

DRILL 9/16" HOLE FOR INSTALLATION OF ADHESIVE ANCHOR

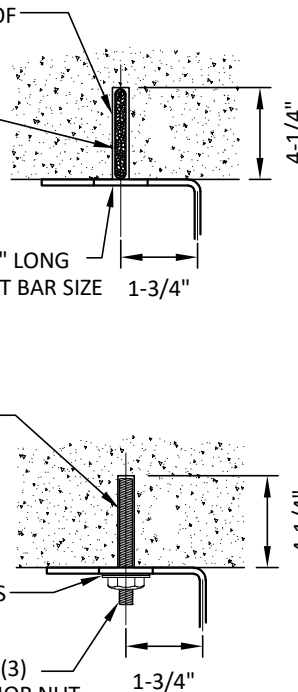
ADHESIVE CARTRIDGE, INSTALL CARTRIDGE PRIOR TO INSTALLATION OF SS ANCHOR ROD

FLAT BAR BRACKET, DRILL 7/8"Ø X 1-1/4" LONG HOLES (TYP). SEE TABLE BELOW FOR FLAT BAR SIZE SPACING.

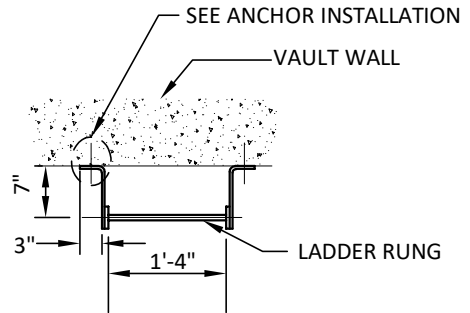
1/2" x 6-1/2" SS ANCHOR ROD. INSTALL SS ANCHOR ROD AND ADHESIVE CARTRIDGE PER MANUFACTURER'S SPECIFICATIONS

SHIM WITH SS WASHERS AS REQUIRED

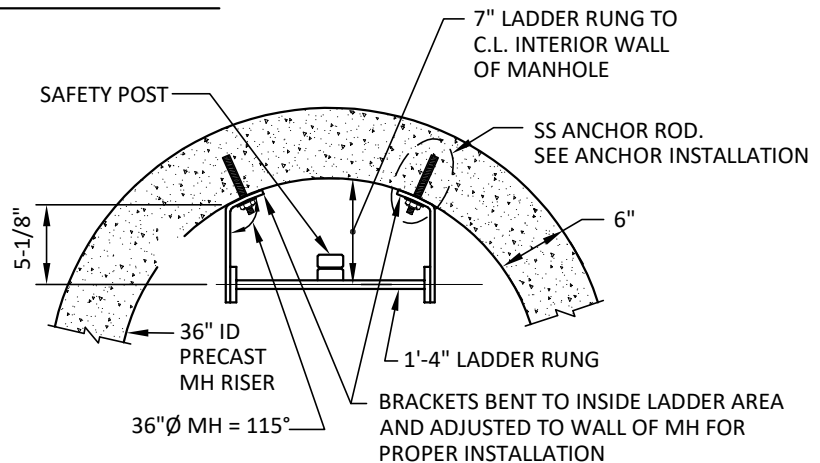
CUT ANCHOR ROD TO ALLOW THREE (3) THREADS TO PROTRUDE FROM ANCHOR NUT AS REQUIRED



ANCHOR INSTALLATION



LADDER IN VAULT



LADDER IN MANHOLE

BRACKET SPACING TABLE

BRACKET SPACING	FLAT BAR SIZE
5'-0" TO 20'-0" OC MAX	3" x 3/8"
OVER 20'-0"	4" x 1/2"

NOTES:

1. LANDING PLATFORM REQUIRED EVERY 20'-0" OF HEIGHT OR FRACTION THEREOF FOR OPEN LADDER. FOR LADDER WITH CAGE, PLATFORM SPACING IS 30'-0" MAX (OSHA 1910.27).
2. APPROVAL OF THE ENGINEER REQUIRED FOR ANY BRACKET SPACING OVER 5'-0" OC (SEE BRACKET SPACING TABLE FOR BAR SIZE).
3. LADDER SHALL BE MADE OF REINFORCED FIBERGLASS.

REVISION DATE: 3/18/2011

		SAN BERNARDINO MUNICIPAL WATER DEPARTMENT		DRAWING NUMBER	
		LADDER INSTALLATION DETAILS		SBMWD	
				W6.22	
D.D.M.	MAR. 11				
M.H.L.	FEB. 05				
REVISION	DATE	APPROVED 		DATE 07/04/2019	
SCALE: NONE		WARREN HUANG, P.E. RCE 49208			