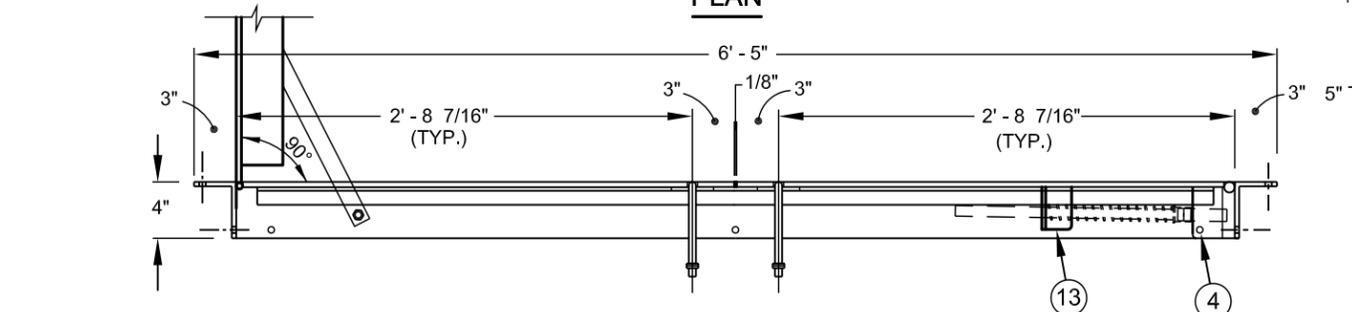
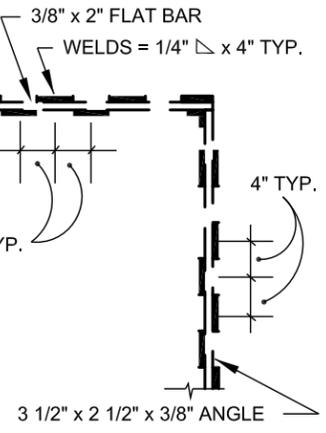


