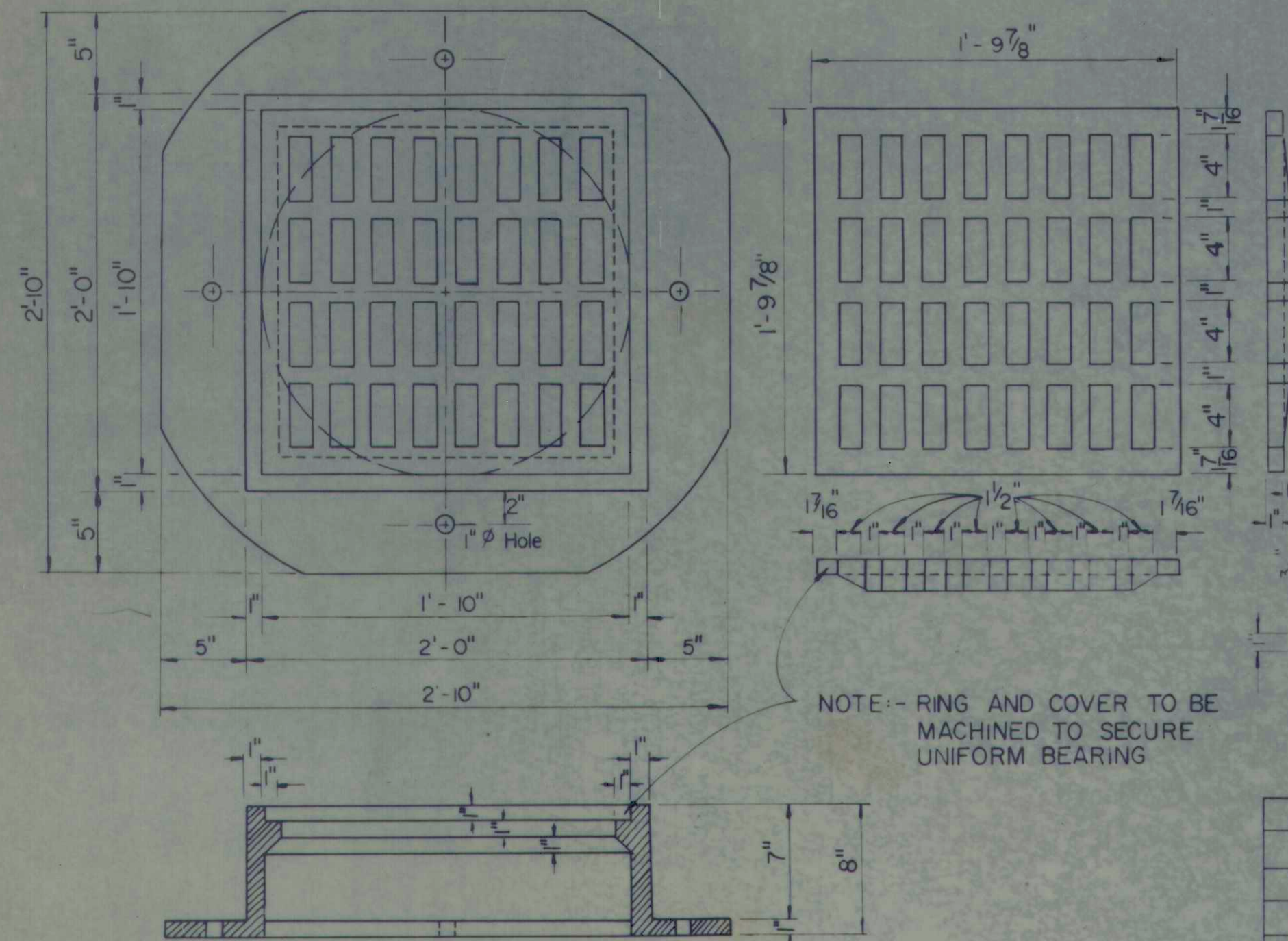
