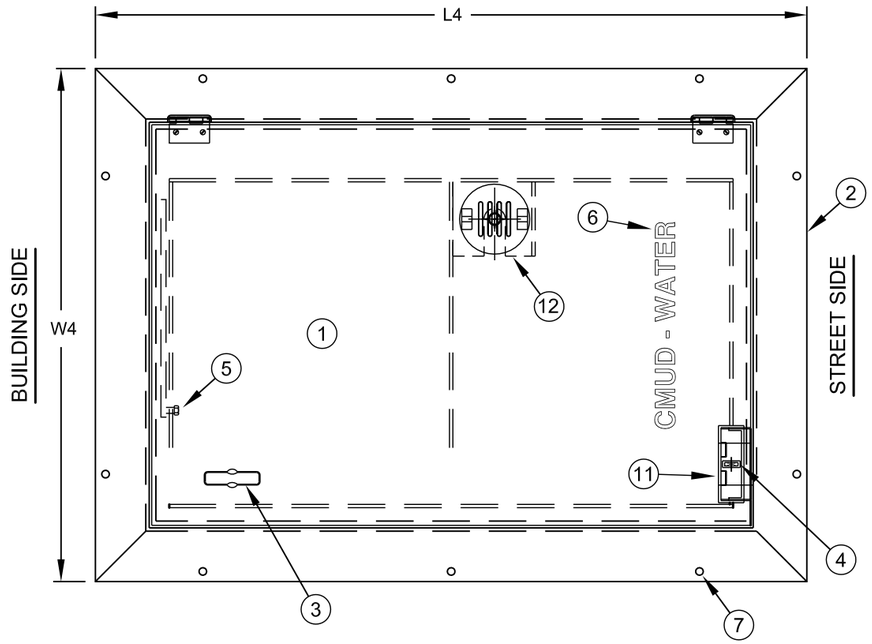
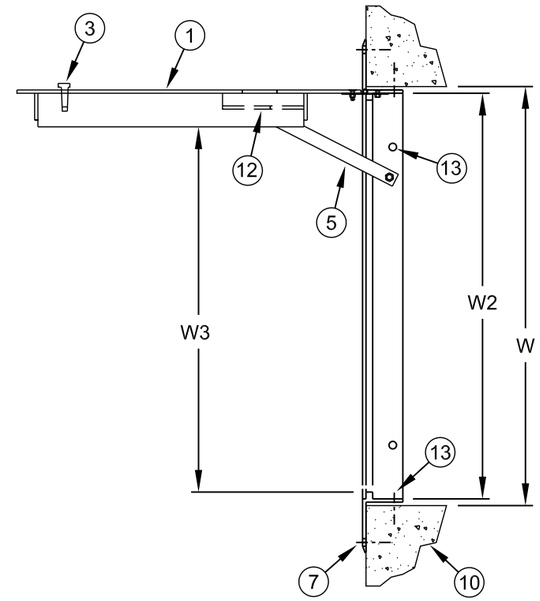
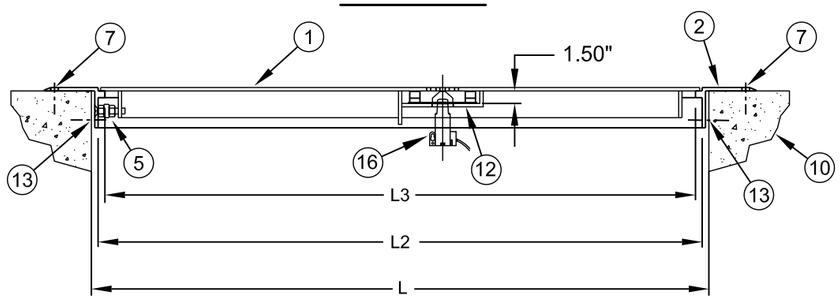


