



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-5A, 5B, 5C, 5D	2	2	
5 CONTAINMENT HEAD AREA RETURN AIR FAN - CRA-FN-4A & 4B	1	1	

- NOTES:**
- FOR ALL FAN COIL UNITS (FC), THE FILTERS ARE USED ONLY DURING CONSTRUCTION PERIOD.
 - ISOLATION SIGNAL CODES:**
A - REACTOR VESSEL LOW WATER LEVEL
F - HIGH DRYWELL PRESSURE
Z - 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. I.E. (FI) 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 DRAWING SHALL BE CLASSIFIED AS FOLLOWS (BREAK POINTS INDICATED BY FLOW DIAGRAM)
a. PIPING AND VALVES WITHIN PRIMARY CONTAINMENT AND UP TO THE OUTERMOST ISOLATION VALVES
SEISMIC CATEGORY --- I
QUALITY CLASS --- I
CODE GROUP --- B
b. PIPING AND VALVES BEYOND OUTERMOST ISOLATION VALVE (EXCEPT INSTRUMENT LINES AS NOTED)
SEISMIC CATEGORY --- II
QUALITY CLASS --- D
CODE GROUP --- D
c. INSTRUMENT LINES AS NOTED
SEISMIC CATEGORY --- I
QUALITY CLASS --- I
CODE GROUP --- M-1
d. 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 'PS' 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:
a. BLOCK VALVE (BV)-X (PENETRATION NO)
b. EXCESS FLOW CHECK VALVE, (EFCV)-X (PENETRATION NO)
c. CHECK VALVE (CV)-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 INSTRUMENT AIR SYSTEM.
 - ** FURNISHED BY CONTRACT 216 INSTALLED BY OTHERS (CONTRACT 216)

VOID
ER FSAR FIG. NO. 9.4-B (3.2-15)
BURNS AND ROE, INC.
ENGINEERS AND CONSTRUCTORS
ORADELL, N. J. HEMPSTEAD, N. Y. LOS ANGELES, CALIF.
FLOW DIAGRAM - REACTOR BLDG.
PRIMARY CONTAINMENT COOLING
AND PURGING SYSTEM
WASHINGTON PUBLIC POWER SUPPLY SYSTEM
HANFORD NO. 2

REVISION	DATE	DRWN	CHKD	APPROVED	REVISED	DATE	DRWN	CHKD	APPROVED	REVISED	DATE	DRWN	CHKD	APPROVED	REVISED	DATE	DRWN	CHKD	APPROVED	REVISED	
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