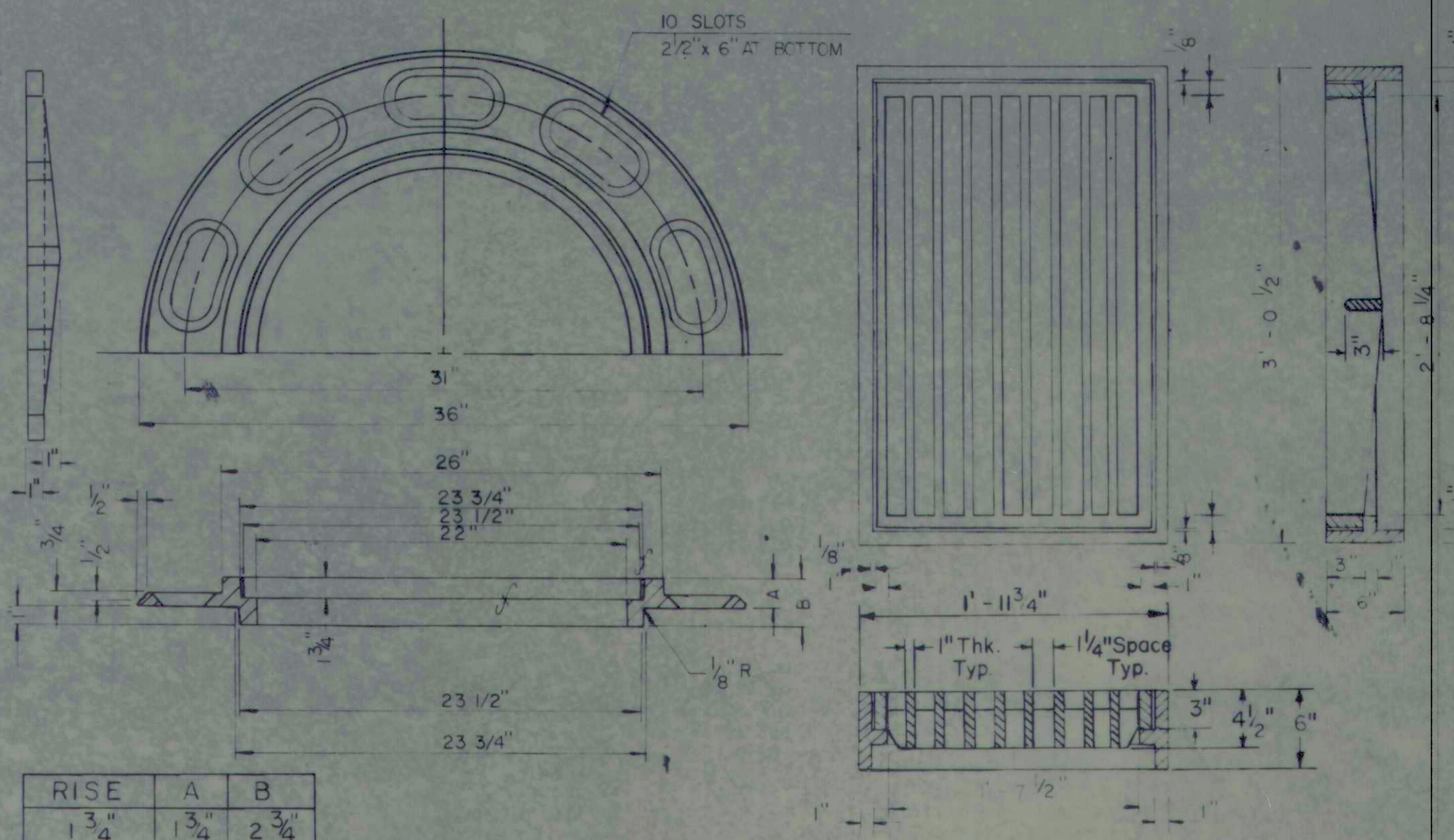




