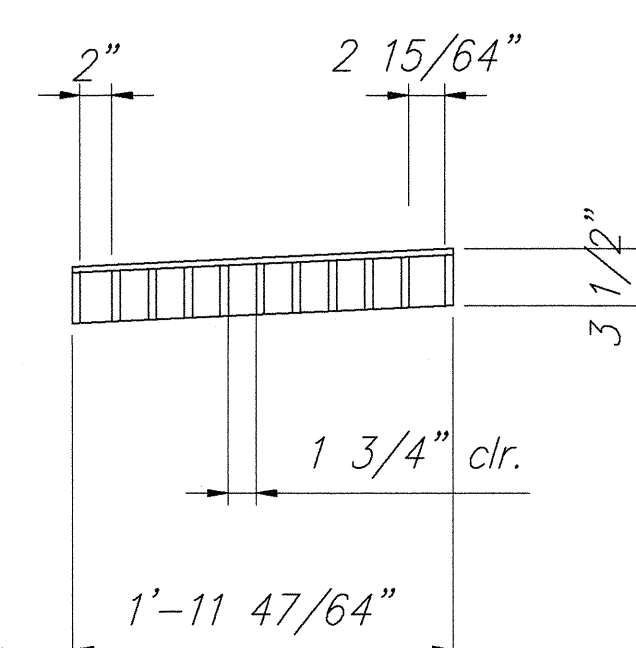
SECTION

FRAME

Scale: 1" = 1'-0"



