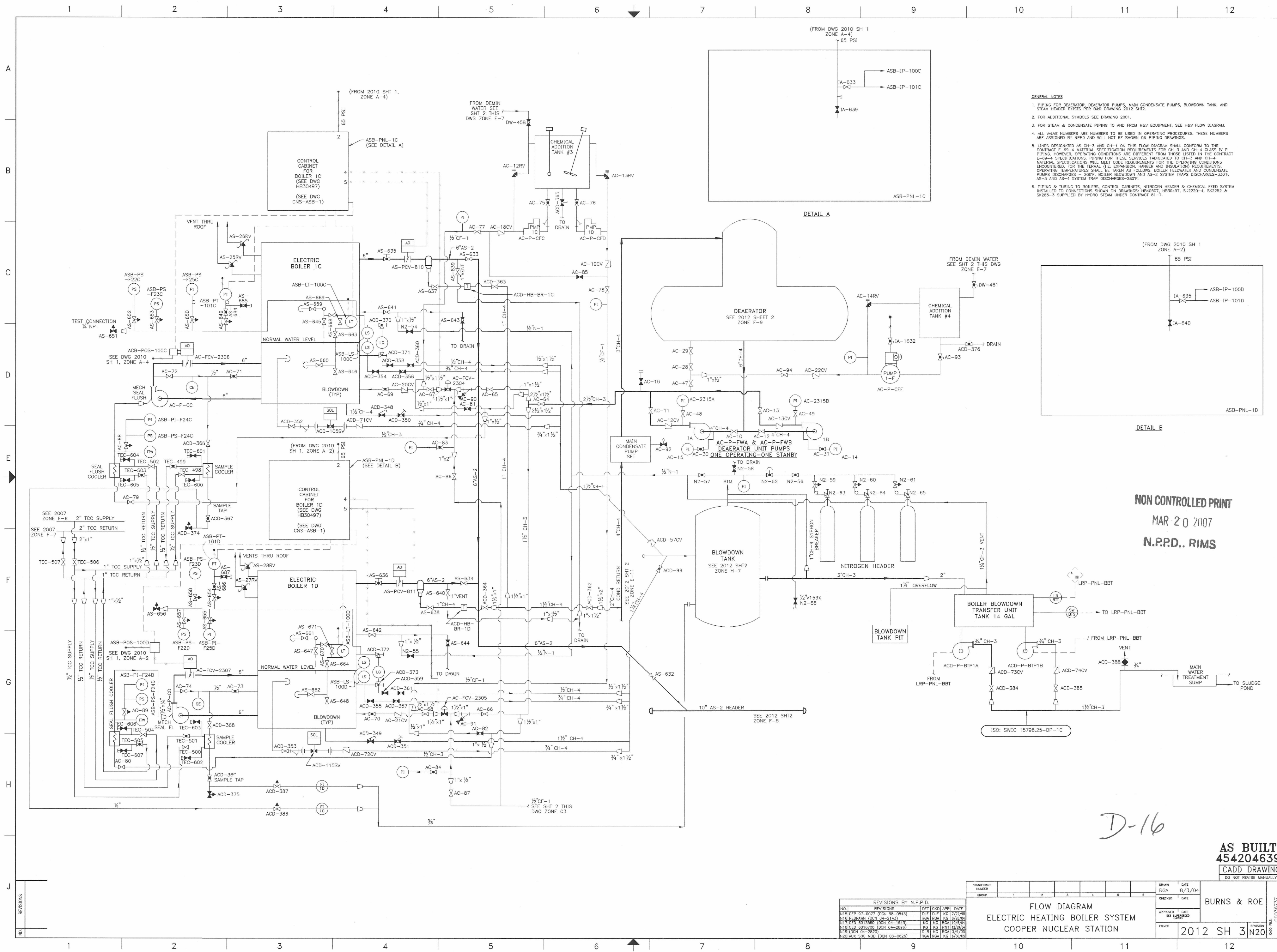




- GENERAL NOTES**
1. PIPING FOR DEAERATOR, DEAERATOR PUMPS, MAIN CONDENSATE PUMPS, BLOWDOWN TANK, AND STEAM HEADER EXISTS PER B&R DRAWING 2012 SH-2.
 2. FOR ADDITIONAL SYMBOLS SEE DRAWING 2001.
 3. FOR STEAM & CONDENSATE PIPING TO AND FROM H&V EQUIPMENT, SEE H&V FLOW DIAGRAM.
 4. ALL VALVE NUMBERS ARE NUMBERS TO BE USED IN OPERATING PROCEDURES. THESE NUMBERS ARE ASSIGNED BY NPPD AND WILL NOT BE SHOWN ON PIPING DRAWINGS.
 5. LINES DESIGNATED AS CH-3 AND CH-4 ON THIS FLOW DIAGRAM SHALL CONFORM TO THE CONTRACT E-09-4 MATERIAL SPECIFICATION REQUIREMENTS FOR CH-3 AND CH-4 CLASS IV P PIPING. HOWEVER, OPERATING CONDITIONS ARE DIFFERENT FROM THOSE LISTED IN THE CONTRACT E-09-4 SPECIFICATIONS. PIPING FOR THESE SERVICES FABRICATED TO CH-3 AND CH-4 MATERIAL SPECIFICATIONS WILL MEET CODE REQUIREMENTS FOR THE OPERATING CONDITIONS ENCOUNTERED. FOR THE THERMAL (I.E. EXPANSION, HANGER AND INSULATION) REQUIREMENTS OPERATING TEMPERATURES SHALL BE TAKEN AS FOLLOWS: BOILER FEEDWATER AND CONDENSATE PUMPS DISCHARGES - 200°F; BOILER BLOWDOWN AND AS-2 SYSTEM TRAPS DISCHARGES - 330°F; AS-3 AND AS-4 SYSTEM TRAP DISCHARGES - 280°F.
 6. PIPING & TUBING TO BOILERS, CONTROL CABINETS, NITROGEN HEADER & CHEMICAL FEED SYSTEM INSTALLED TO CONNECTIONS SHOWN ON DRAWINGS: HB40507, HB30497, S-2220-4, SK2252 & SK285-3 SUPPLIED BY HYDRO STEAM UNDER CONTRACT B1-7.

NON CONTROLLED PRINT
MAR 20 2007
N.P.P.D.. RIMS

D-16

AS BUILT
454204639
CADD DRAWING
DO NOT REVISE MANUALLY

REVISIONS BY N.P.P.D.			
NO.	REVISIONS	DFT	CHK
1	15/01/07 (04-2143)	RG	RG
2	16/01/07 (04-2143)	RG	RG
3	17/01/07 (04-2143)	RG	RG
4	18/01/07 (04-2143)	RG	RG
5	19/01/07 (04-2143)	RG	RG
6	20/01/07 (04-2143)	RG	RG
7	21/01/07 (04-2143)	RG	RG
8	22/01/07 (04-2143)	RG	RG
9	23/01/07 (04-2143)	RG	RG
10	24/01/07 (04-2143)	RG	RG
11	25/01/07 (04-2143)	RG	RG
12	26/01/07 (04-2143)	RG	RG

DRAWING NUMBER	SIGNATURE		DATE		DATE		BURNS & ROE	REVISION	500 FILE		
	GROUP		1	2	3	4				5	6
	DRAWN		RGA		DATE					8/3/04	
	CHECKED		DATE		DATE					DATE	
	APPROVED		DATE		DATE					DATE	
	FILMED		DATE		DATE					DATE	
FLOW DIAGRAM											
ELECTRIC HEATING BOILER SYSTEM											
COOPER NUCLEAR STATION											
2012		SH		3		N20					