**TYPE 2 RING & COVER
FLAT TOP GRATE CASTING**

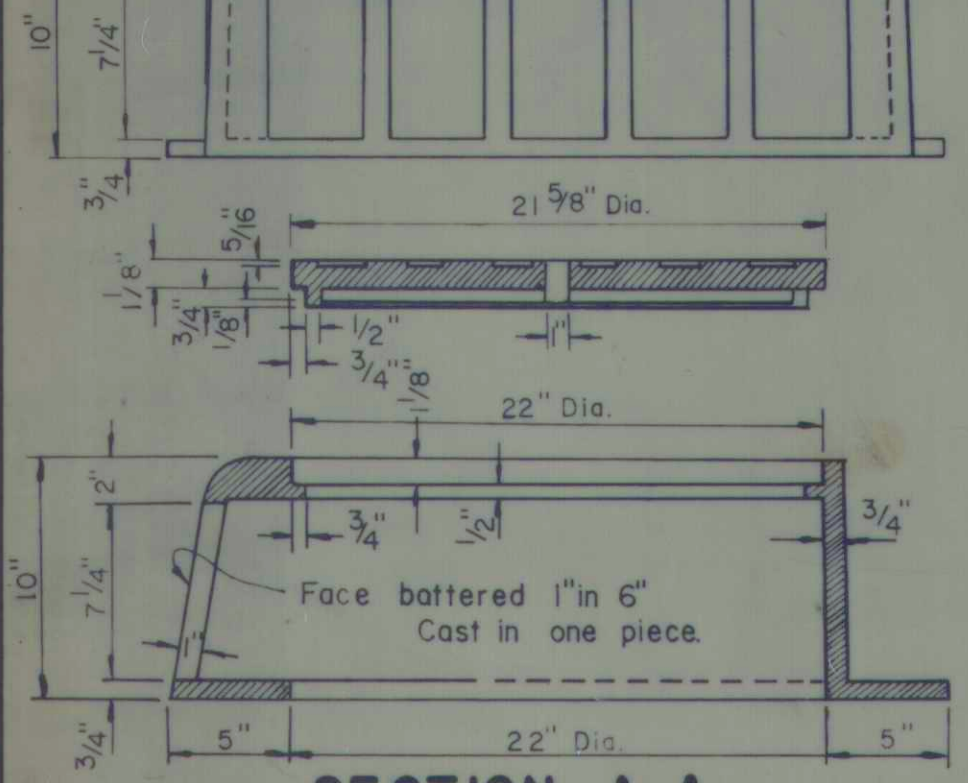
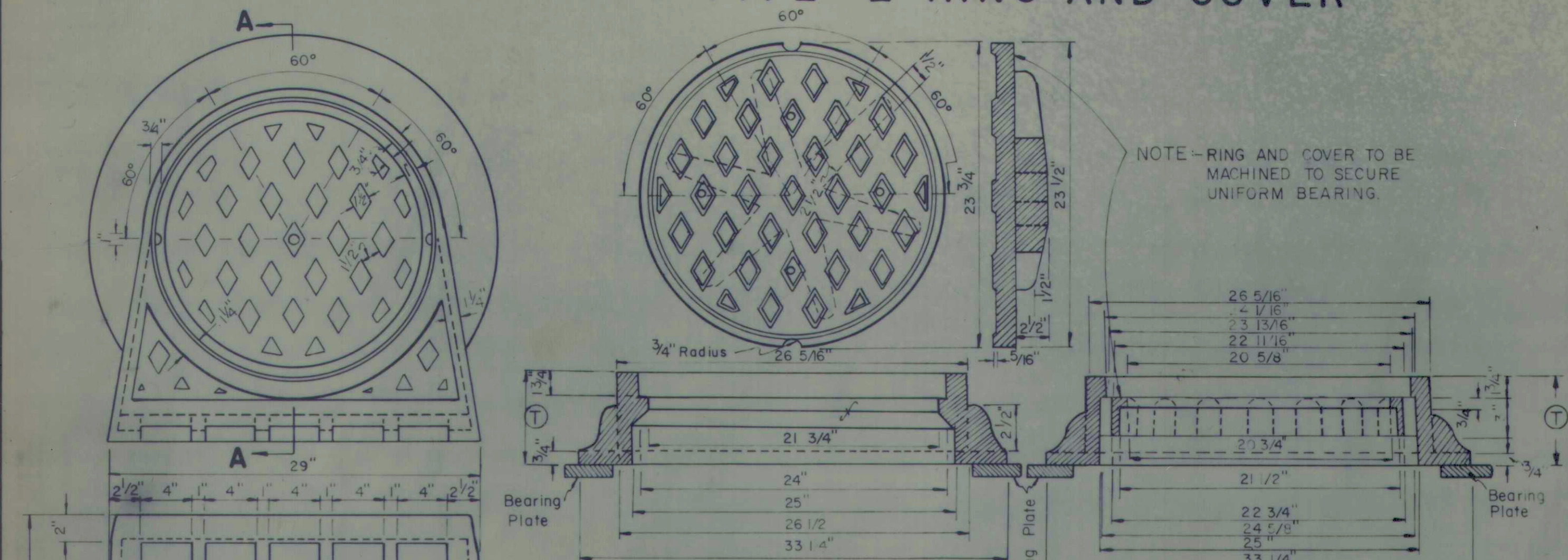


RISE	A	B
1 3/4"	1 3/4"	2 3/4"
2"	2"	3"
2 1/2"	2 1/2"	3 1/2"
3"	3"	4"

