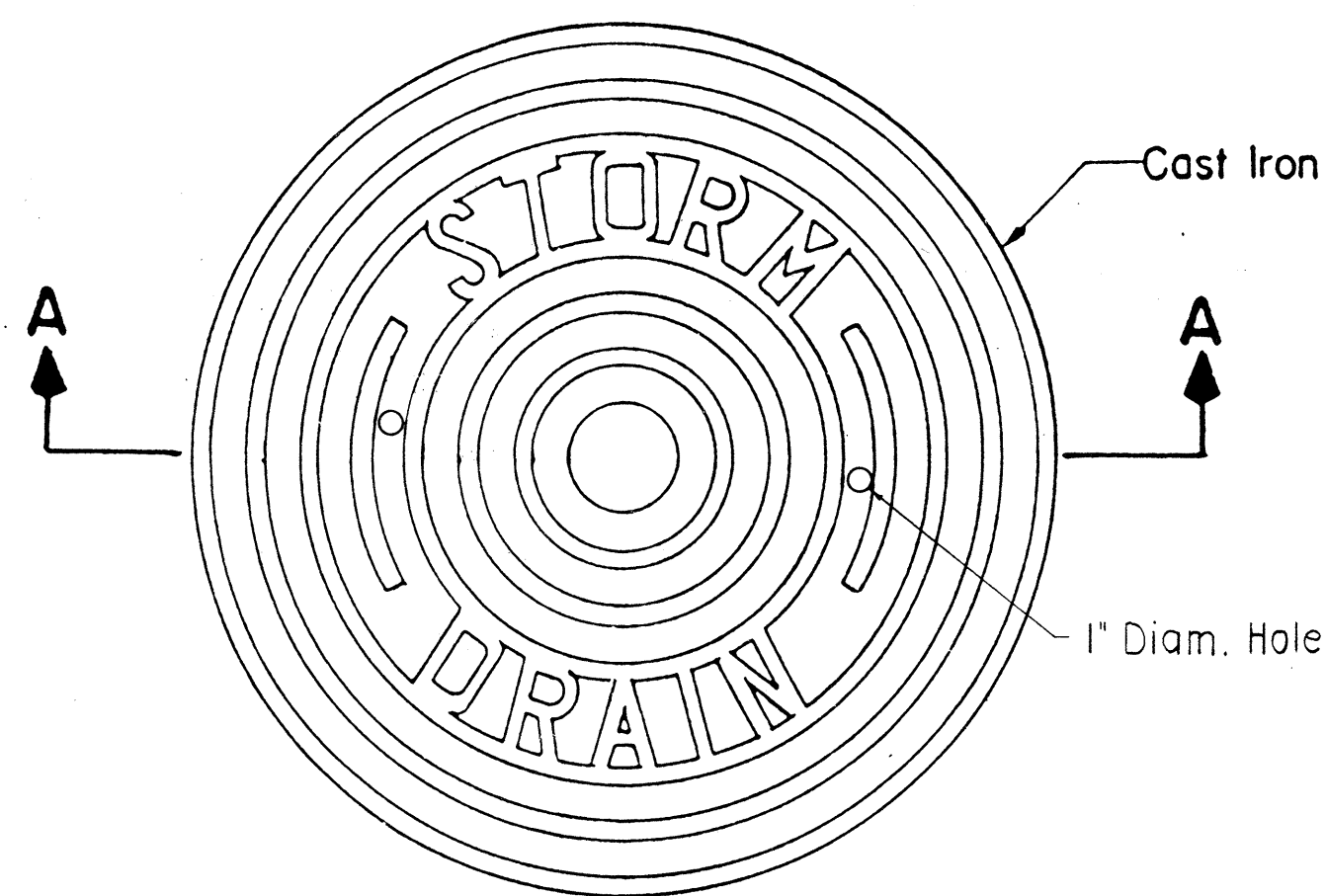
