



UNITS		NUMBER OF UNITS	
		OPERATING	STANDBY
1	LOWER LEVEL FAN COIL UNITS - CRA-FC-1A, 1B, 1C	2	1
2	UPPER LEVEL FAN COIL UNITS - CRA-FC-2A & 2B	1	1
3	LOWER LEVEL RECIRCULATING FANS - CRA-FN-3A, 3B, 3C	3	-
4	UPPER LEVEL RECIRCULATING FANS - CRA-FN-4A, 4B, 4C, 4D	2	2
5	CONTAINMENT HEAD AREA RETURN AIR FAN - CRA-FN-5A & 5B	1	1

- NOTES:**
- FOR ALL FAN COIL UNITS (FC), THE FILTERS ARE USED ONLY DURING CONSTRUCTION PERIOD.
 - ISOLATION SIGNAL CODES:**
 - REACTOR VESSEL LOW WATER LEVEL
 - HIGH DRYWELL PRESSURE
 - HIGH RADIATION, REACTOR BUILDING VENTILATION SYSTEM
 - FOR FLOW DIAGRAM LEGEND, SYMBOLS AND ABBREVIATIONS, SEE DRAWING M501.
 - ALL INSTRUMENTS ON THIS DRAWING TO BE PREFIXED BY 'CRA' UNLESS SPECIFICALLY NOTED OTHERWISE, 12 IS IDENTIFIED AS 'CRA-FI-2'.
 - ALL PRESSURE AND FLOW INSTRUMENT ROOT VALVES SHALL BE 3/4" GLOBE VALVES UNLESS SPECIFICALLY NOTED OTHERWISE.
 - PIPING AND VALVES AND ASSOCIATED COMPONENTS ON THIS DWS SHALL BE CLASSIFIED AS FOLLOWS (BREAK POINTS INDICATED BY FLOW DIAGRAM):
 - PIPING AND VALVES WITHIN PRIMARY CONTAINMENT AND UP TO THE OUTERMOST ISOLATION VALVES:
 - SEISMIC CATEGORY --- I
 - QUALITY CLASS --- I
 - CODE GROUP --- B
 - PIPING AND VALVES BEYOND OUTERMOST ISOLATION VALVE (EXCEPT INSTRUMENT LINES AS NOTED):
 - SEISMIC CATEGORY --- II
 - QUALITY CLASS --- D
 - CODE GROUP --- D
 - INSTRUMENT LINES AS NOTED:
 - SEISMIC CATEGORY --- I
 - QUALITY CLASS --- I
 - CODE GROUP --- C
 - EXCEPT AS NOTED ON M619 INSTRUMENT CONNECTION DIAGRAMS.
 - ALL DUCTWORK WITHIN THE PRIMARY CONTAINMENT SHALL BE CLASSIFIED AS FOLLOWS:
 - SEISMIC CATEGORY --- I
 - QUALITY CLASS --- I
 - THESE VALVES WILL BE INCLUDED IN THE "ISOLATION VALVE POSITION DISPLAY PANEL."
 - ALL PIPING SYSTEMS IDENTIFIED BY THE PREFIX 'PI' SHALL BE SUPPLIED AND INSTALLED BY CONTRACT 220.
 - ALL VALVE TEST CONNECTIONS FOR LINES PENETRATING PRIMARY CONTAINMENT SHALL CONSIST OF 3/4" GLOBE VALVES, WHICH SHALL BE TAGGED AS FOLLOWS:
 - BLOCK VALVE (W-V-X (PENETRATION NO) (P-EFF-X (PENETRATION NO) (C-V-X (PENETRATION NO)
 - EXCESS FLOW CHECK VALVE, (P-EFF-X (PENETRATION NO)
 - CHECK VALVE (C-V-X (PENETRATION NO)
 - *USE PI FOR INSTRUMENT LINES AND PSR FOR SAMPLING LINES.
 - ALL TAGS FOR INSTRUMENT ROOT VALVES WILL BE FURNISHED AND INSTALLED BY OWNER.
 - ALL AIR QUANTITIES INDICATED ARE ACTUAL CFM.
 - SEE M619 SHEET 161 FOR THE CONSTRUCTION DETAILS OF THE QUALITY CLASS I INSTRUMENT AIR SYSTEM.
 - ** FURNISHED BY CONTRACT 216, INSTALLED BY OTHERS (CONTRACT 216).

PRC
APERTURE
CARD

INFORMATION ONLY

BURNS AND ROE, INC. ENGINEERS AND ARCHITECTS ORADELL, N.Y. 11767 LOS ANGELES, CALIF.	
FLOW DIAGRAM - REACTOR BLDG. PRIMARY CONTAINMENT COOLING AND PURGING SYSTEM	
WASHINGTON PUBLIC POWER SUPPLY SYSTEM HANFORD NO. 2	
ENGINEERING REVIEW DATE: 11/11/78 BY: J. J. ZALUTSKY	SCALE: 1" = 10' - 0"
DESIGN REVIEW DATE: 11/11/78 BY: J. J. ZALUTSKY	STATUS: PRELIMINARY INFO.
CONSTRUCTION REVIEW DATE: 11/11/78 BY: J. J. ZALUTSKY	REVISION NO. 1
CLIENT APPROVAL DATE: 11/11/78 BY: J. J. ZALUTSKY	W.O. 2808 DWG. M543