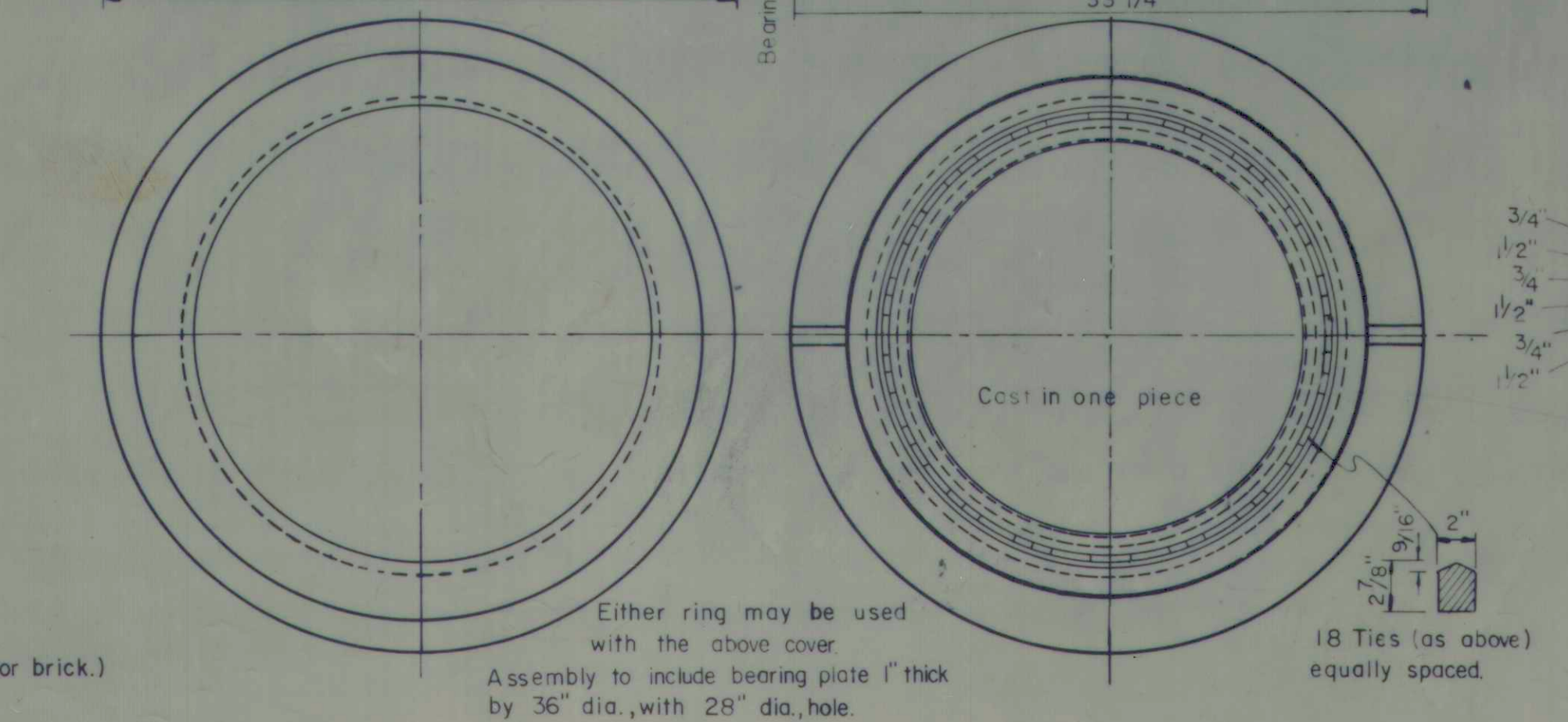
**ADJUSTING RING
(MANHOLE)**
ALTERNATE ADJUSTING RINGS MAY BE
USED SUBJECT TO THE APPROVAL OF
THE ENGINEER.