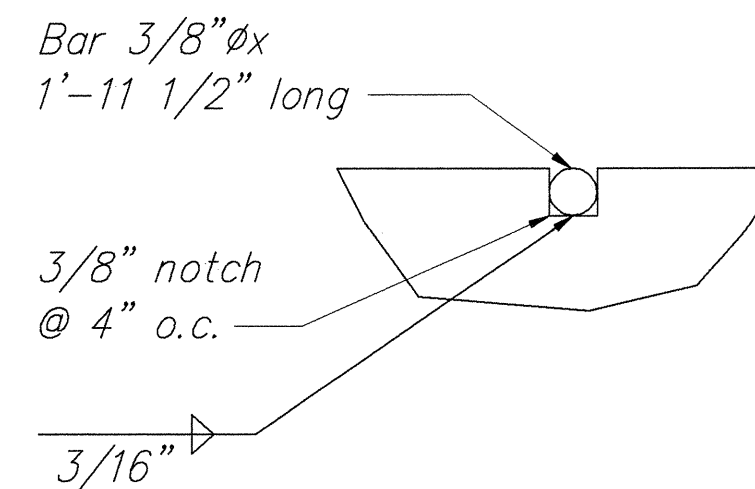
PLAN



SECTION

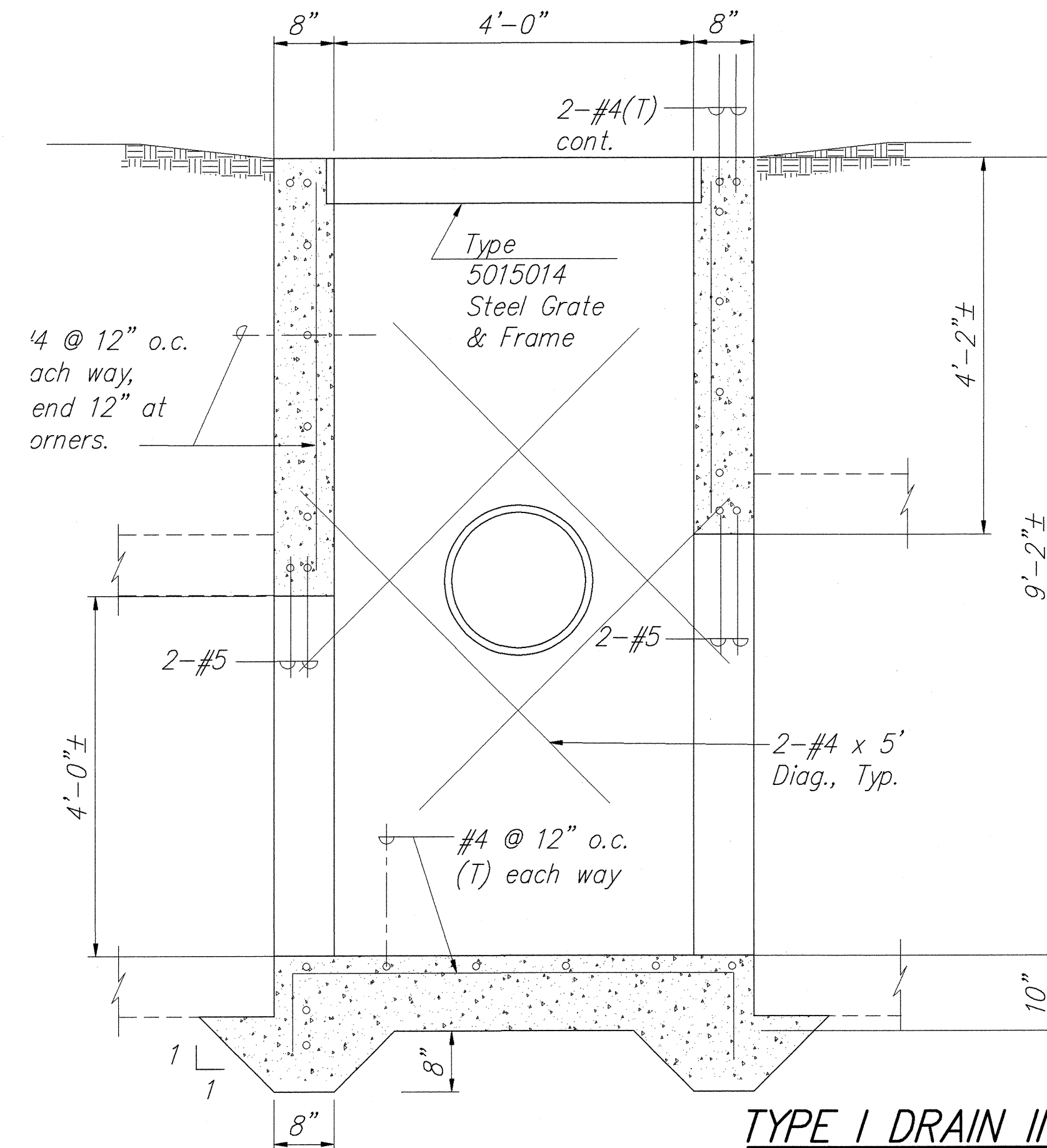
GRATE

Scale: 1" = 1'-0"