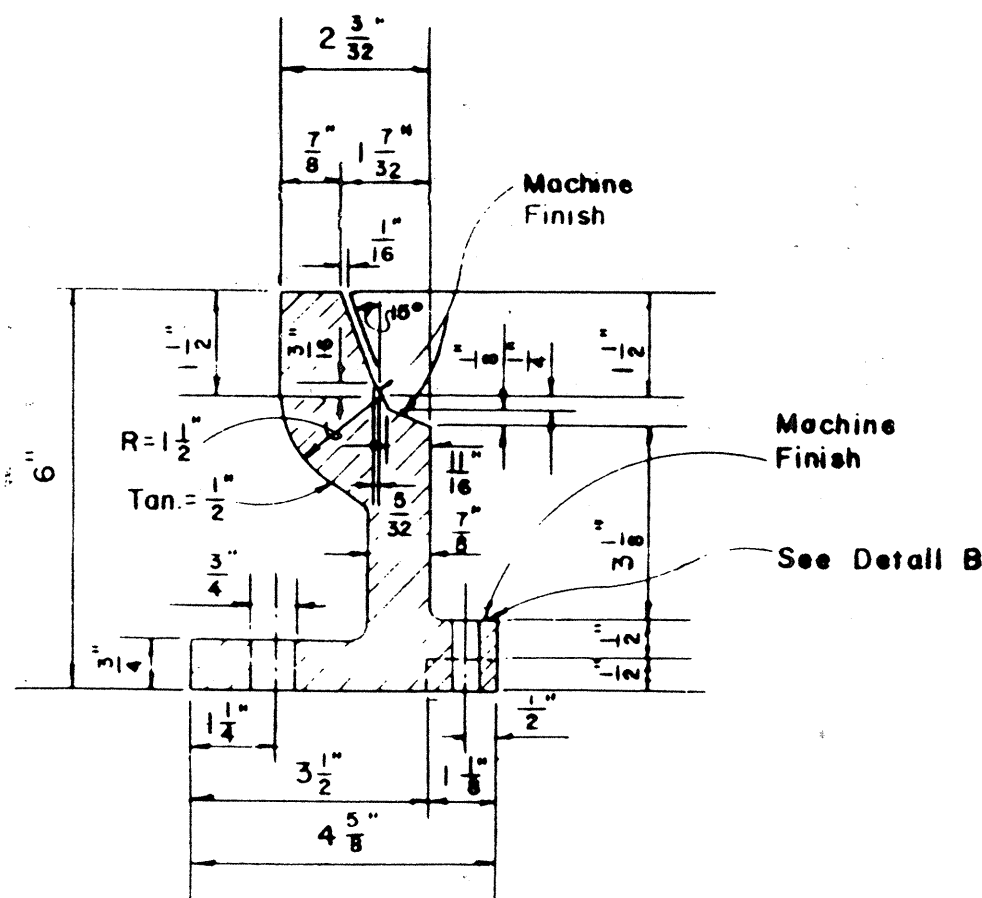