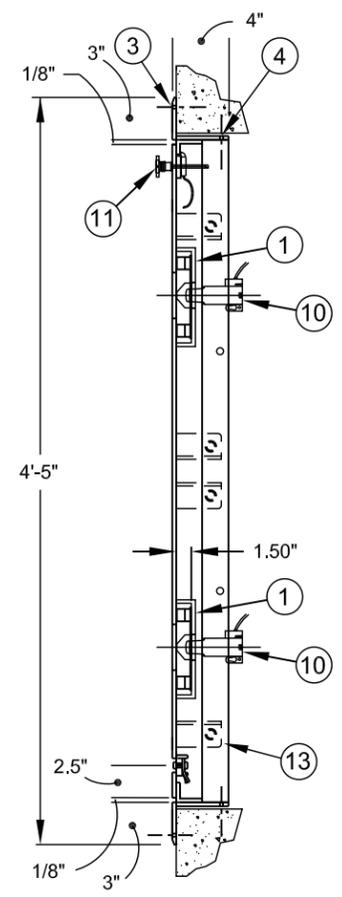
PLAN



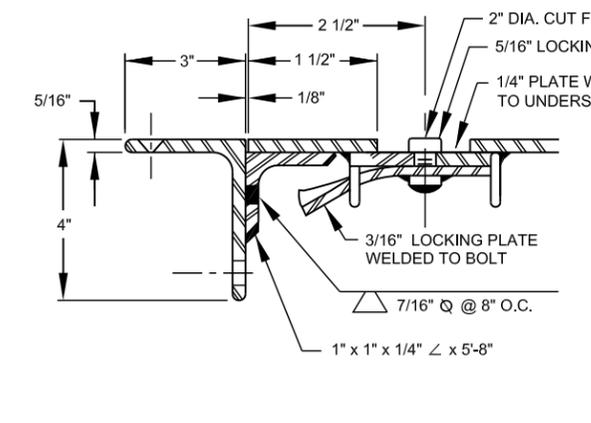
SECTION FRONT



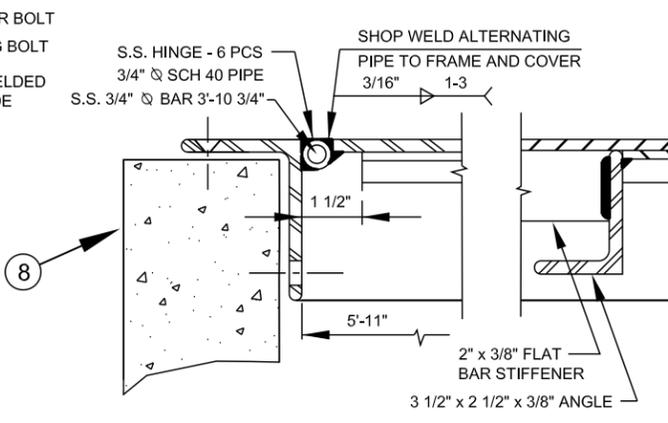
STIFFENER WELD DETAIL "F"



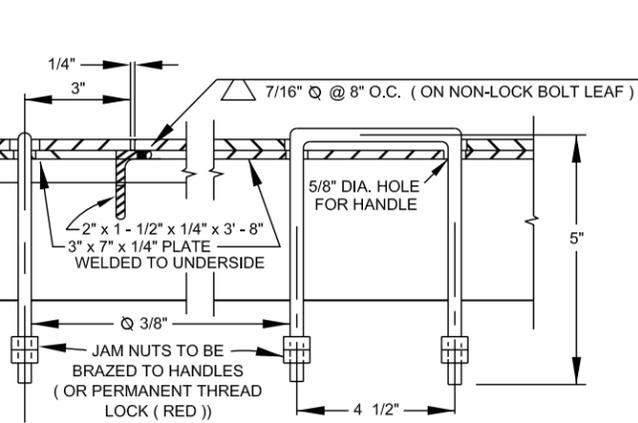
SECTION SIDE



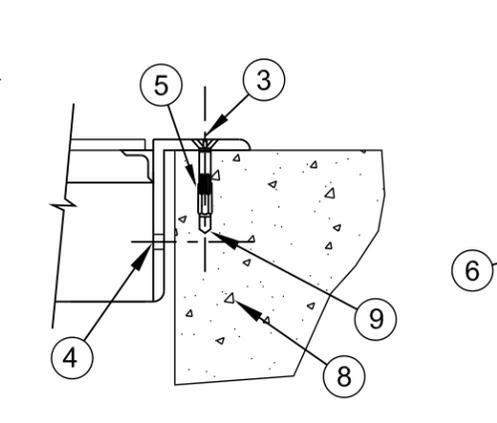
DETAIL A - LOCKING BOLT (1 EA)



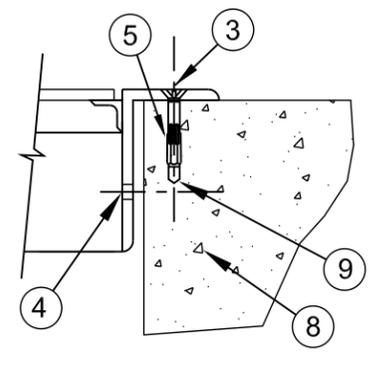
DETAIL B HINGE



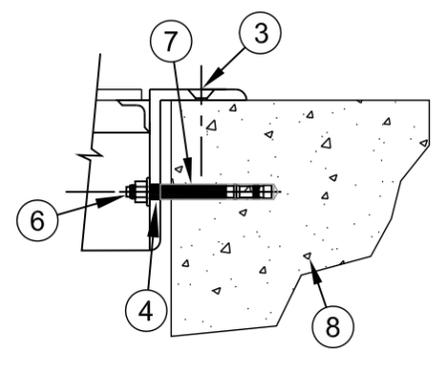
DETAIL C HANDLE (4)



