



- NOTES:**
- ALL SMALL AUXILIARY PIPING CONTAINING PRIMARY FLUID IS STAINLESS STEEL THROUGH THE FIRST VALVE UNLESS OTHERWISE NOTED.
 - PIPING HIGH POINT VENTS AND LOW POINT DRAINS ARE TO BE ADDED BY BECHTEL AT ALL HIGH OR LOW POINTS NOT SERVED BY EQUIPMENT VENTS OR DRAINS.
 - HEAT EXCHANGER PIPING BETWEEN SHELLS IS SUPPLIED WITH HEAT EXCHANGERS.
 - PIPING TO BE DESIGNED FOR THE SAME PRESSURE AS MAIN FEED-WATER PIPING.
 - USE NORMAL AC POWER FOR ELECTRICAL DEVICES & ELECTRIC POWERED VALVES UNLESS OTHERWISE NOTED.
 - AREA TEMPERATURE DETECTORS ARE LOCATED TO GIVE OPTIMUM COVERAGE FOR DETECTION OF CLEANUP SYSTEM LEAKS.
 - REFER TO PIPING SPECIFICATION M-300 AND M-600 FOR PIPING MATERIALS, VALVE CLASSIFICATIONS, AND INSTRUMENT PIPING STANDARDS.
 - ALL EQUIPMENT AND INSTRUMENTATION ARE PROVIDED BY GE-APED UNLESS DESIGNATED BY "P" (BECHTEL PROVIDED). PIPING AND VALVING IS PROVIDED BY BECHTEL UNLESS DESIGNATED BY "GE-APED". (THIS NOTE SUPERSEDES NOTE 11 ON M200 SH 2, THIS DRAWING ONLY).
 - THIS DRAWING INCORPORATES REVISIONS 1 THRU 5 TO GE-APED DRAWING 728563.
 - REFER TO M215 SH 1 THRU 4 FOR COOLING WATER HEADERS. REFER TO INGENSUL RAND DRAWING Y-15001A321X1 (VP2051-9), CLEANUP RECIRCULATION PUMP COOLING WATER SYSTEM.
 - M201-2, M201-5, & M201-80 HAVE DUAL LIGHT INDICATION IN THE CONTROL ROOM.
 - INSTRUMENTS, INSTRUMENT PIPING, & VALVING BEYOND THE ROOT VALVES SHALL BE INSTALLED IN ACCORDANCE WITH PROCESS INSTRUMENT PIPING & TUBING DESIGN SPECIFICATION 22A1246AM.
 - FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS SEE INSTRUMENT LIST M201-1.
 - M201-132 VALVE IS USED AS A MANUAL VALVE WITHOUT ELECTRICAL CONNECTIONS.
 - PRESSURE TAPS FOR DPIS 1243 & 1244 ARE LOCATED ON INNER & OUTER RADIUS OF SECOND LONG RADIUS ELBOW DOWNSTREAM OF M201-85.
 - VALVE 26-HO-105 MAY BE OPENED FOR HYDROGEN-IN-CORE MONITOR TEST ONLY.
 - REFER TO FUNCTIONAL CONTROL DIAGRAMS, REACTOR WATER CLEAN-UP SYSTEM. (SEE REFERENCE DRAWINGS BELOW).
 - FRN 94-03-70 MAKES TM 94-05 PERMANENT BY PERMANENT REMOVAL OF INTERNALS FOR VALVE 1201-146.
 - SECTION OF PIPE WHICH PENETRATES THE RWCU HEAT EXCHANGER ROOM ON THE RWCU DISCHARGE PIPE UP TO AND INCLUDING THE SECTION BURIED IN THE SHIELD SANDBOX IS PIPE CLASS DA.
 - RESTRICTING ORIFICE IS A 1 INCH COUPLING BLANK BORED TO 1/4".
 - RWCU PUMPS ARE SHOWN IN THEIR OPERATING VALVE LINEUP. THE INACTIVE RWCU PUMP IS NORMALLY ISOLATED AND VENTED BY CLOSING THE SUCTION AND DISCHARGE ISOLATION VALVES AND OPENING THE PUMP CASING VENT AND DRAIN VALVES.



COMPONENTS SUBJECT TO AMR

REACTOR COOLANT SYSTEM
PRESSURE BOUNDARY
AMR-33

COMPRESSED AIR SYSTEM	M220 SH 1 & 2	E42	REVISED PER DCM 98-05080	TEB	-	ALB	DLI	SCALE	NONE	DESIGNED	BECHTEL	DRAWN	T E BAKER	E
MAIN STEAM SYSTEM	M203 SH 1-3	E45	REVISED PER DCM 98-04467	TEB	-	ALB	DLI							
COOLING WATER SYSTEM REACTOR BUILDING	M215 SH 1-4	E40	REVISED PER DCM 98-04368	CTIS	-	ALB	DLI							
ROCK SYSTEM	M245	E43	REVISED PER DCM 98-04368	CTIS	-	ALB	DLI							
CLEAN RADWASTE SYSTEM	M248	E49	REVISED PER DCM 98-04368	CTIS	-	ALB	DLI							
CLEAN-UP FILTER DEMINERALIZER SYSTEM	M248	E49	REVISED PER DCM 98-04368	CTIS	-	ALB	DLI							
NUCLEAR BOILER	M252 SH 1	E48	REVISED PER FRN 00-04-48 PER DCM 13894	BRIC	-	ALB	DLI							
FUNCTIONAL CONTROL DIAGRAM - 73K788	M247-2	E47	REVISED PER FRN 01-01-44 PER DCM 10747	TEB	-	ALB	DLI							
TITLE OF REFERENCE DRAWINGS	DWG NUMBER	NO	DATE	BY	ENG	CHK	APP							

41100-1949

Q: MECH/P&ID/M247.DWG

P & ID REACTOR WATER CLEANUP SYSTEM

M247

E50

NO	DATE	DESCRIPTION	BY	ENG	CHK	APP
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