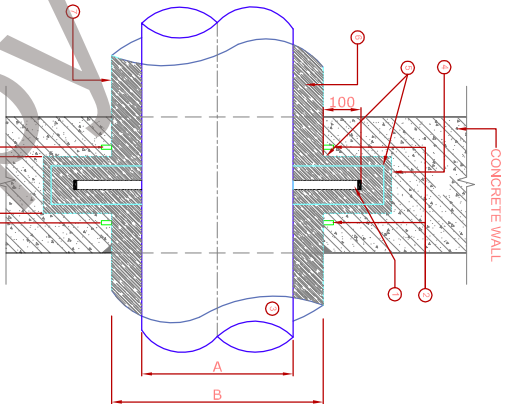
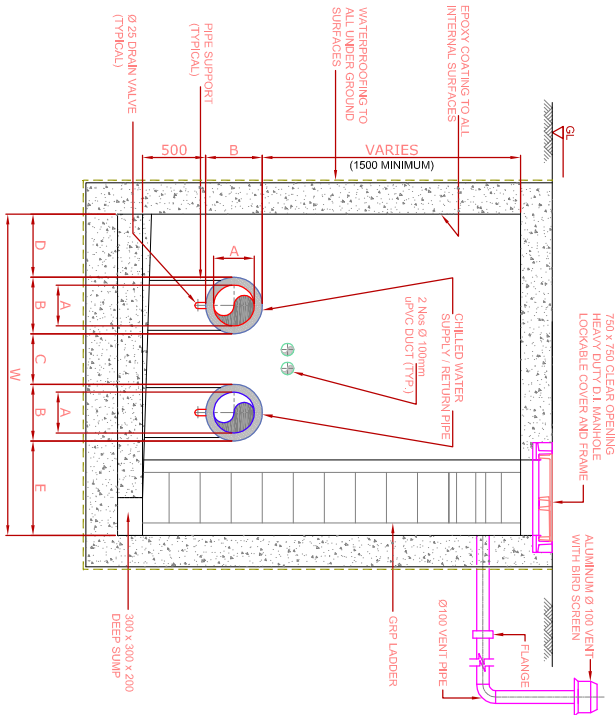


- MATERIAL**
1. PUDDLE FLANGE AS6 M'S PLATE
  2. HYDRO - EXPANSIVE WATER STOP / WATER BARRIER (SIMILAR TO SERVISTOP AH 205 - SALINE WATER GRADE)
  3. CARBON STEEL CORE PIPE
  4. HDPE COVER
  5. POLYETHYLENE WELDED JOINT
  6. PIPE INSULATION
  7. HDPE JACKET



DETAIL - A  
TYPICAL PRE - INSULATED PIPE  
WALL PENETRATION DETAIL



STEEL CORE PIPE JACKET N.D		HDPE JACKET O.D (mm)							
(mm)	(inch)	A	B	C	D	E	L	W	
1200	48	1400	400	500	800	800	2000	4500	
1100	44	1300	400	500	800	800	2000	4300	
1050	42	1250	400	500	800	800	2000	4200	
1000	40	1200	400	500	800	800	2000	4100	
900	36	1100	400	500	800	800	2000	3900	
800	32	1000	400	500	800	800	2000	3700	
750	30	900	400	500	800	800	2000	3500	
600	24	730	400	500	800	800	2000	3160	
500	20	630	400	500	800	800	2000	2960	
450	18	560	400	500	800	800	2000	2820	
400	16	500	400	500	800	800	2000	2620	
350	14	450	400	500	800	800	2000	2470	
300	12	400	300	500	800	800	2000	2250	
250	10	400	300	500	800	800	2000	2400	
200	8	350	300	500	800	800	2000	2300	
150	6	280	300	500	800	800	2000	2160	
125	5	250	300	500	800	800	2000	2100	
100	4	225	300	500	800	800	2000	2050	
80	3	200	300	500	800	800	2000	2000	
65	2 1/2	180	300	500	800	800	2000	1960	
50	2	160	300	500	800	800	2000	1920	
40	1 1/2	140	300	500	800	800	2000	1880	
32	1 1/4	140	300	500	800	800	2000	1860	
25	1	125	300	500	800	800	2000	1850	

