



- NOTES:**
- UNLESS OTHERWISE INDICATED ALL PRESSURE AND/OR INSTRUMENT ROOT LINES SHALL BE 3/4" LINE UP TO AND INCLUDING ROOT VALVE SHALL BE FURNISHED AND INSTALLED UNDER CONTRACT E-69-4.
 - AT SAMPLING POINTS CONNECTIONS, PROBES AND ROOT VALVES SHALL BE FURNISHED AND INSTALLED UNDER CONTRACT E-69-4. PROBES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH CONTRACT PARA. 3.4.2 AND DWG. SP-07211 FIG. NUMBER AS NOTED. CONTINUATION OF SAMPLE PIPING BY E-70-3.
 - ALL "CU-IS" PIPING SHALL BE PER CLASSIFICATION I-N NUCLEAR OR II-N NUCLEAR WITHIN THE LIMITS SHOWN HEREON.
 - TYPICAL DESIGNATION CHANGE FOR "CU" SYSTEM VENT DRAINS WITH DOUBLE VALVING SHALL BE AS SHOWN BELOW:

CU-1S	CU-1	TO DRAIN OR SUMP
CU-2S	CU-2	
 - ALL "CU-2" DRAIN PIPING TO DRAIN SUMPS SHALL BE FABRICATED PER CLASS II-P CLASSIFICATION WITH MATERIALS AND JOINTS PER CLASS II-N REQUIREMENTS FOR "CU-2" SYSTEM.
 - FLANGES FOR REMOTE REMOVAL TO BE FURNISHED ON F/D PIPING.
 - HIGH POINT VENTS & LOW POINT DRAINS NOT SHOWN.
 - ALL VALVE NUMBERS IN PARENTHESES () ARE NUMBERS USED IN OPERATING PROCEDURES. THESE NUMBERS ARE ASSIGNED BY N.P.P.D. AND WILL NOT BE SHOWN ON PIPING DRAWINGS.
 - INSTRUMENT, SAMPLE, TEST, DRAIN, AND VENT LINES ARE NOT ALWAYS THE SAME CLASS AS THE MAIN LINE AND THESE BOUNDARIES ARE TOO NUMEROUS TO IDENTIFY IN THIS MANNER (SEE 1ST PROGRAM BOUNDARY DESCRIPTIONS FOR DETAILS).
 - WHERE LINES ARE INTERCONNECTED AND CONTINUED ON OTHER DRAWINGS, ZONE NUMBERS ARE APPROXIMATE ONLY.

NOTE:
ALL ITEMS MARKED THUS [A] ARE "AS BUILT" ITEMS ARE NOT SHOWN ON PIPING DWGS.

REVISIONS TO THIS DRAWING REQUIRES A REVISION TO THE CORRESPONDING ISOKEY.

AS BUILT
454003635

STATUS: Release
STATUS DATE: 10/23/2018
DS APPROVED: RDCHAMP
VER: AC REV: 37 SIZE: F

FOR PREVIOUS REVISIONS, SEE SUPERSEDED CARDS.				SIGNIFICANT NUMBER			
VERSIONS/REVISIONS BY N.P.P.D.				GROUP	1	2	3
NO.	DESCRIPTION	DFT	DATE	ENG	DATE	DATE	DATE
AB/38	DR-2017-0342		08/28/17	CHAD			
BC/31	DR-2018-0043		08/23/18	RDCHAMP			

DRAWN		DATE		BMR		11-20-00	
CHECKED		DATE		BMR		11-20-00	
APPROVED		DATE		BMR		11-20-00	
FILMED		DATE		BMR		11-20-00	

COOPER NUCLEAR STATION				BURNS & ROE			
FLOW DIAGRAM				2042 SH 1			
REACTOR WATER CLEAN-UP SYSTEM				2042 SH 1			