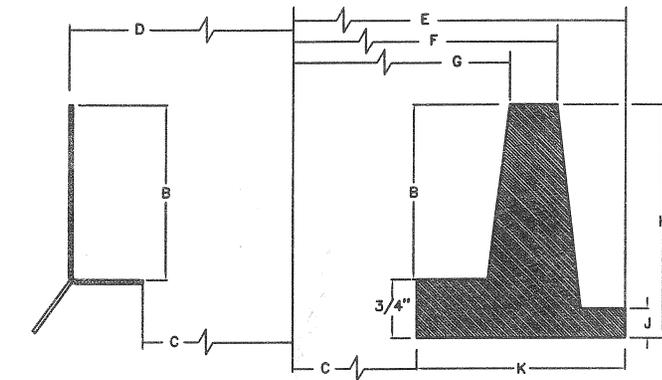


PLAN VIEW



SECTION



STEEL FRAME

CAST IRON FRAME

GRATE FRAMES

NOTES:

1. GRATE AND CAST IRON FRAME ARE CAST OF GRAY IRON CONFORMING TO ASTM A-48, FEDERAL SPECIFICATIONS RR-F-621C. MINIMUM TENSILE STRENGTH OF THE MATERIAL SHALL BE 30,000 PSI.
2. ALL BEARING SURFACES ARE MACHINED.
3. CASTING SHALL BE OF UNIFORM QUALITY, FREE FROM BLOW HOLES OR DISTORTION DEFECTS. THE FIT AND FINISH SHALL MEET INDUSTRY STANDARDS BEING WELL CLEANED BY SHOT BLASTING PRIOR TO RECEIVING COATING.
4. STANDARD CAST IRON COATING SHALL BE BLACK ASPHALT BASED DIP COATING.
5. THE SET SHALL BE RATED FOR NON HIGHWAY H-20 VEHICLE TRAFFIC LOADS.
6. STEEL FRAMES SHALL BE FABRICATED FROM 12 GAGE HOT ROLLED STEEL SHEET CONFORMING TO ASTM A-415. THE SHEET SHALL BE SHEARED TO SIZE PRIOR TO FORMING. CORNERS AND ANCHOR TABS SHALL BE CONTINUOUS WELDED. WELD SLAG AND BURRS SHALL BE REMOVED.
7. STEEL FRAMES ARE SUPPLIED STANDARD WITH OIL COATING. BOTH STEEL FRAME AND CAST IRON FRAME AS WELL AS THE GRATE ARE OPTIONALLY AVAILABLE PAINTED, COATED, OR GALVANIZED.
8. GRATE WEIGHT FOR THE 18" OPENING IS 90 POUNDS, AND FOR THE 24" OPENING 176 POUNDS.

2012 CAST IRON GRATE
 WITH CAST IRON OR STEEL FRAME
 FOR 18" OR 24" SQUARE OPENINGS
 DESIGNED FOR
 NON-HIGHWAY H-20 VEHICLES LOADING



P.O. BOX 602
 HIGHLAND, CA 92346
 909 793-7602 800 945-8265
 Fax: 909 793-1283

ALL DIMENSIONS IN INCHES											
OPENING SIZE	A	B	C	D	E	F	G	H	J	K	OPENING SIZE
18" X 18"	20	1 1/2	18	20 1/4	22 3/4	22 3/4	20 1/16	2 1/4	1/2	2 3/8	18" X 18"
24" X 24"	26	2 1/2	24	26 1/4	29 1/8	27 1/2	26 1/16	3 1/4	3/4	2 1/2	24" X 24"

DATE:
12-6-99

DRAWN BY:
B. BRAKE

SCALE:
1" = 1'

DWG #
1126