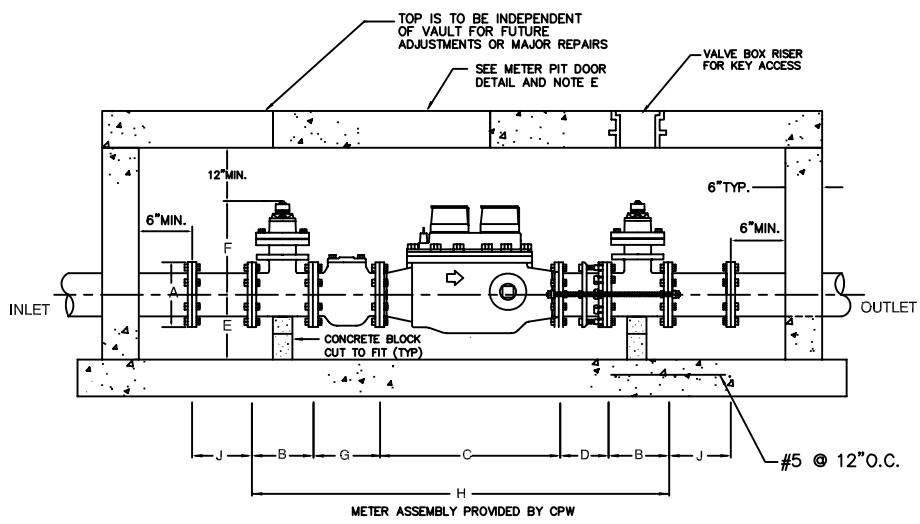
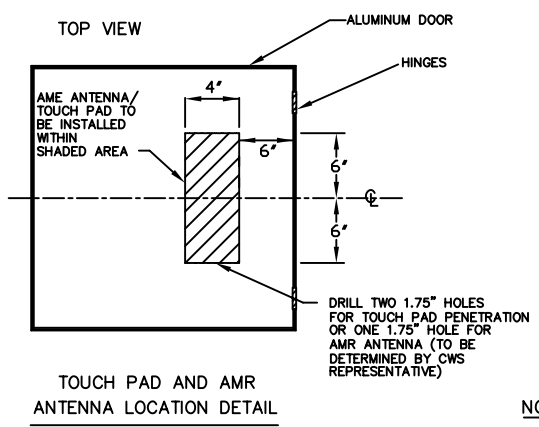


ALL-THREAD ROD TO SECURE COUPLING AFTER INSTALLATION

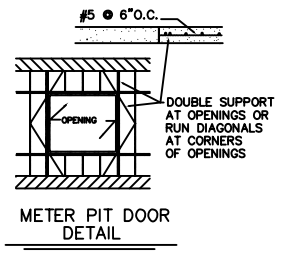


METER ASSEMBLY PROVIDED BY CPW

3" COMPOUND METER WITH BYPASS

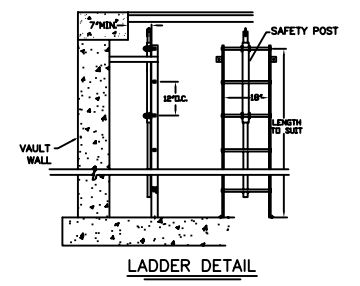


TOUCH PAD AND AMR ANTENNA LOCATION DETAIL



METER PIT DOOR DETAIL

DIMENSION	3"
A	7.5"
B	8"
C	17"
D	11"
E	8"
F	12.4"
G	6"
H	50"
I	8.5"
J	11"



LADDER DETAIL

NOTES:

- A. THE VAULT SHALL BE CONSTRUCTED WITH 4000 PSI REINFORCED CONCRETE. USE OF BLOCK MUST BE APPROVED IN WRITING BY CWS BEFORE CONSTRUCTION.
- B. WALLS SHALL BE A SINGLE POUR. SEAL WITH RAM-NEK OR CONSEAL BETWEEN WALLS AND BOTTOM AND WALLS AND LID CONTINUOUS AROUND PERIMETER.
- C. IN NON-TRFFIC AREA USE ALUMINUM LIGHT TRAFFIC (300 PSI) DOOR. IN TRAFFIC AREA USE AASHTO-H20 LOAD RATING ALUMINUM DOOR.
- D. DOORS ARE TO BE LOCATED SO METER CAN BE READ AND STRAINER CAN BE LIFTED STRAIGHT OUT. USE 3' X 3' DOOR. USE ONLY CWS APPROVED DOORS BY USF FABRICATION AND BILCO. HINGES SHALL BE LOCATED ON OUTLET SIDE OF DOOR OPENING.
- E. DOORS SHALL BE ISSUED BY CWS NEW INSTALLATION ENGINEERING REPRESENTATIVE.
- F. ALUMINUM LADDER W/SAFETY POST SHALL BE USED IN VAULTS 5' DEEP OR DEEPER. LADDER SHALL BE PLACED ON OPPOSITE SIDE OF METER FROM BYPASS.
- G. USE NON-SHRINKING HYDRAULIC CEMENT-WATER STOP AT VAULT PENETRATIONS.
- H. DIMENSION "C" IS FOR NEPTUNE COMPOUND METERS. DIMENSIONS MAY VARY SLIGHTLY WITH TYPES OF FITTINGS USED.
- I. VALVE AND DOOR STATUS AFTER INSTALLATION
 - VALVE BETWEEN MAIN AND VAULT FULLY OPEN
 - METER INLET VALVE FULLY CLOSED
 - BYPASS GATE VALVE FULLY CLOSED
 - METER OUTLET VALVE FULLY OPEN
 - DOOR LOCKED USING STAR-SHAPED LOCKING BOLT
- J. ANY DEVIATION FROM THESE PLANS MUST BE APPROVED BY CWS PRIOR TO INSTALLATION. IS AS FOLLOWS:
- K. NO VAULT IS TO BE INSTALLED WITHOUT PRIOR APPROVAL OF CWS WATER DISTRIBUTION ENGINEER.

CHARLESTON WATER SYSTEM		
3" COMPOUND METER WITH BYPASS		
APPROVED BY: CWS	DATE: JUL 2002	DRAWING NO. 24
SCALE: NTS	REVISED: FEB 2010	