CASTING TYPE 5

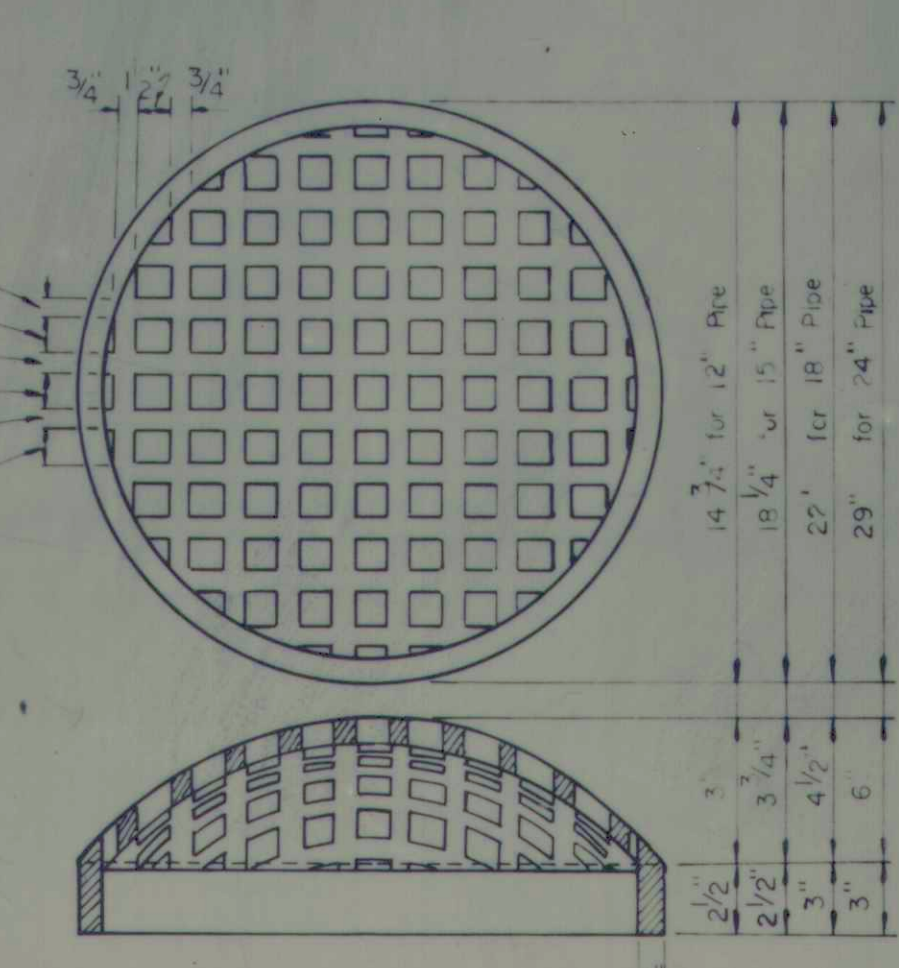
TYPE 2 RING AND COVER



**SECTION A-A
TYPE 3 RING & COVER
CURB INLET CASTING**



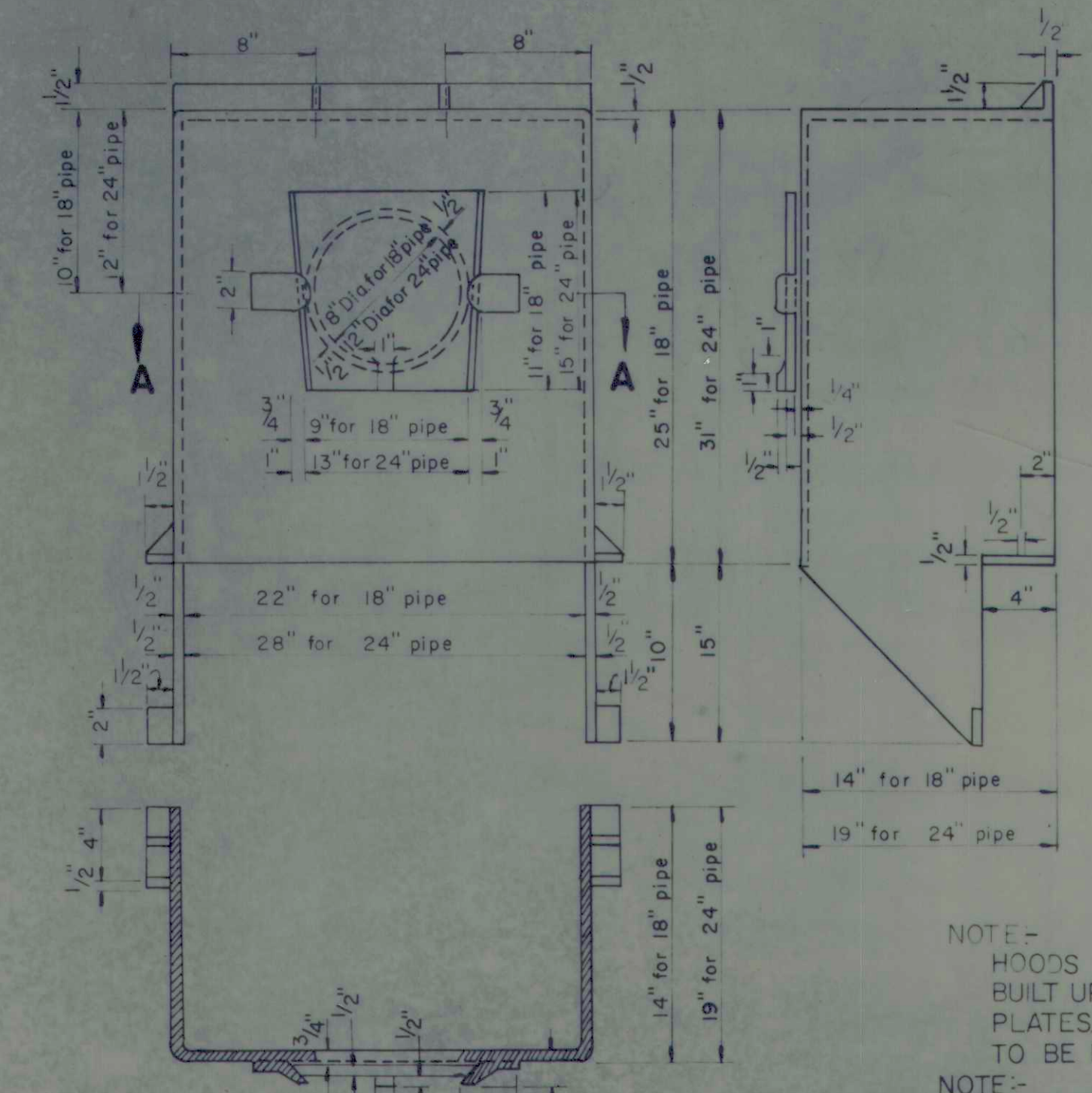
**TYPE 4 RING & COVER
MANHOLE CASTING**



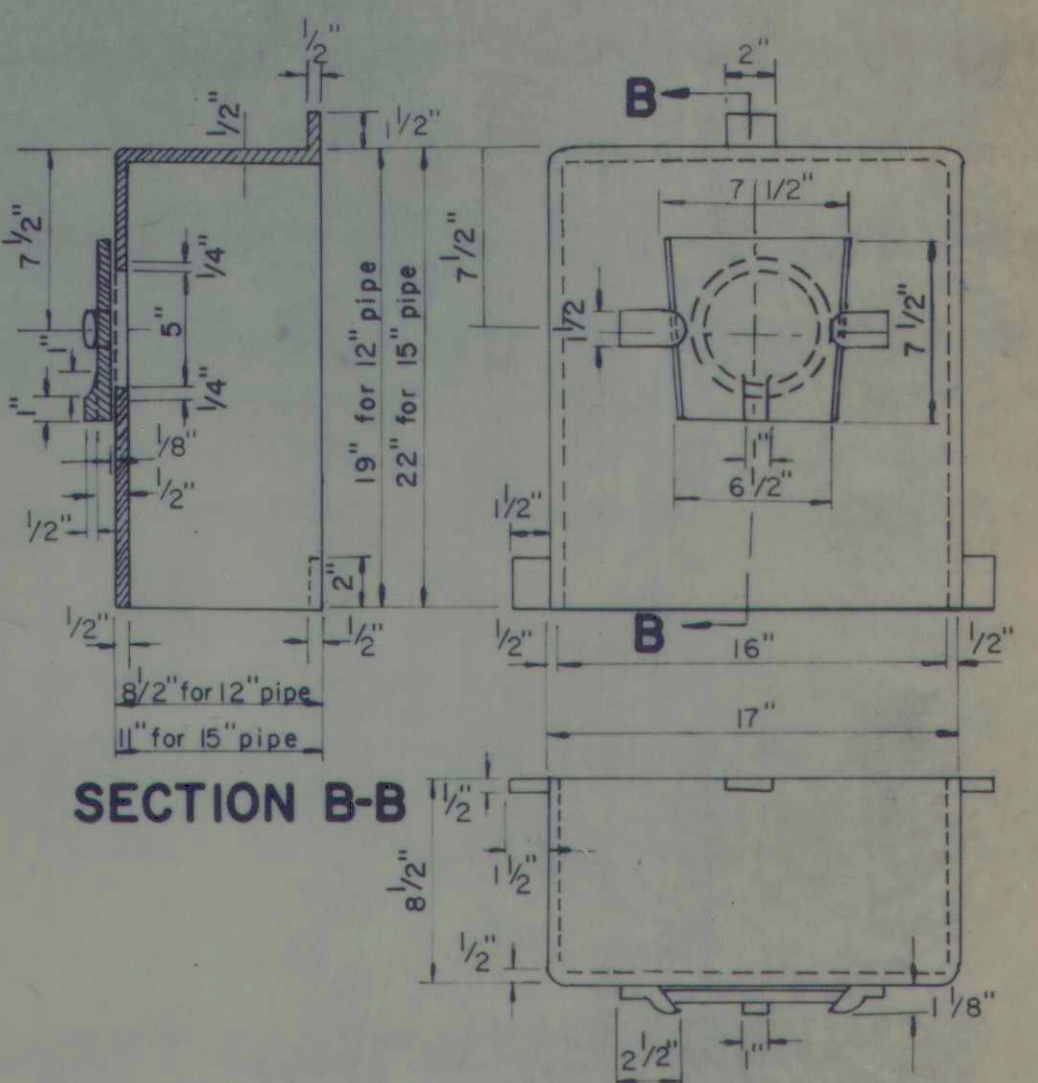
**PIPE CATCH BASIN
CASTING**

