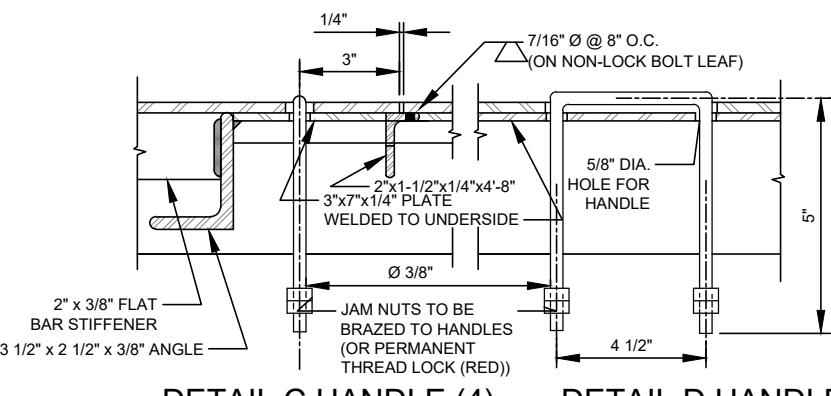
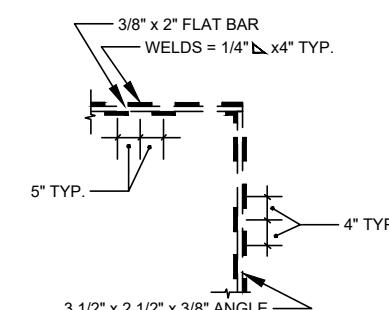


DETAIL A - LOCKING  
BOLT (1 EA)



## DETAIL C HANDLE (4)

## DETAIL D HANDLE



## STIFFENER WELD DETAIL "E"

<b>CHARLOTTE WATER</b> <small>A CITY OF CHARLOTTE DEPARTMENT STANDARD DETAILS</small>		<b>CHARLOTTE WATER</b> <small>A CITY OF CHARLOTTE DEPARTMENT STANDARD DETAILS</small>	<b>WATER METERS</b>
<p><b>NO. DESCRIPTION:</b></p> <ol style="list-style-type: none"> <li>1. TRANSMITTER SUPPORT BRACKET (SEE STANDARD DETAIL).</li> <li>2. 2" LETTERING MILLED INTO DOOR LEAF.</li> <li>3. 9/16-INCH DIAMETER DRILLED HOLE (10 EACH).</li> <li>4. 1/2-INCH DIAMETER X 4-1/2-INCH STAINLESS STEEL EPOXY ADHESIVE ANCHOR - (RED HEAD, HILTI OR APPROVED EQUAL).</li> <li>5. 1/2-INCH DIAMETER DRILLED HOLE IN CONCRETE.</li> <li>6. CONCRETE VAULT OR PEDESTRIAN SIDEWALK.</li> <li>7. WATER METER TRANSMITTER.</li> <li>8. SLAM LOCK/THREADED PLUG / REMOVABLE KEY / INSIDE HANDLE.</li> <li>9. RECESSED PADLOCK ASSEMBLY (STANDARD SIZE) WITH STAPLE / SPRING LOADED HINGED LID.</li> <li>10. OPEN COMPRESSION SPRING ASSEMBLY (# AS REQUIRED) - HORIZONTALLY MOUNTED.</li> <li>11. PADLOCK TO BE FURNISHED BY CLTW.</li> <li>12. AUTOMATIC HOLD OPEN ARM WITH VINYL GRIP.</li> <li>13. ATTACH ENGRAVED LABEL, WITH PREMISE NUMBER, TO UNDERSIDE OF DOOR, NEAR THE LIFTING HANDLE.</li> </ol> <p><b>DESIGN REQUIREMENTS:</b></p> <ol style="list-style-type: none"> <li>a. MATERIAL - STRUCTURAL STEEL - ASTM A-36.</li> <li>b. LIVE LOAD - 1,000 LBS. / SQ. FT. MINIMUM - PEDESTRIAN LOADING. MAXIMUM DEFLECTION 1/150 TH. OF SPAN.</li> <li>c. DOOR LEAF - 1/4-INCH THICK DIAMOND PLATE.</li> <li>d. COMPRESSION SPRINGS AND HOLD OPEN BAR ASSEMBLY ARE REQUIRED ON EACH LEAF.</li> <li>e. SLAM LOCK / HOLD OPEN ARM - STAINLESS STEEL - TYPE 304.</li> <li>f. COMPRESSION SPRING ASSEMBLY - STAINLESS STEEL - TYPE 304.</li> <li>g. FORCE REQUIRED TO OPEN LEAF (W/SPRINGS) SHALL BE MINUS 5 LBS. MINIMUM AND 20 LBS. MAXIMUM.</li> <li>h. BOLT ON S.S. HINGES WITH SUPPORT ANGLES. - TYPE 304 STAINLESS STEEL.</li> </ol> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>A. CONTRACTOR SHALL ANCHOR FRAME USING ANCHOR HOLE NO. 4 - AS APPROVED (ANCHOR DETAIL).</li> <li>B. FRAME AND COVER TO BE HOT DIP GALVANIZED. ENTIRE ASSEMBLY SHALL BE GALVANIZED. GALVANIZED COATING SHALL BE A MINIMUM OF 3.9MILS PER ASTM A123 GRADE 100.</li> <li>C. FRAME DIMENSIONS SHALL ALLOW FOR CLOSE FIT INSIDE VAULT AS SHOWN AT TOP OF VAULT WALLS.</li> <li>D. STIFFENER TO BE WELDED TO BACK OF ACCESS DOOR USING WELD PATTERN AS SHOWN.</li> <li>E. COMPRESSION SPRING ASSEMBLY SHALL BE DESIGNED BY MANUFACTURER TO CONFORM TO LIFTING FORCE REQUIREMENTS - NUMBER OF SPRINGS AS REQUIRED.</li> <li>F. STAINLESS STEEL FOR ALL HARDWARE.</li> </ol> <p><b>WARNING NOTE:</b>  <b>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 1,000 PSF.</b></p>	<p><b>LEAF ACCESS DOOR - 5' X 5'</b></p> <p><b>IN LOADING (1,000 PSF) FOR</b></p> <p><b>WATER METER VAULTS</b></p>		