NOTCH DETAIL

Scale: 1:1

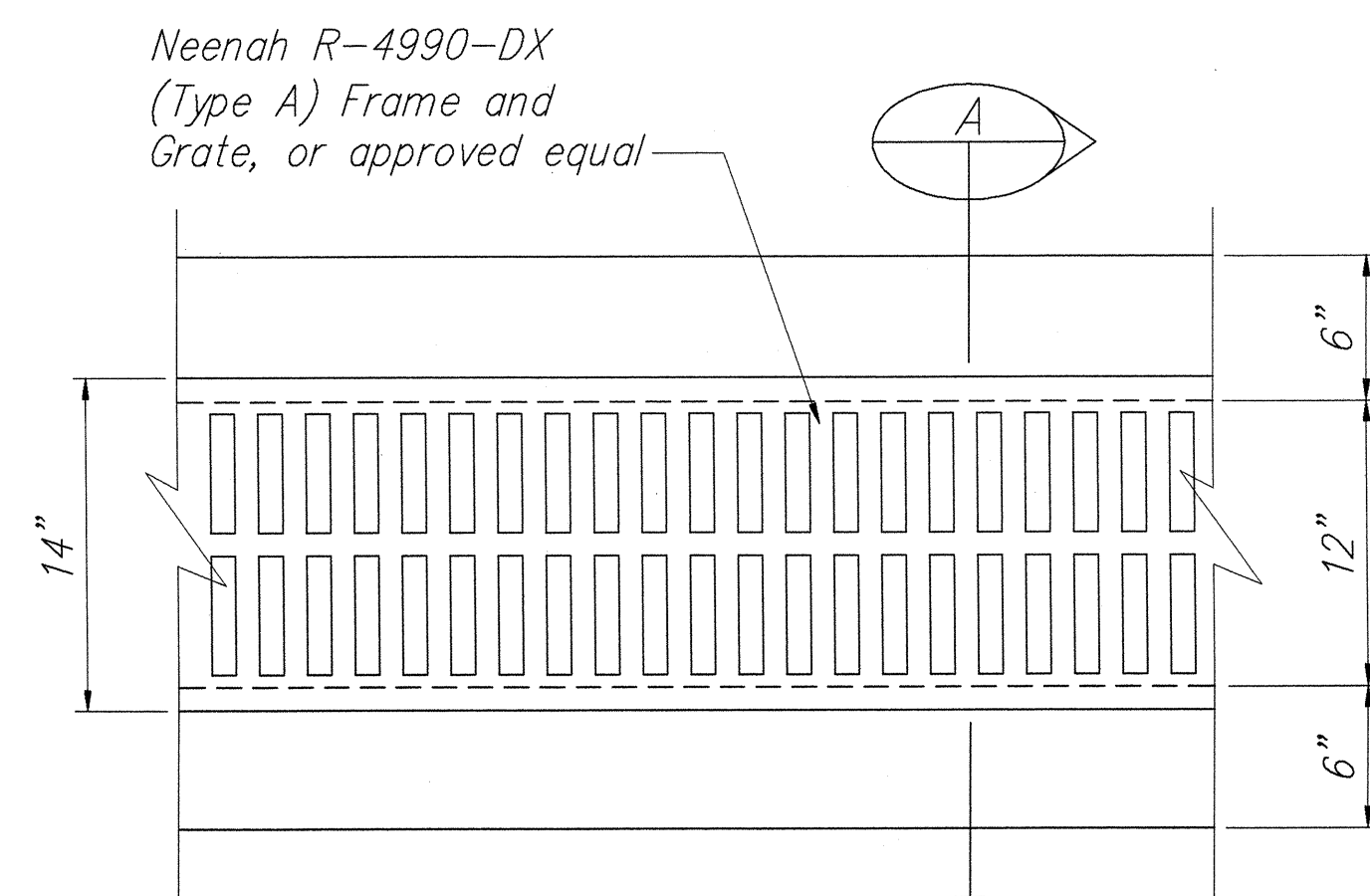


TYPE I DRAIN INLET

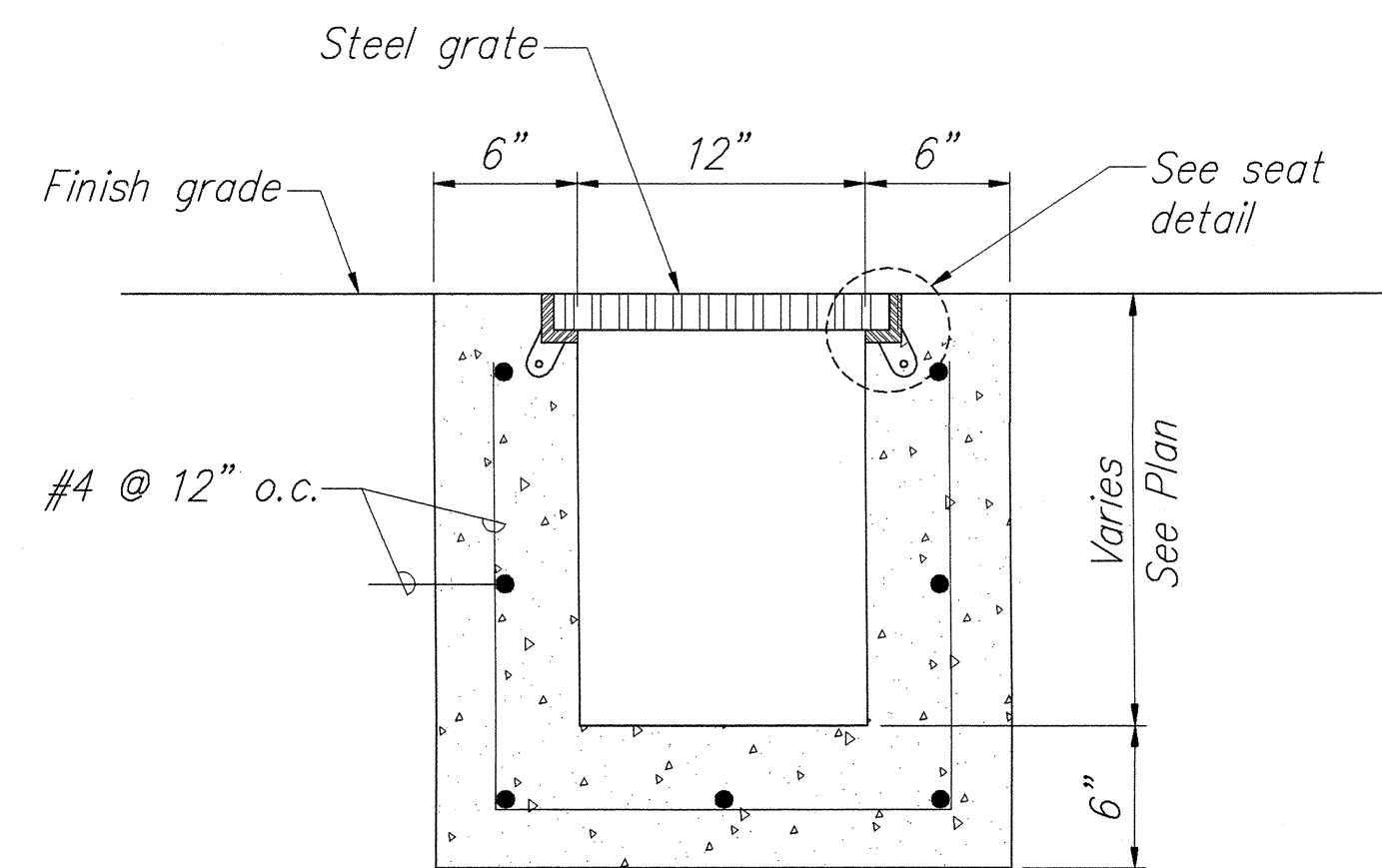
SCALE: 3/4" = 1' - 0"

- Materials:
- (A) All concrete shall be Class A concrete with a minimum compressive strength of 3000 psi (28 days).
 - (B) All reinforcing steel shall be ASTM A 615 Grade 60 unless otherwise noted.
 - (C) All structural steel shall be ASTM A 36 hot dip galvanized after fabrication, unless otherwise noted.
 - (D) All anchor bolts, washers and nuts shall be ASTM A 307 hot dip galvanized after fabrication, unless otherwise noted.