GENERAL NOTES

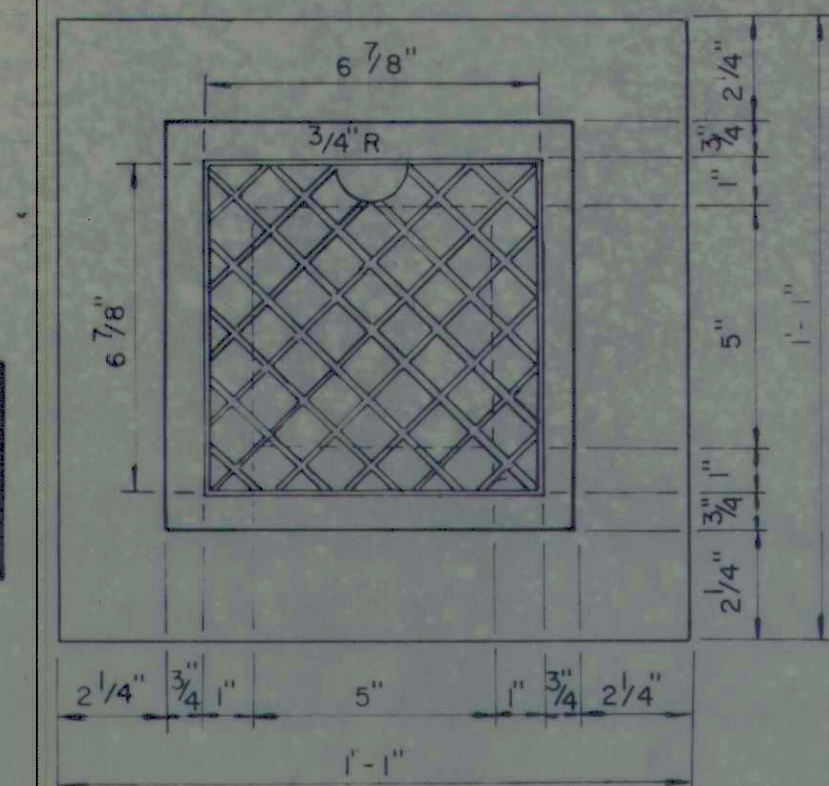
- All Grates and Manhole Covers shall be cast of Ductile Iron or Steel and all Frames, Rings and Curb Boxes shall be cast of Gray Iron unless otherwise specified. See Standard Specifications.
- Grates shall be placed with the maximum dimension of the rectangular opening parallel to the direction of flow.
- Thickness for all manhole rings shall be a minimum of 7" when placed in flexible pavement and equal to the thickness of pavement when placed in concrete pavement, with a minimum of 7".