DETAIL D HANDLE



ANCHOR DETAIL
OPTION 1



ANCHOR DETAIL
OPTION 2

NO.	DESCRIPTION
1.	ERT TRANSMITTER SUPPORT BRACKET. (SEE STANDARD DETAIL)
2.	2 - INCH LETTERING MILLED INTO DOOR LEAF.
3.	7/16 - INCH DIA. DRILLED HOLE (COUNTERSINK) 10 EACH
4.	9/16 - INCH DIA. DRILLED HOLE (10 EACH)
5.	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)
6.	1/2 - INCH DIA. x 4 - 1/2 - INCH DRIVE-IN EXPANSION ANCHOR OR EPOXY ADHESIVE ANCHOR - (RED HEAD, HILTI OR APPROVED EQUAL)
7.	1/2 - INCH DIA. DRILLED HOLE IN CONCRETE.
8.	CONCRETE VAULT OR PEDESTRIAN SIDEWALK.
9.	3/8 - INCH DIA. DRILLED HOLE - IN CONCRETE.
10.	WATER METER ERT TRANSMITTER.
11.	SLAM LOCK/THREADED PLUG / REMOVABLE KEY / INSIDE HANDLE.
12.	RECESSED PADLOCK ASSEMBLY (STANDARD SIZE) WITH STAPLE / SPRING LOADED HINGED LID.
13.	OPEN COMPRESSION SPRING ASSEMBLY (# AS REQUIRED) - HORIZONTALLY MOUNTED.
14.	PADLOCK TO BE FURNISHED BY CMUD.
15.	AUTOMATIC HOLD OPEN ARM WITH VINYL GRIP.

DESIGN REQUIREMENTS

- A. MATERIAL - STRUCTURAL STEEL - ASTM A-36.
- B. LIVE LOAD - 300 LBS / SQ. FT. - PEDESTRIAN LOADING. MAXIMUM DEFLECTION 1/150 TH. OF SPAN.
- C. DOOR LEAF - 3/8 - INCH THICK DIAMOND PLATE.
- D. COMPRESSION SPRINGS AND HOLD OPEN ARM REQUIRED ON EACH LEAF.
- E. SLAM LOCK / HOLD OPEN ARM - STAINLESS STEEL - TYPE 300.
- F. COMPRESSION SPRING ASSEMBLY - STAINLESS STEEL - TYPE 300.
- G. FORCE REQUIRED TO OPEN LEAF (W / SPRINGS) SHALL BE MINUS 5 LBS MINIMUM AND 20 LBS MAXIMUM.
- E. HINGE (PIPE AND BAR) - TYPE 304 STAINLESS STEEL.

NOTE:

- a. FRAME SHALL BE FURNISHED WITH ANCHOR HOLES NO. 3 AND NO. 4.
- b. CONTRACTOR SHALL ANCHOR FRAME USING ANCHOR HOLES NO. 3 OR NO. 4 - AS APPROVED. (OPTION ONE OR OPTION TWO)
- c. FRAME AND COVER TO BE SHOP COATED WITH ZINC CHROMATE PRIMER AND ONE COAT OF BLACK ENAMEL. FIELD APPLY ONE COAT OF COMPATIBLE BLACK ENAMEL AT FINAL INSPECTION.
- d. FRAME DIMENSIONS SHALL ALLOW FOR CLOSE FIT INSIDE VAULT AS SHOWN AT TOP OF VAULT WALLS.
- e. STIFFENER TO BE WELDED TO BACK OF ACCESS DOOR USING WELD PATTERN AS SHOWN.
- f. COMPRESSION SPRING ASSEMBLY SHALL BE DESIGNED BY MANUFACTURER TO CONFORM TO LIFTING FORCE REQUIREMENTS. - NUMBER OF SPRINGS AS REQUIRED.

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.

NO SCALE
 STANDARD NO. W
 VERSION DATE 8.24.2011
 VERSION NO. V1.1
 CHARLOTTE-MECKLENBURG UTILITIES
 STANDARD DETAILS
 WATER
 STEEL DOUBLE LEAF ACCESS DOOR - 4' x 6'
 PEDESTRIAN LOADING (300 PSF) FOR
 WATER METER VAULTS
 CHARLOTTE