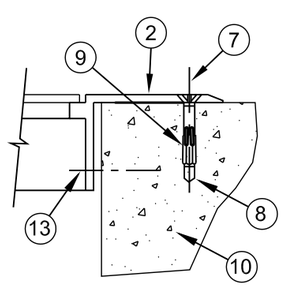
PLAN VIEW



SECTION VIEW SIDE

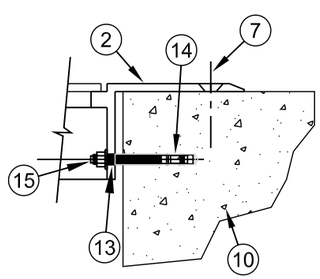


SECTION VIEW FRONT



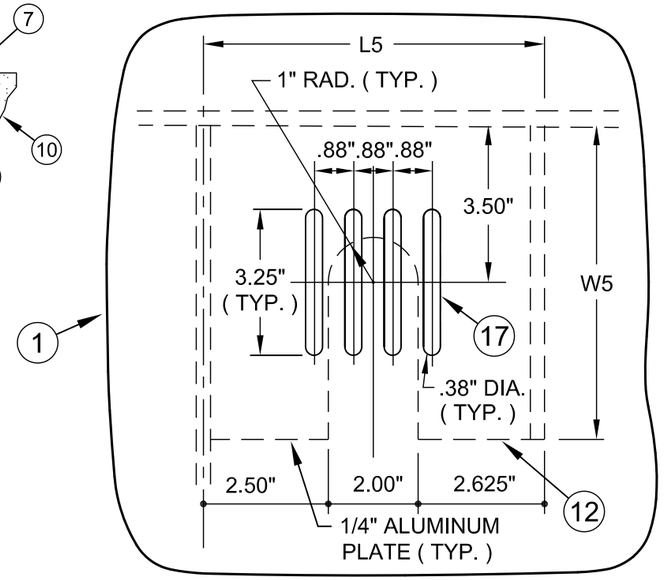
ANCHOR DETAIL

OPTION 1



ANCHOR DETAIL

OPTION 2



ERT TRANSMITTER SLOT DETAIL
& ERT TRANSMITTER SUPPORT

NO.	DESCRIPTION
1.	SINGLE DOOR LEAF - REINFORCED.
2.	ANGLE DOOR FRAME.
3.	FLUSH DROP HANDLE.
4.	RECESSED PADLOCK ASSEMBLY (STANDARD SIZE) WITH STAINLESS STEEL STAPLE / SPRING LOADED HINGED LID.
5.	AUTOMATIC HOLD OPEN ARM WITH VINYL GRIP.
6.	2 - INCH LETTERING MILLED INTO DOOR LEAF.
7.	7/16 - INCH DIA. DRILLED HOLE (COUNTERSINK) (# AS REQUIRED)
8.	3/8 - INCH DIA. DRILLED HOLE - IN CONCRETE.
9.	3/8 - INCH DIA. x 2 - 7/8 INCH STAINLESS STEEL ANCHOR. (REDHEAD DYNABOLT # SFS - 3826 OR HILTI HLC SLEEVE ANCHOR # HLC - FPH 3/8 - INCH x 2 - 7/8 INCH STAINLESS STEEL OR APPROVED EQUAL)
10.	CONCRETE VAULT OR PEDESTRIAN SIDEWALK.
11.	PADLOCK TO BE FURNISHED BY CMUD.
12.	ERT TRANSMITTER SUPPORT BRACKET.
13.	9/16 - INCH - INCH DIAMETER DRILLED HOLE (# AS REQUIRED)
14.	1/2 - INCH DIAMETER DRILLED HOLE IN CONCRETE.
15.	1/2 - INCH DIAMETER x 4 - 1/2 - INCH DRIVE-IN EXPANSION ANCHOR OR EPOXY ADHESIVE ANCHOR - (RED HEAD, HILTI OR APPROVED EQUAL)
16.	ERT TRANSMITTER.
17.	ERT TRANSMITTER SLOT.

DESIGN REQUIREMENTS

A. MATERIAL - ALUMINUM - ALLOY TYPE 3004 - H35, ASTM B209 AND B221, EXCEPT AS NOTED.
B. LIVE LOAD - 300 LBS / SQ. FT. - PEDESTRIAN LOADING. MAXIMUM DEFLECTION 1/150 TH. OF SPAN.
C. DOOR LEAF - 1/4 - INCH THICK ALUMINUM DIAMOND PLATE.
D. FINISH - SHOT BLAST DULL GRAY-SLIP RESISTANT MEETING ADA REQUIREMENTS.
E. HINGE / LOCKNUTS / BOLTS - STAINLESS STEEL - TYPE 316.
F. HOLD OPEN ARM - STAINLESS STEEL - TYPE 316.
G. FORCE REQUIRED TO OPEN LEAF SHALL BE 35 LBS. MAXIMUM, WITHOUT SPRING ASSIST.
H. ACCESS DOOR SHALL BE MODEL APS 300 RETROFIT, AS MANUFACTURED BY U.S.F. FABRICATION, OR APPROVED EQUAL.

NOTE:

A. FRAME SHALL BE FURNISHED ANCHOR HOLES NO. 7 AND NO. 13.
B. CONTRACTOR SHALL ANCHOR FRAME USING ANCHOR HOLES NO. 7 OR NO. 13 - AS APPROVED. (OPTION ONE OR OPTION TWO)

WARNING NOTE:

THIS DOOR IS NOT TO BE USED IN OR ADJACENT TO DRIVEWAYS OR ANY AREA SUBJECT TO VEHICLE WHEEL LOADS, OR ANY LOAD GREATER THAN 300 PSF.

DIMENSIONS (INCHES)

CONC. CLEAR OPENING		FRAME OPENING		CLEAR OPENING		OVERALL FRAME SIZE		BRACKET LENGTH	BRACKET WIDTH	BASE WT. W/O OPTIONS
L	W	L2	W2	L3	W3	L4	W4	L5	W5	POUNDS
36	24	35	23	34	20	43	31	7.125	7	54

NO SCALE

STANDARD NO. Z

VERSION NO. V1.0

VERSION DATE 8.27.2010

ALUMINUM SINGLE LEAF ACCESS DOOR - PEDESTRIAN LOADING (300 # / SQ. FT.) FOR 1 1/2 & 2 - INCH WATER METER VAULT

CHARLOTTE-MECKLENBURG UTILITIES

STANDARD DETAILS

WATER

CHARLOTTE