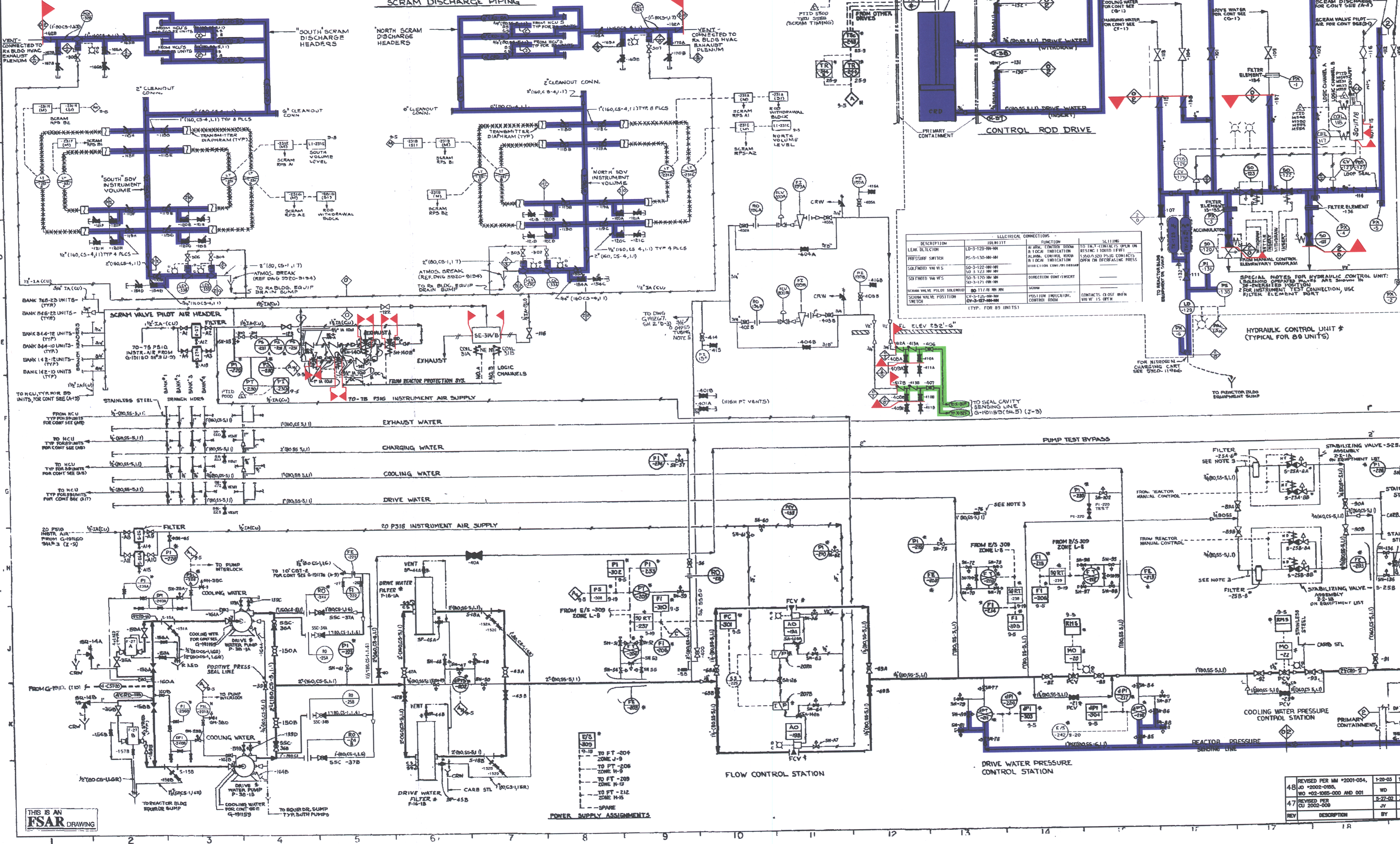


G-191170



PIPING LINE LIST

LINE	SIZE	TYPE	CLASS	INSULATION	TEMP	NOTE
CRD-1A	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-1B	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-2	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-3	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-4	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-5	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-6	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-7	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-8	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-9	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-10	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-11	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-12	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-13	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-14	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-15	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-16	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-17	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-18	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-19	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-20	2" x 1/2"	STD	CS-1	150	150	16R (3-22)
CRD-21	2" x 1/2"	STD	CS-1	150	150	16R (3-22)

