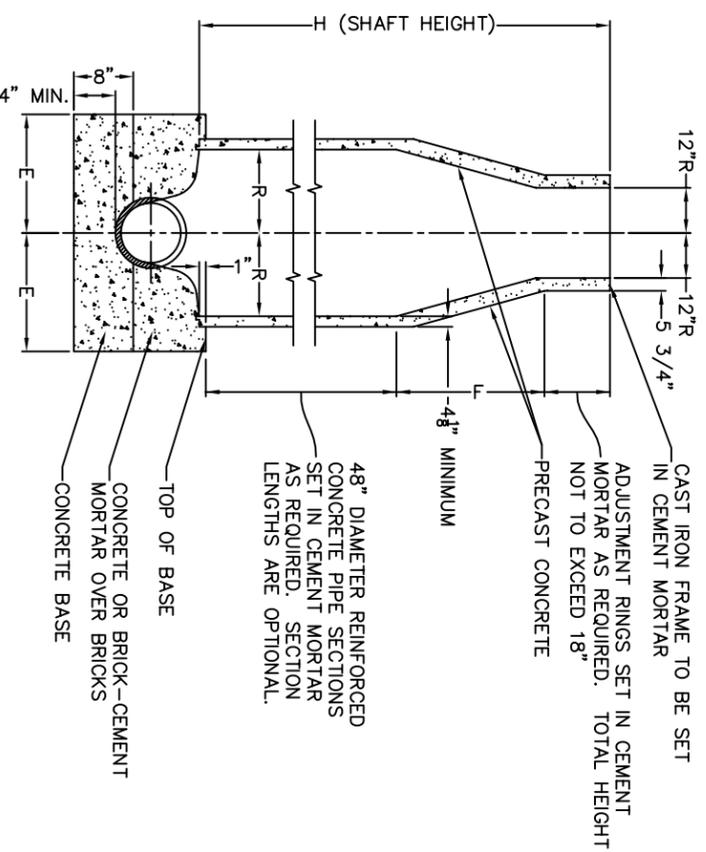


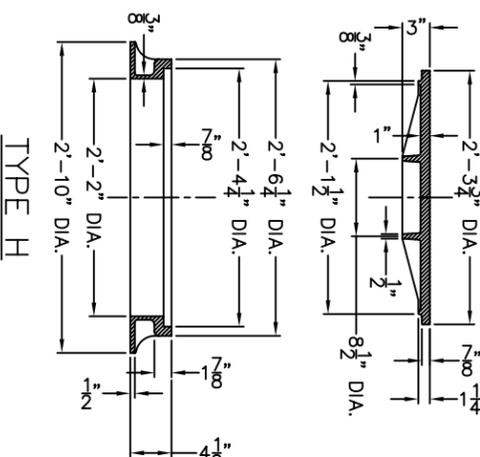
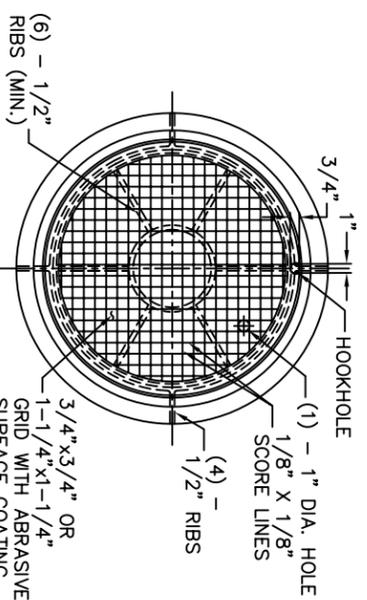
SECTIONAL PLAN

