



- NOTES:**
- UNLESS OTHERWISE INDICATED ALL PRESSURE AND/OR FLOW INSTRUMENT ROOT VALVES SHALL BE 3/4" ROOT VALVES SHALL BE 3/4"V226X.
 - ALL TEMPERATURE TEST AND PROTECTING WELL PENETRATIONS SHALL BE 1" NPT UNLESS OTHERWISE NOTED.
 - MATERIAL DESIGNATION -1S STAINLESS STEEL.
 - LOW POINT DRAINS WITH VALVES SHALL BE PIPED TO RHR PUMP ROOMS AND ARE NOT SHOWN.
 - FOR PIPING SPECIFICATIONS AND SEISMIC QUALIFICATION SEE SPECIFICATION E-73-5B AND DC89-272.
 - PART NO'S ARE INTERCHANGED ON FOLLOWING VALVES: 1303MV INTERCHANGED WITH 1303MV, 1306MV INTERCHANGED WITH 1304MV, POWER & CONTROLS ASSIGNMENTS REMAIN UNCHANGED.
 - REFERENCE DWGS. BECKMAN 13370, BENDIX 203636R, B&R IL-E-70-3 SH.111 FOR HYDROGEN SAMPLE SYSTEM.
 - 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 ISI PROGRAM BOUNDARY DESCRIPTIONS FOR DETAILS).
 - CB IS PRIMARY CONTAINMENT BOUNDARY.
 - WHERE LINES ARE INTERCONNECTED AND CONTINUED ON OTHER DRAWINGS, ZONE NUMBERS ARE APPROXIMATE ONLY.

AS BUILT
454035514
STATUS: Release
STATUS DATE: 05/14/2018
DS APPROVED: KASCHIZ
VER: AE REV: 30 SIZE: F

FOR PREVIOUS REVISIONS, SEE SUPERSEDED CARDS.						SIGNIFICANT NUMBER	GROUP	1	2	3	4	5	6	7	8	9	10	11	12
NO.	DESCRIPTION	DFT	DATE	ENG															
AB/28	DR-2015-0086		03/02/2015	KASCHIZ															
AL/29	DR-2017-0081		03/08/2017	KASCHIZ															
AL/30	DR-2018-0001		03/05/2018	KASCHIZ															

DRAWN		DATE	BURNS & ROE
CHECKED	DATE		
APPROVED	DATE		2084
FILED			

**FLOW DIAGRAM
STAND BY NITROGEN
INJECTION SYSTEM
COOPER NUCLEAR STATION**

HCVS MECHANICAL REMOTE OPERATING STATION CYLINDER STORAGE RACK (9 BOTTLES REQ'D) (OPERATE 9 AT A TIME)
NOTE: GENERAL NOTES ON THIS DRAWING DO NOT APPLY TO THIS STORAGE RACK.

VALVES NORMALLY CLOSED FOR STORAGE, NORMALLY OPEN FOR OPERATION.

PORTABLE CYLINDER STORAGE RACK (14 RACKS REQ'D) (OPERATE 1 AT A TIME)

INTERNAL RELIEF
SBNI-PCV-PRV1 (SBNI-PCV-PRV2)
SBNI-1 (SBNI-2)
SBNI-11 (SBNI-12)

FLEXIBLE HOSE ROUTING CONFIGURATIONS
SBNI-9
(1 REQUIRED FOR OPERATION)
(2 SPARE)

FLEXIBLE HOSE ROUTING CONFIGURATIONS
SBNI-9
(1 REQUIRED IF PRIMARY N₂ UNAVAILABLE)

B31.1.0 ASME III, CL2
SBNI-3, SBNI-1
SEISMIC IS SEISMIC IS

B31.1.0 ASME III, CL2
SBNI-3, SBNI-1
SEISMIC IS SEISMIC IS