TYPICAL DETAILS OF TYPE 5015014P STEEL FRAME AND GRATES



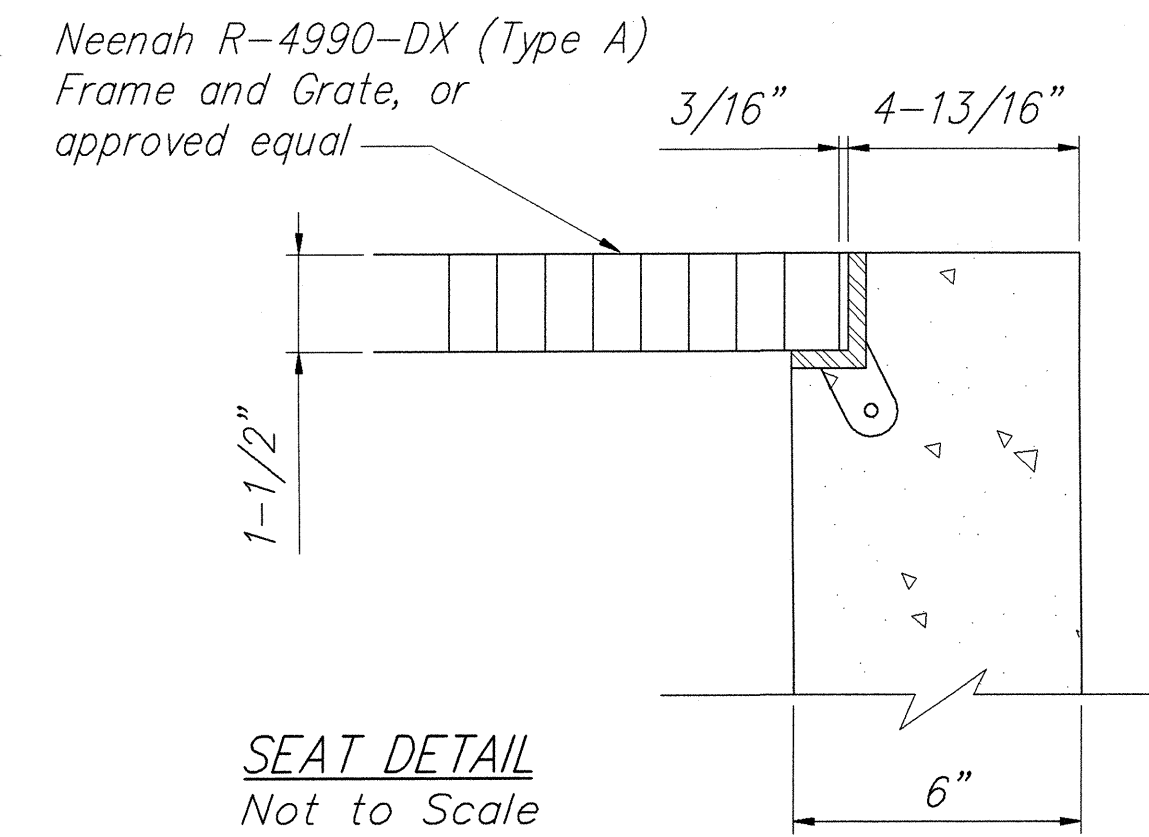
PLAN



SECTION "A"

TRENCH DRAIN DETAIL

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



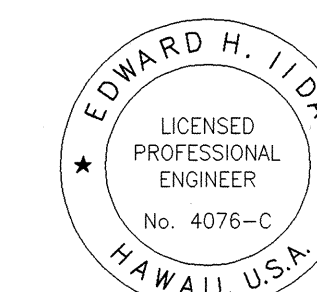
SEAT DETAIL

Not to Scale

GRAPHIC SCALE:



SCALE: 1/4" = 1'-0"



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

AKAKA FALLS ROAD RESURFACING
Hawaii Belt Road to Honomu Town
Project No. 220A-01-03M

Scale: As Noted Date: April 2003

SHEET No. 1 OF 2 SHEETS

THIS WORK WAS PREPARED BY ME OR
UNDER MY SUPERVISION
MITSUNAGA & ASSOCIATES