REFERENCE DRAWINGS

- REACTOR BLDG INSTL AREA OF SHI G-191225
- CRD-1A, CRD-1B, CRD-2, CRD-3, CRD-4, CRD-5, CRD-6, CRD-7, CRD-8, CRD-9, CRD-10, CRD-11, CRD-12, CRD-13, CRD-14, CRD-15, CRD-16, CRD-17, CRD-18, CRD-19, CRD-20, CRD-21
- SCRAM DISCHARGE PIPING FOR CONT SEE (A-3)
- SCRAM VALVE PILOT AIR FOR CONT SEE (A-3)
- EXHAUST WATER FOR CONT SEE (P-8)
- CONTROL ROD DRIVE HYDRAULIC SYSTEM (P-8)
- FLOW DIAGRAM - SCRAM COOLING G-191159
- FLOW DIAGRAM - NUCLEAR ISLAND G-191167
- DIAGRAM - WATER TRANSPORT SYSTEM G-191176
- PROCESS DIAGRAM - INSTRUMENTATION G-191267
- IED REACTOR PROTECTION SYS G-191275
- PCD CONTROL ROD DRIVE SYSTEM (7 SHEETS)

- NOTES**
1. ALL INSTRUMENT NUMBERS TO BE PROVIDED BY SYSTEM NUMBER & FOR EXAMPLE 10-22 FOR VALVE 10-22-22.
 2. UNLESS OTHERWISE NOTED ALL BRANCH CONNS ARE TO BE MADE AT THE END OF THE BRANCH AND ALL BRANCHES ARE TO BE MADE AT THE END OF THE BRANCH.
 3. PROVIDE INSTRUMENTATION FOR ALL INSTRUMENTS NOT LISTED IN THE INSTRUMENTATION LIST.
 4. DESIGN PRESSURE TEMPERATURE 1750 PSIG 150° F.
 5. ALL WELDING SHALL BE AS PER THE WELDING SPECIFICATION.
 6. ALL MATERIALS SHALL BE SUPPLIED BY THE CONTRACTOR.
 7. ALL VALVES SHALL BE 150 LB CLASS UNLESS OTHERWISE NOTED.
 8. ALL VALVES SHALL BE 150 LB CLASS UNLESS OTHERWISE NOTED.
 9. ALL VALVES SHALL BE 150 LB CLASS UNLESS OTHERWISE NOTED.
 10. ALL VALVES SHALL BE 150 LB CLASS UNLESS OTHERWISE NOTED.
 11. ALL VALVES SHALL BE 150 LB CLASS UNLESS OTHERWISE NOTED.
 12. ALL VALVES SHALL BE 150 LB CLASS UNLESS OTHERWISE NOTED.
 13. ALL VALVES SHALL BE 150 LB CLASS UNLESS OTHERWISE NOTED.
 14. ALL VALVES SHALL BE 150 LB CLASS UNLESS OTHERWISE NOTED.
 15. ALL VALVES SHALL BE 150 LB CLASS UNLESS OTHERWISE NOTED.
 16. ALL VALVES SHALL BE 150 LB CLASS UNLESS OTHERWISE NOTED.

LEGEND

- SYSTEM INTENDED FUNCTION BOUNDARY
- COMPONENTS SUBJECT TO AMR
- PRIMARY CONTAINMENT PENETRATIONS AMR-20
- REACTOR COOLANT SYSTEM PRESSURE BOUNDARY AMR-33

ASBUILT

VERMONT YANKEE NUCLEAR POWER CORPORATION
VERMONT YANKEE NUCLEAR POWER STATION
VERNON, VERMONT

FLOW DIAGRAM CONTROL ROD DRIVE HYDRAULIC SYSTEM

REVISIONS

NO.	DATE	DESCRIPTION	BY	CHK	APP
45	12-01-05	REVISED PER MMR #2001-054	WD	JK	MBD
46	12-01-05	REVISED PER MMR #2001-055	JY	ADP	MBD
47	12-01-05	REVISED PER MMR #2001-056	JY	ADP	MBD
48	12-01-05	REVISED PER MMR #2001-057	JY	ADP	MBD

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20 MAIN-FRONT