

GROUND LEVEL

ACCESS HATCH

3" MIN.

5

7

10

2

4

6

9

2'-6" ±

3

ELEVATION

SUPPORT

Detailed description: This technical drawing is an elevation view of a manhole assembly. It shows a rectangular concrete structure with a central access hatch. Two vertical riser pipes, labeled 4, extend from the bottom of the structure. Each riser pipe is equipped with a valve assembly, labeled 10, which includes a handwheel and a stem. The riser pipes are connected to a horizontal pipe, labeled 5, which passes through the structure. The horizontal pipe is secured with flanges, labeled 7. The structure is supported by a base, labeled 3, which is shown in cross-section. The ground level is indicated by a hatched line at the top. A dimension of 3" MIN. is shown for the top of the structure. A dimension of 2'-6" ± is shown for the height of the riser pipes. The word 'ELEVATION' is written at the bottom, and 'SUPPORT' is written near the base. Various components are numbered: 2 for the hatch, 4 for the riser pipes, 5 for the horizontal pipe, 6 for the structure walls, 7 for the flanges, 9 for the base, and 10 for the valve assemblies.

DEVICE SIZE	INSIDE VAULT DIMENSIONS(1)	UTIL. VAULT CO. VAULT NO.(2)	BILCO HATCH
3"	6'-6"L x 4'-2"W x 6'-0"H	577-LA	3'-6" X 3'-6" SINGLE LEAF
4"	6'-6"L x 4'-2"W x 6'-0"H	577-LA	3'-6" X 3'-6" SINGLE LEAF
6"	8'-0"L x 6'-0"W x 7'-0"H	687-LA	4'-0" X 6'-0" DOUBLE LEAF
8"	8'-0"L x 6'-0"W x 7'-0"H	687-LA	4'-0" X 6'-0" DOUBLE LEAF

1. MINIMUM INSIDE HEIGHT. ACTUAL HEIGHT MAY VARY AS SITE CONDITIONS DICTATE. PROVIDE ADJUSTING RINGS AS REQUIRED.
2. PROVIDE VAULT WITHOUT CHANNELS AND WITH KNOCK-OUTS (CORE ONLY) FOR WATER PIPING ONLY
3. HATCH SHALL BE CAST-IN-PLACE AND OFFSET IN LID AS REQUIRED TO PROVIDE ACCESS TO LADDER. HATCH SHALL BE H20 TRAFFIC LOADING RATED, SHALL DRAIN TO VAULT SUMP AND SHALL BE BILCO CO. OR APPROVED EQUAL.

CROSS VALLEY WATER DISTRICT STANDARD WATER DETAILS

3"-8" DOUBLE CHECK DETECTOR ASSEMBLY

WD-15

NOT TO SCALE

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