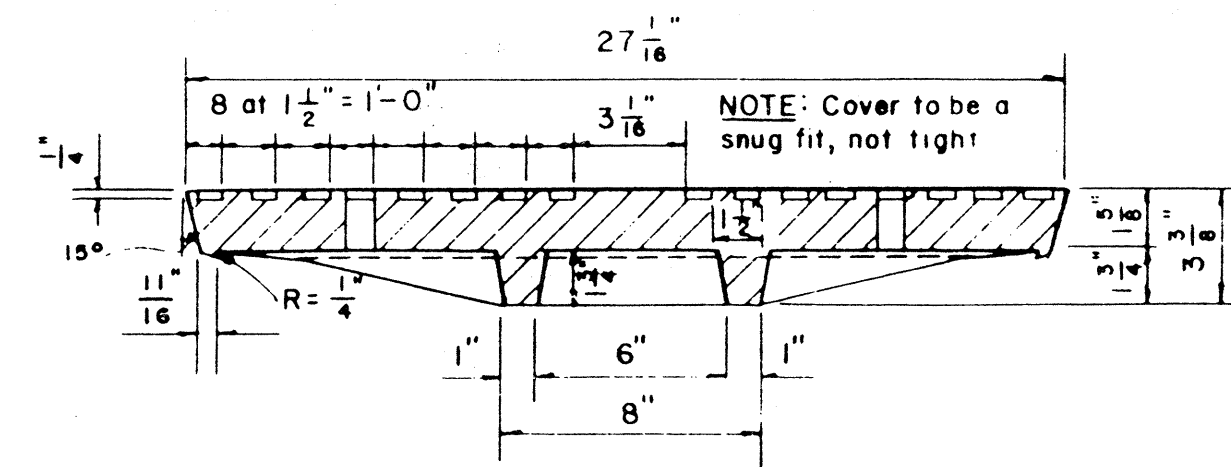
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37C-01-89	1989	8	10