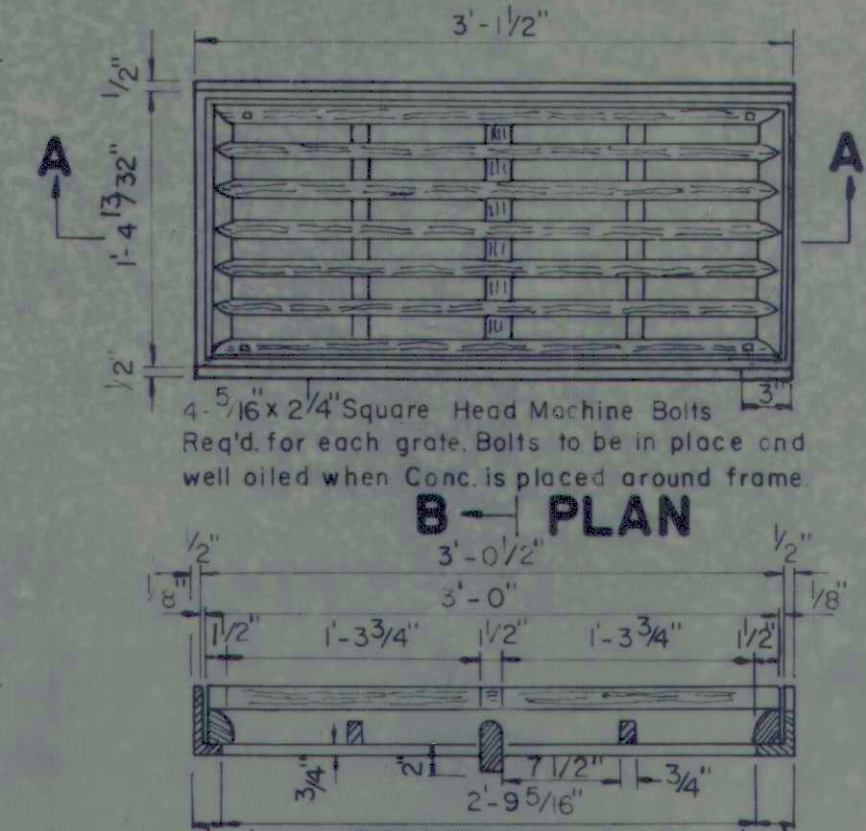
**SECTION A-A
FOR 18" & 24" PIPE
DETAILS OF CATCH BASIN HOODS**



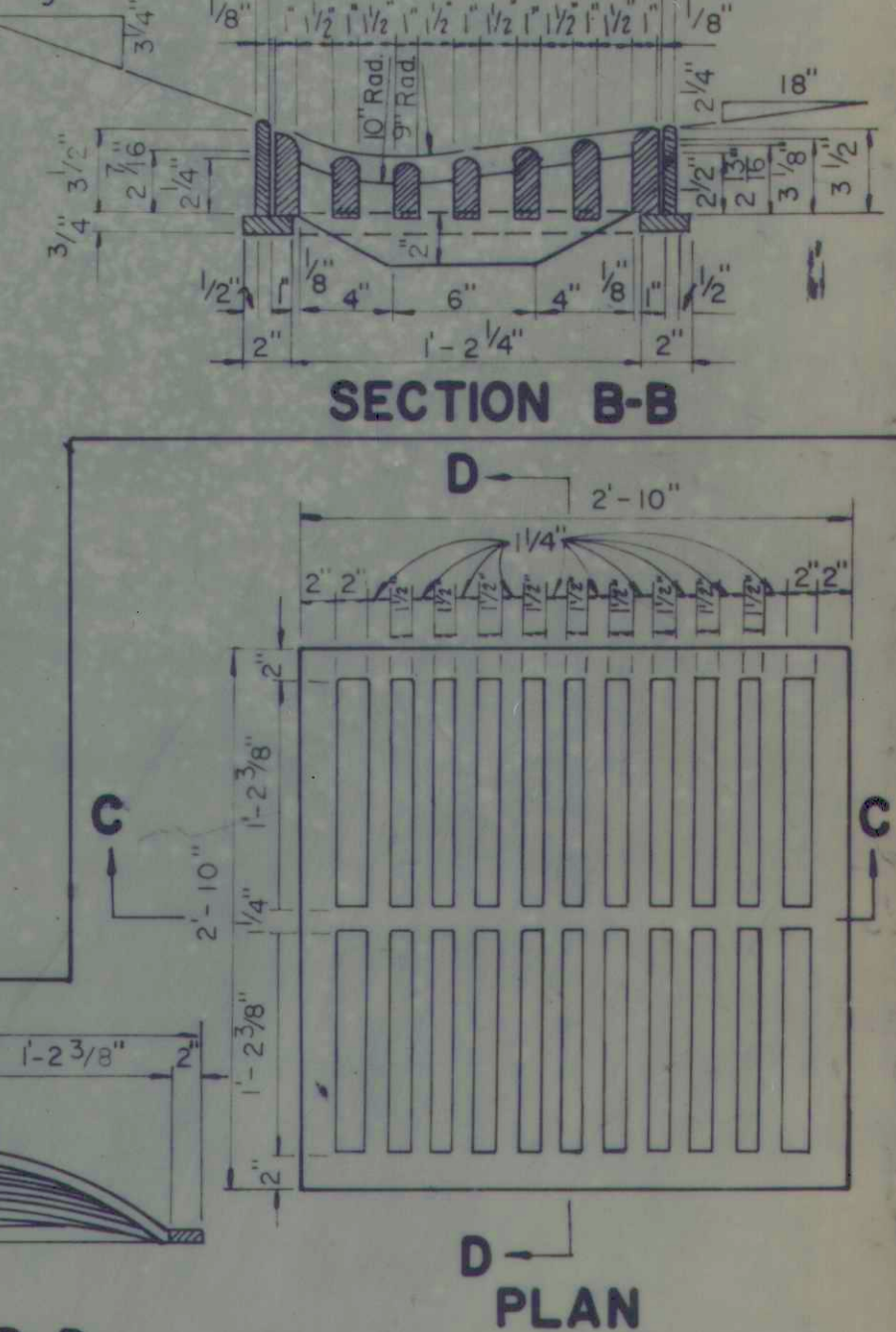
FOR 12" & 15" PIPE



TYPE 6 INLET CASTING



**SECTION C-C
TYPE 7 EARTH DITCH CASTING**



**MISCELLANEOUS
STANDARDS
STATE OF INDIANA**

SEPT. 1974

RECOMMENDED FOR APPROVAL
APPROVED
APPROVED

REVISIONS
7-1-76 TYPE 4
9-1-76 TYPE 5
8-1-78 TYPE 5

**SHEET
M C**