NOTES:

1. HPCI INITIATION SIGNAL-DRYWELL HIGH PRESSURE FROM PS 4310B, 4311B, 4312B, 4313B, M143(E-7) AND/OR REACTOR LOW WATER LEVEL FROM LIS 4531, 4532, 4533, 4534, M115(F-3, F-6).
2. FOR HPCI SYSTEM LOGIC, SEE G.E. FUNCTIONAL CONTROL DIAGRAM 729E627CA.
3. THIS VALVE WILL NOT AUTOMATICALLY OPEN (CLOSE) UNLESS IT HAS BEEN CLOSED (OPEN) FOR A NOMINAL TWO SECONDS. THIS IS TO PREVENT CHALLENGING THE ELETRICAL AND MECHANICAL INTERLOCKS ASSOCIATED WITH THE MOTOR CONTACTORS.
4. MO-2312 HAS A ¼" DIAMETER HOLE DRILLED IN THE INBOARD DISC FACE TO PREVENT POTENTIAL PRESSURE LOCKING.

LR NOTES:

1. ALL EXPOSED DRAIN PIPING AND FUNNELS ARE IN SCOPE FOR LICENSE RENEWAL.
2. (N) ARE PENETRATIONS THAT ARE EVALUATED IN 4%.28 PC CONTAINMENT STRUCTURE.
3. FEEDWATER COMPONENTS ARE EVALUATED IN 4%.00 CONDENSATE AND FEEDWATER SYSTEM.
4. REACTOR VESSEL IS EVALUATED IN 62.00 NUCLEAR BOILER
5. RHR COMPONENTS ARE EVALUATED IN 4%.00 RESIDUAL HEAT REMOVAL.

LR NSAS ANCHOR NOTES:

▲ LR1 SEE DRAWING BECH-M109 FOR LOCATION OF NSAS ANCHOR ON 8"-HCD-03

LR LEGEND:

- COMPONENTS IN SCOPE PER 10CFR54.4(a)(1) AND/OR (a)(3) AND SUBJECT TO AMR PER 54.21
- COMPONENTS NOT SUBJECT TO AMR
- COMPONENTS IN SCOPE PER 10CFR54.4(a)(2) AND SUBJECT TO AMR PER 54.21

SYSTEM BOUNDARY INTERFACE

37.00 CONDENSATE DEMINERALIZER
50.00 REACTOR CORE ISOLATION COOLING
52.00 HIGH PRESSURE COOLANT INJECTION

D-031

NO.	DATE	REVISION	DRFTR.	CHK'D.	ENGR.	LEAD
0	9/16/08	INITIAL RELEASE	KB	JVS	TH	CLB

D.A.E.C.
DUANE ARNOLD ENERGY CENTER
PALO, IA

P.&I.D.
HIGH PRESSURE COOLANT INJECTION SYS. (HPCI) WATER SIDE SHEET 2

DWG. NO. BECH-M123-LR REV. 0

BASE P&ID REV 43