PLAN OF PRESSURE MANHOLE COVER



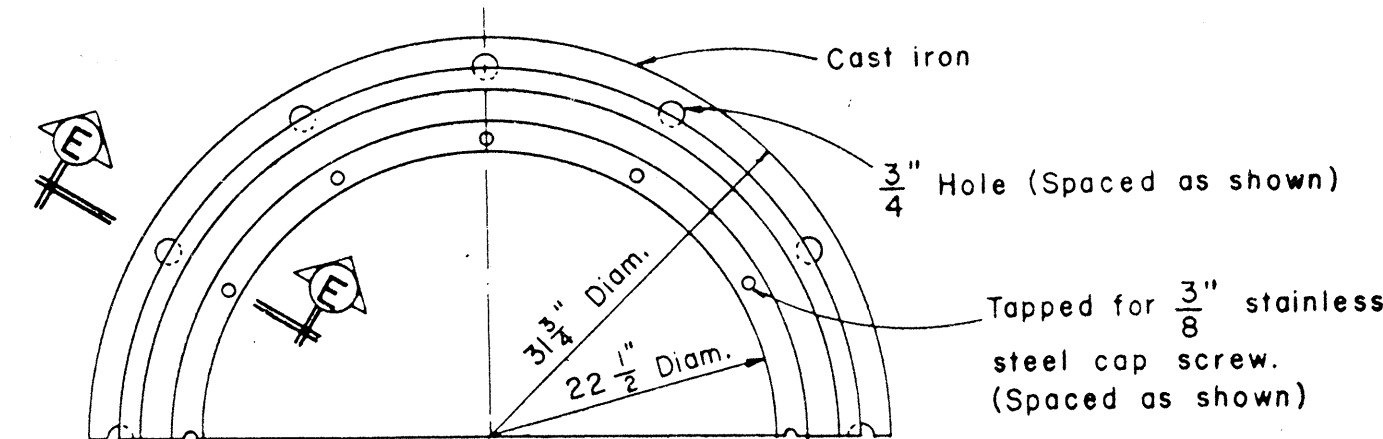
SECTION E-E



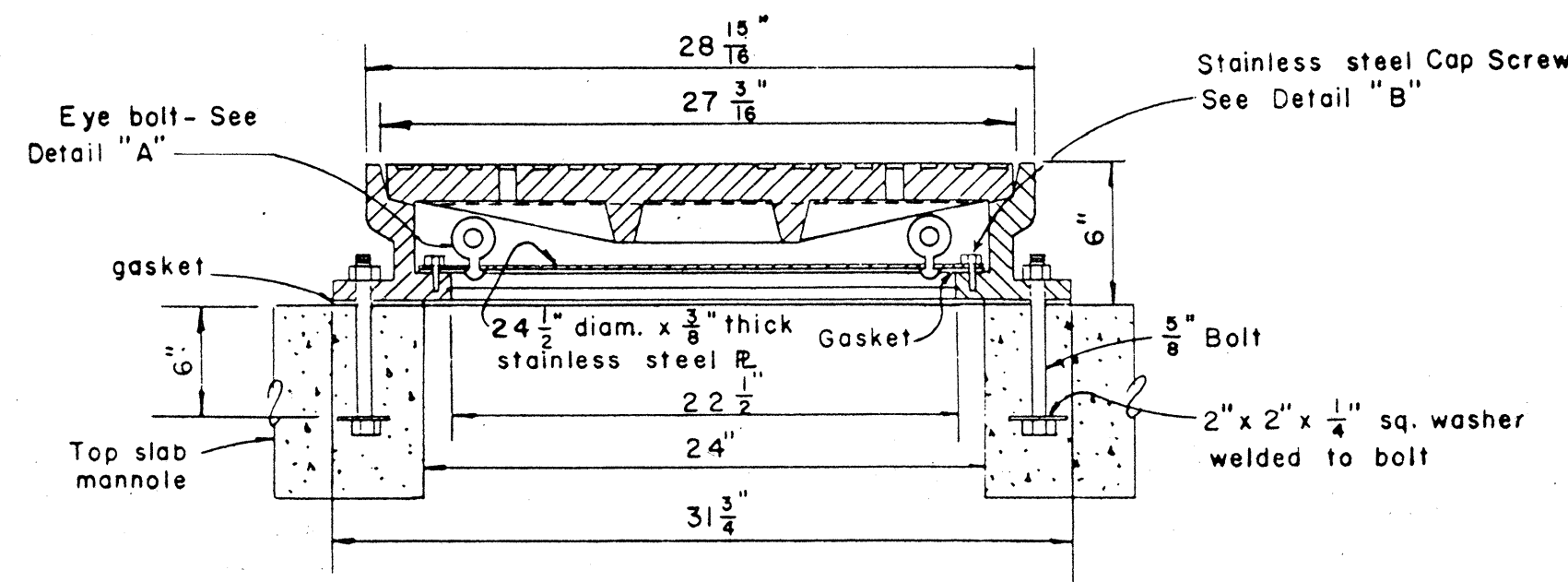
SECTION A-A

NOTES:

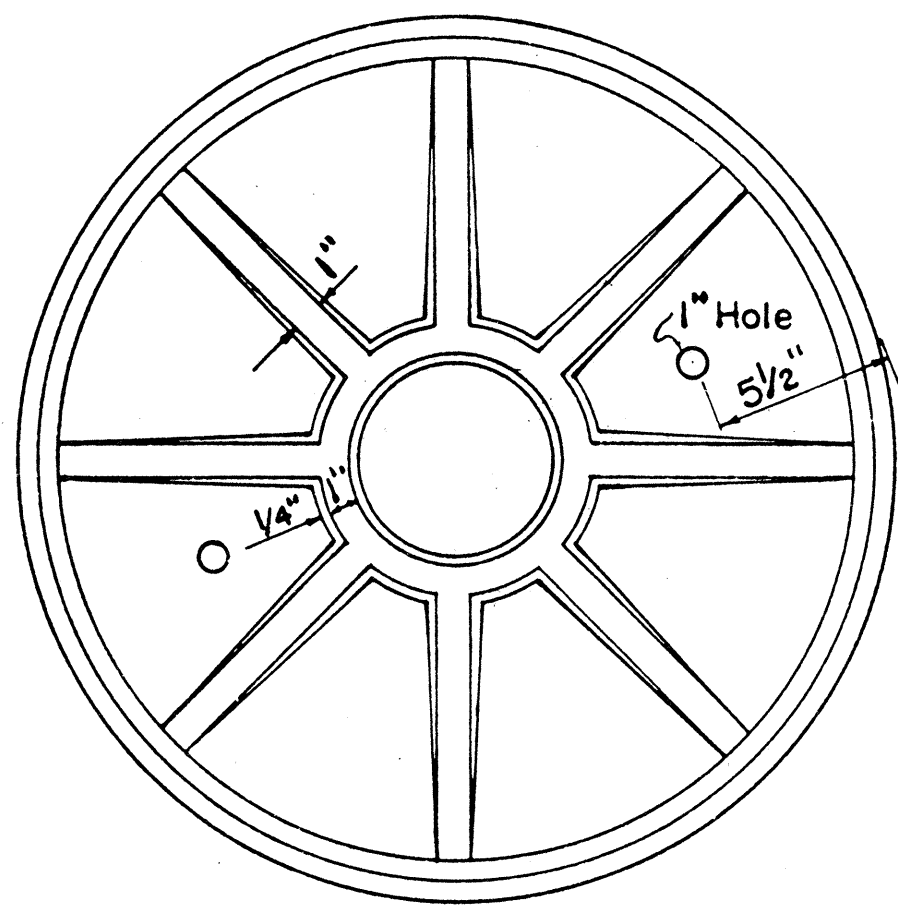
1. Gaskets shall be from $\frac{1}{16}$ inch thick Crandall No. 1906 or Garlock No. 19.
2. The Pressure Plate and Cap Screws shall be stainless steel ASTM Designation A 240 or A 167, AISI type 316 or 321.
3. Anchor Bolts shall be Silicon Bronze ASTM Designation B 98-52.
4. All parts of the manhole frame and cover and the pressure plate shall be coated with Inertal No. 49.
5. Maximum Allowable Pressure - 25' Head of water.



