



# ***REGIONAL CONSTRUCTION STANDARDS***

**SIXTH EDITION**

**Publication Update 6.10**

(Full Committee Approved Proposed Revision 6.10 –  
Air Vent Assembly Alternate  
As Publication Update 6.10)

September 26, 2019

10 GAUGE SOLID COPPER CLAD TRACER WIRE TO BE ATTACHED WITH PLASTIC STRAPPING EVERY 10 FEET OF LENGTH. WIRE TO BE LOOPED THROUGH ALL VALVE BOXES AND EXTEND 12 INCHES ABOVE FINISHED GRADE AND BE COILED BACK INTO VALVE BOX

1/4" NEOPRENE GASKET CONFORMING TO 85 SHORE-A DUROMETER STANDARDS

PRECAST CONCRETE ADJUSTMENT RINGS CENTERED OVER BASE SLAB (SEE SHEET 2)

2" BRASS THREADED CAP (INSTALL TOP BELOW BOTTOM OF CASTING)

VALVE BOX AND COVER (SEE WS\_01)

MIPT X MIPT NIPPLE  $\leq 6"$

4", 6", &/OR 8" TALL

PRECAST CONCRETE BASE SLAB 4'x4' SQUARE OR 4' DIA. CIRCULAR (SEE SHEET 2)

A-4 CONC. (4000 PSI)

NO. 57 STONE

MIN 4" NO. 57 STONE

2" BRASS RISER PIPE

TAPPING SADDLE (PER LOCALITY REQUIREMENTS)

MAIN

2" BALL VALVE (BRONZE) W/ HANDLE

2" CHECK VALVE

2" CORPORATION STOP

PROFILE

### NOTES:

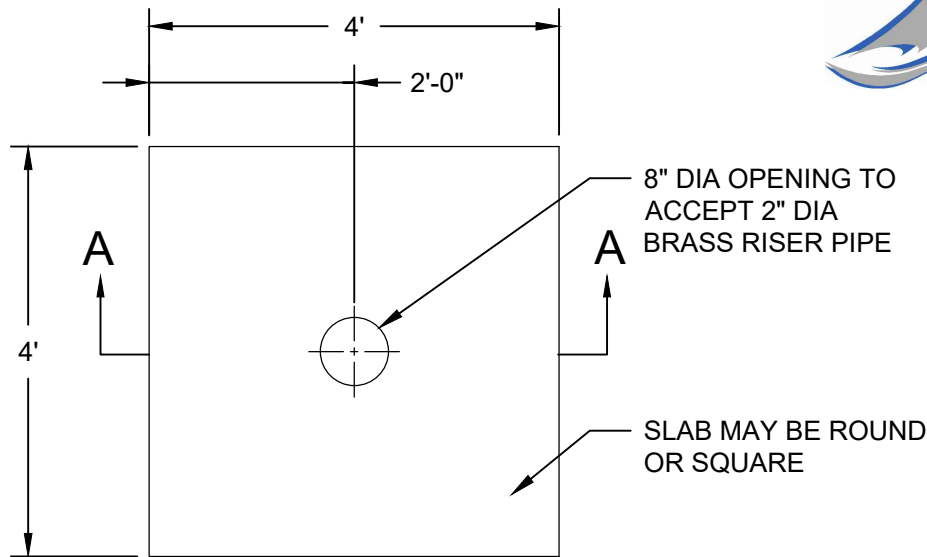
1. ALL AIR VENT COMPONENTS SHALL BE BELOW THE BOTTOM OF THE FRAME CASTING.
2. CAUTION-SUBBASE WILL BE ON TOP OF MAIN WHERE DEPTH OF COVER IS 3'. WHEN USING THIS DETAIL, MAY NEED TO HAVE A DEPTH OF COVER OF 3' OR GREATER.

FITTING	INLET THREAD	OUTLET THREAD
CORPORATION STOP	AWWA/CC	FEMALE IRON PIPE
BALL VALVE	FEMALE IRON PIPE	FEMALE IRON PIPE
THREADED CAP	FEMALE IRON PIPE	N/A

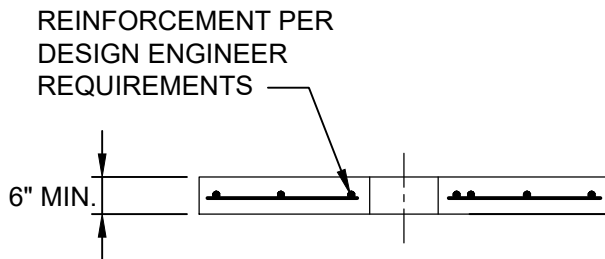
## MANUAL AIR VENT ASSEMBLY ALTERNATE

NOT TO SCALE

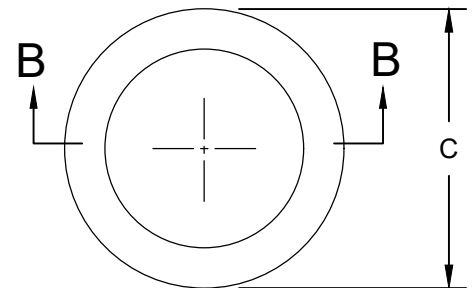
REFERENCE 200,801,803	CATEGORY WATER & SANITARY	DATE 8/19	SHEET No. 1 OF 2	DETAIL No. WS_10
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BASE SLAB PLAN VIEW

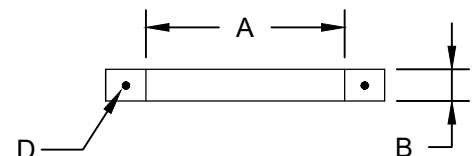


BASE SLAB SECTION VIEW A-A



ELEVATION RING PLAN VIEW

EARTH COVER: 2'-0" MAX.  
LIVE LOAD DESIGN: A-16 (HS20) + IMPACT FACTOR  
APPROX. BASE SLAB WEIGHT FOR SQ.: 1174 LBS.  
APPROX. BASE SLAB WEIGHT FOR ROUND: 920 LBS.



ELEVATION RING SECTION VIEW B-B

NOTES:

1. CONCRETE ELEMENTS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE COMMONWEALTH OF VIRGINIA.
2. BASE SLAB SHALL BE DESIGNED IN ACCORDANCE WITH ACI 318.
3. ELEVATION RINGS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM C-478.
4. CONCRETE 4,000 P.S.I. MIN.
5. REBAR MEETS ASTM A-615, GRADE 60.
6. ENSURE CONTINUOUS SUPPORT ON ALL ITEMS.
7. #3 BAR IS CENTERED WITH 12" MIN. LAP.
8. MAX HEIGHT OF ELEVATION ADJUSTMENT RINGS SHALL BE 16".

A	INSIDE DIAMETER	16"
B	HEIGHT	4", 6", & 8"
C	OUTSIDE DIAMETER	24"
D	REINFORCEMENT	#3 BAR (SEE NOTE 7)
	WEIGHT	87#, 130#, & 175#

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NOT TO SCALE