H	R	E	F
3'-6" OR LESS	1'-6"	2'-3"	2'-6" MAXIMUM
OVER 3'-6"	2'-0"	2'-9"	3'-0" MAXIMUM

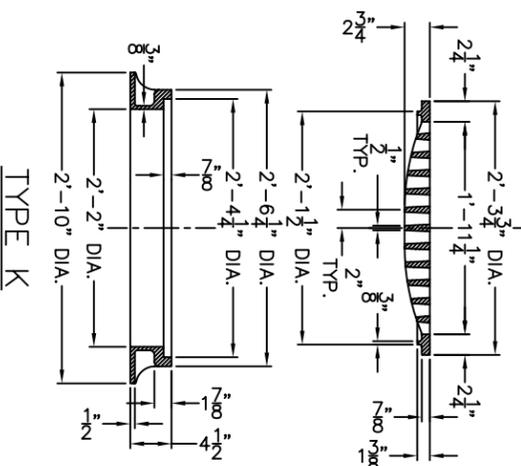
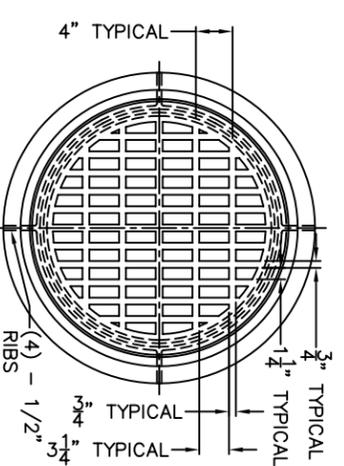


SECTIONAL ELEVATION

SHAFT AND BASE DETAILS

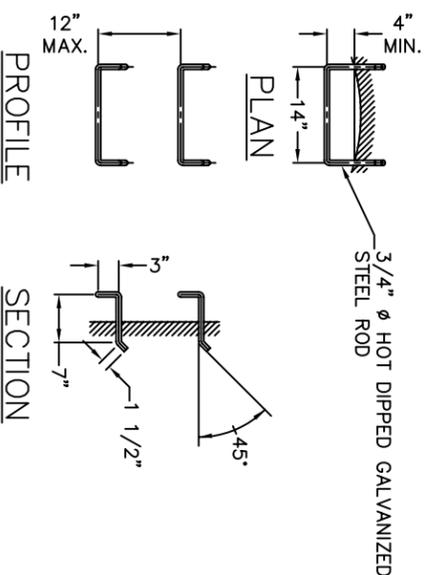


TYPE H



TYPE K

FRAME AND COVER DETAILS



STEP DETAILS

- GENERAL NOTES**
1. FRAMES AND COVERS TO CONFORM TO SECTION 206-3.
 2. ALL CONTACT AND BEARING SURFACES OF BOTH FRAME AND COVER SHALL BE MACHINED TO FIT ACCURATELY.
 3. TYPE H FRAME AND COVER ARE USED ON MANHOLES IN PUBLIC STREETS, DRIVeways, PATHS, RESERVES AND RIGHTS-OF-WAY AND WHERE INDICATED ON PLANS (TYPE I-H MANHOLES).
 4. TYPE K FRAME AND COVER ARE USED ON MANHOLES WHERE INDICATED ON PLANS (TYPE I-K MANHOLES).
 5. CONVERSION TO METRIC EQUIVALENTS SHALL BE IN CONFORMANCE WITH ASTM A-380.
 6. STEPS SHALL BE 3/4" DIA. HOT DIPPED GALVANIZED STEEL ROD AND OF THE DROP TYPE.
 7. THE CONTRACTOR SHALL HAVE THE OPTION TO USE POLYPROPYLENE PLASTIC STEPS IN PRECAST MANHOLES (PS2-PF MANHOLE STEPS MANUFACTURED BY M. A. INDUSTRIES INC. OR APPROVED EQUAL).

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE SIGNED CITY OF OAKLAND STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION IS AVAILABLE FOR PURCHASE FROM THE CONTRACT ADMINISTRATION DEPARTMENT.

CITY OF OAKLAND

DESIGN AND CONSTRUCTION SERVICES DEPARTMENT



ENGINEERING DESIGN MANAGER
DATE : FEBRUARY 2002
REV. DATE :
DRAWING
D-11