



- NO. DESCRIPTION**
- SINGLE DOOR LEAF - REINFORCED.
 - ANGLE DOOR FRAME.
 - FLUSH DROP HANDLE.
 - SLAM LOCK/THREADED PLUG / REMOVABLE KEY / INSIDE HANDLE.
 - RECESSED PADLOCK ASSEMBLY (STANDARD SIZE) WITH STAINLESS STEEL STAPLE / SPRING LOADED HINGED LID.
 - OPEN COMPRESSION SPRING ASSEMBLY (# AS REQUIRED) - HORIZONTALLY MOUNTED.
 - AUTOMATIC HOLD OPEN ARM WITH VINYL GRIP.
 - 2 - INCH LETTERING MILLED INTO DOOR LEAF.
 - 7/16 - INCH DIA. DRILLED HOLE (COUNTERSINK) (# AS REQUIRED)
 - 3/8 - INCH DIA. DRILLED HOLE IN CONCRETE.
 - 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)
 - CONCRETE VAULT OR PEDESTRIAN SIDEWALK.
 - PADLOCK TO BE FURNISHED BY CMUD.
 - ERT TRANSMITTER SUPPORT BRACKETS.
 - 1/2 - INCH DIAMETER HOLE IN CONCRETE.
 - 9/16 - INCH - INCH DIAMETER DRILLED HOLE (# AS REQUIRED)
 - 1/2 - INCH DIAMETER x 4 - 1/2 - INCH DRIVE-IN EXPANSION ANCHOR OR EPOXY ADHESIVE ANCHOR - (RED HEAD, HILTI OR APPROVED EQUAL)
 - ERT TRANSMITTER.
 - ERT TRANSMITTER SLOT.

- DESIGN REQUIREMENTS**
- MATERIAL - ALUMINUM - ALLOY TYPE 3004 - H35, ASTM B209 AND B221, EXCEPT AS NOTED.
 - LIVE LOAD - 300 LBS / SQ. FT. - PEDESTRIAN LOADING. MAXIMUM DEFLECTION 1/150 OF SPAN.
 - DOOR LEAF - 1/4 - INCH THICK ALUMINUM DIAMOND PLATE.
 - FINISH - SHOT BLAST DULL GRAY-SLIP RESISTANT MEETING ADA REQUIREMENTS.
 - HINGE / LOCKNUTS / BOLTS - STAINLESS STEEL - TYPE 316.
 - SLAM LOCK / HOLD OPEN ARM - STAINLESS STEEL - TYPE 316.
 - COMPRESSION SPRING ASSEMBLY - STAINLESS STEEL - TYPE 302.
 - FORCE REQUIRED TO OPEN LEAF (W / SPRINGS) SHALL BE MINUS 5 LBS MINIMUM AND 20 LBS MAXIMUM, AND 35 LBS MAXIMUM W/O SPRINGS.
 - ACCESS DOOR SHALL BE MODEL APS 300 RETROFIT, AS MANUFACTURED BY U.S.F. FABRICATION, OR APPROVED EQUAL.

- NOTE:**
- FRAME SHALL BE FURNISHED ANCHOR HOLES NO. 9 AND NO. 16.
 - CONTRACTOR SHALL ANCHOR FRAME USING ANCHOR HOLES NO. 9 OR NO. 16 - 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)

VAULT L	VAULT W	NUMBER OF METERS	METERS PER BRACKET	L5 BRACKET LENGTH	W5 BRACKET WIDTH	NUMBER OF SLOTS PER BRACKET
72	36	10	5	25.25	7	20
60	36	8	4	20.75	7	16
48	36	6	3	16.25	7	12
36	36	4	2	11.75	7	8

DIMENSIONS (INCHES)

CONC. CLEAR OPENING		FRAME OPENING		CLEAR OPENING		OVERALL FRAME SIZE		BASE WT. W/O OPTIONS	LIFT ASSIST SPRINGS	SLAM LOCK
L	W	L2	W2	L3	W3	L4	W4	POUNDS	REQ'D ?	REQ'D ?
72	36	71	35	70	31	79	43	126	YES	YES
60	36	59	35	58	31	67	43	107	YES	YES
48	36	47	35	46	31	55	43	91	NO	NO
36	36	35	35	34	31	43	43	72	NO	NO

NO SCALE
 STANDARD NO. Y
 VERSION NO. V1.1
 VERSION DATE 8.26.2010
ALUMINUM SINGLE LEAF ACCESS DOOR - PEDESTRIAN LOADING (300 # / SQ. FT.) FOR MANIFOLD METER VAULT
CHARLOTTE-MECKLENBURG UTILITIES
 STANDARD DETAILS WATER
CHARLOTTE