HALF PLAN-MANHOLE FRAME

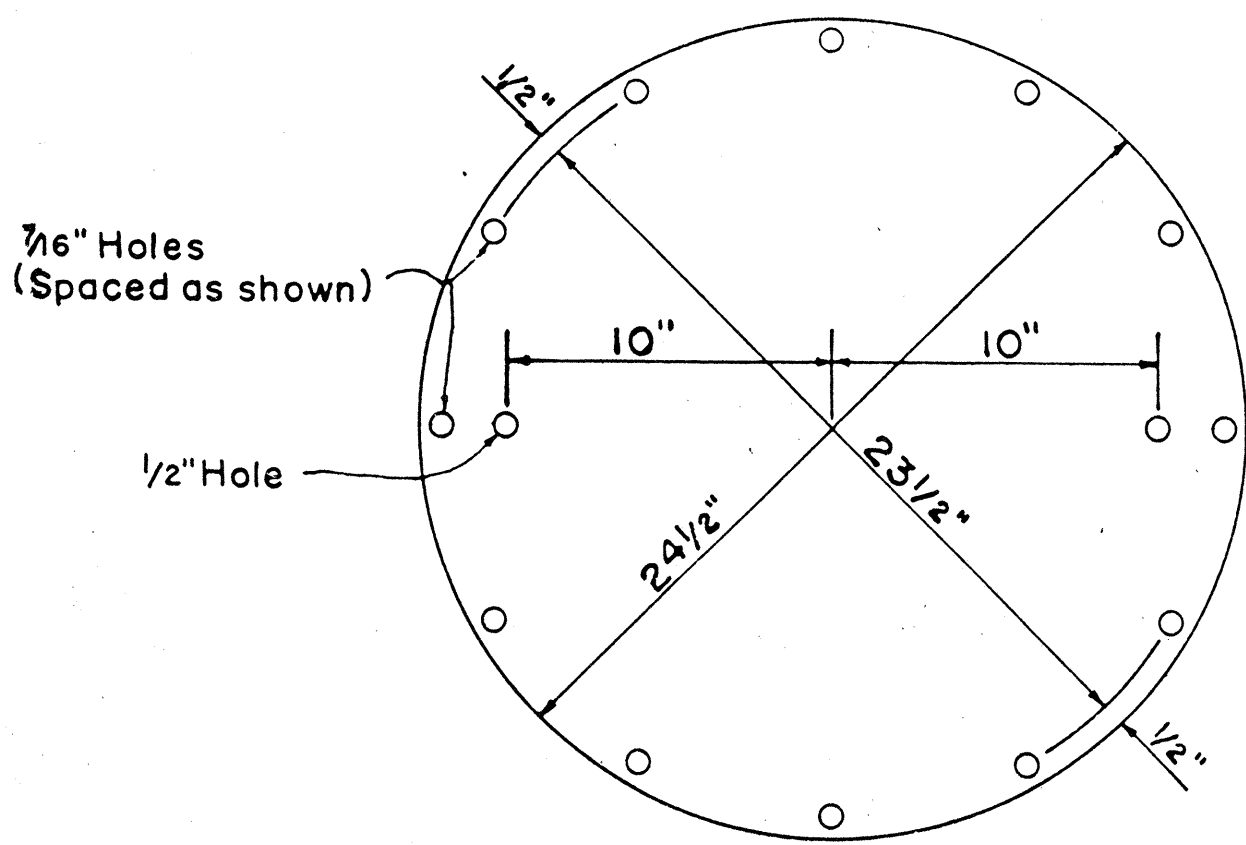


SECTION-MANHOLE FRAME & COVER



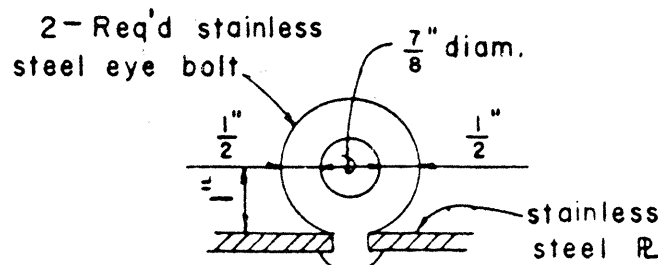
BOTTOM VIEW OF PRESSURE MANHOLE COVER

Not to Scale



PLAN OF PRESSURE PLATE

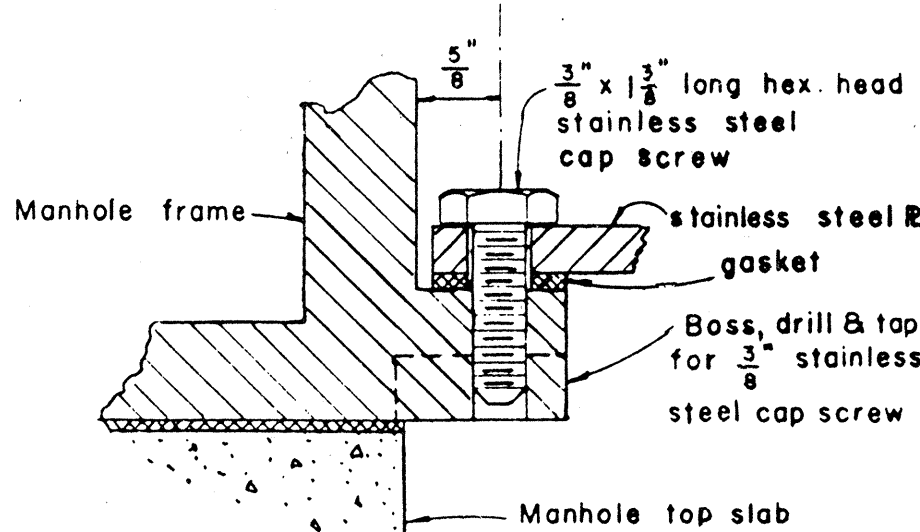
Not to Scale



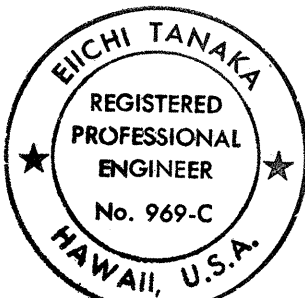
DETAIL "A"

PRESSURE MANHOLE FRAME & COVER

N. T. S.



DETAIL "B"



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Eichi Tanaka

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MANHOLE FRAME & COVER DETAILS

HALEAKALA HIGHWAY
TRAFFIC SIGNALS AT MAKAWAO AVENUE
PROJECT NO. 37C-01-89

SCALE: AS NOTED DATE: JAN. 1989
SHEET No. 2 OF 2 SHEETS