ISOLATION VALVE CHAMBER DIMENSIONS  
FOR CARBON STEEL CORE PIPE WITH HDPE JACKET

HDPE CORE PIPE N.D		HDPE JACKET O.D (mm)							
(mm)	(inch)	A	B	C	D	E	L	W	
500	18	630	400	500	800	800	2000	2860	
450	16	600	400	500	800	800	2000	3000	
400	14	560	400	500	800	800	2000	2820	
350	12	500	400	500	800	800	2000	2770	
315	10	450	300	500	800	800	2000	2560	
250	8	400	300	500	800	800	2000	2400	
200	6	315	300	500	800	800	2000	2230	
160	5	280	300	500	800	800	2000	2160	
125	4	250	300	500	800	800	2000	2100	
110	3 1/2	200	300	500	800	800	2000	2000	
90	3	180	300	500	800	800	2000	1960	
75	2 1/2	160	300	500	800	800	2000	1940	
63	2	140	300	500	800	800	2000	1880	
50	1 1/2	140	300	500	800	800	2000	1880	
40	1 1/4	140	300	500	800	800	2000	1860	
32	1	68	300	500	800	800	2000	1735	
25	1	68	300	500	800	800	2000	1735	

ISOLATION VALVE CHAMBER DIMENSIONS  
FOR HDPE CORE PIPE WITH HDPE JACKET

HDPE CORE PIPE N.D		HDPE JACKET O.D (mm)							
(mm)	(inch)	A	B	C	D	E	L	W	
500	18	730	400	500	800	800	2000	3160	
450	16	630	400	500	800	800	2000	2960	
400	14	560	400	500	800	800	2000	2820	
350	12	500	400	500	800	800	2000	2700	
315	10	450	300	500	800	800	2000	2500	
250	8	400	300	500	800	800	2000	2400	
200	6	315	300	500	800	800	2000	2230	
160	5	280	300	500	800	800	2000	2160	
125	4	250	300	500	800	800	2000	2100	
110									
90									
75									
63									
50									
40									
32									
25									


REFER HDPE SDR11-PN16 TABLE

NOTE : HDPE SDR17-PN10

ISOLATION VALVE CHAMBER DIMENSIONS  
FOR HDPE CORE PIPE WITH HDPE JACKET

- NOTES:**
1. ALL DIMENSIONS AND DIAMETERS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
  2. ALL LEVELS ARE IN METERS UNLESS OTHERWISE STATED.
  3. CONTRACTOR SHALL FINALIZE THE LOCATION AND NUMBER OF DUCT SLICES IN ACCORDANCE WITH THE APPROVED CONTROL SYSTEM.
  4. CONTRACTOR TO VERIFY ALL DIMENSIONS AS PER EQUIPMENT TO BE APPROVED.
  5. ALL PIPEWORK SHALL BE THERMALLY INSULATED AS PER TABEREED SPECIFICATIONS.
  6. ALL VENTS SHALL BE LOCATED NEAR THE GREEN AREA OR NEXT TO THE NEAREST BUILDING WALL. IF BUILDING IS NOT CONSTRUCTED VENT WILL BE PROVIDED UP TO THE FLANGE WHICH SHALL BE LEFT BLANKED-OFF FOR FUTURE EXTENSION OF THE VENT LINE.

- LEGEND :**
- BFV BUTTERFLY VALVE
  - DJ DISMANTLING JOINT
  - DC DRAIN COKE
  - AAV AUTOMATIC AIR VENT
  - B.V.P BUILDING VALVE PIT
  - IL INVERT LEVEL
  - FGL FINISHED GRADE LEVEL

Rev. No.	Date	Description	Drawn	Checked	Approved
Scheme:					
Project:					
Client:					
Designed, Built & Owned By:					
 <p>NATIONAL CENTRAL COOLING CO. (P)SC P.O. BOX 29478 ABU DHABI, U.A.E. TEL : 971 2 5465007 FAX : 971 2 5465008 E-mail : sales@nccco.ae</p>					
Drawing Title:			ISOLATION VALVE CHAMBER PLAN AND DETAILS		
Drawing Number			Sheet Rev.		
12/07/2012			1 OF 1 0		