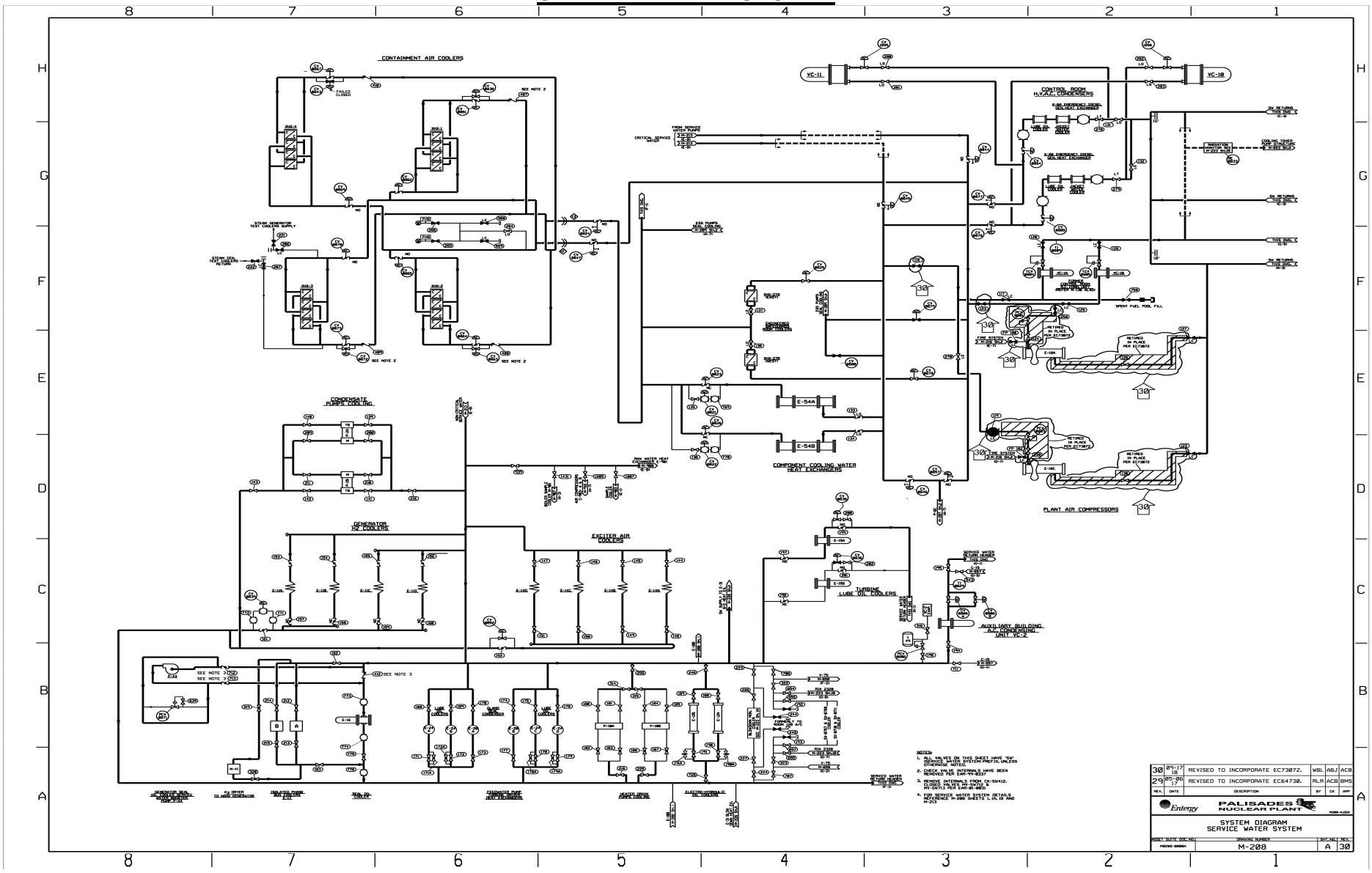
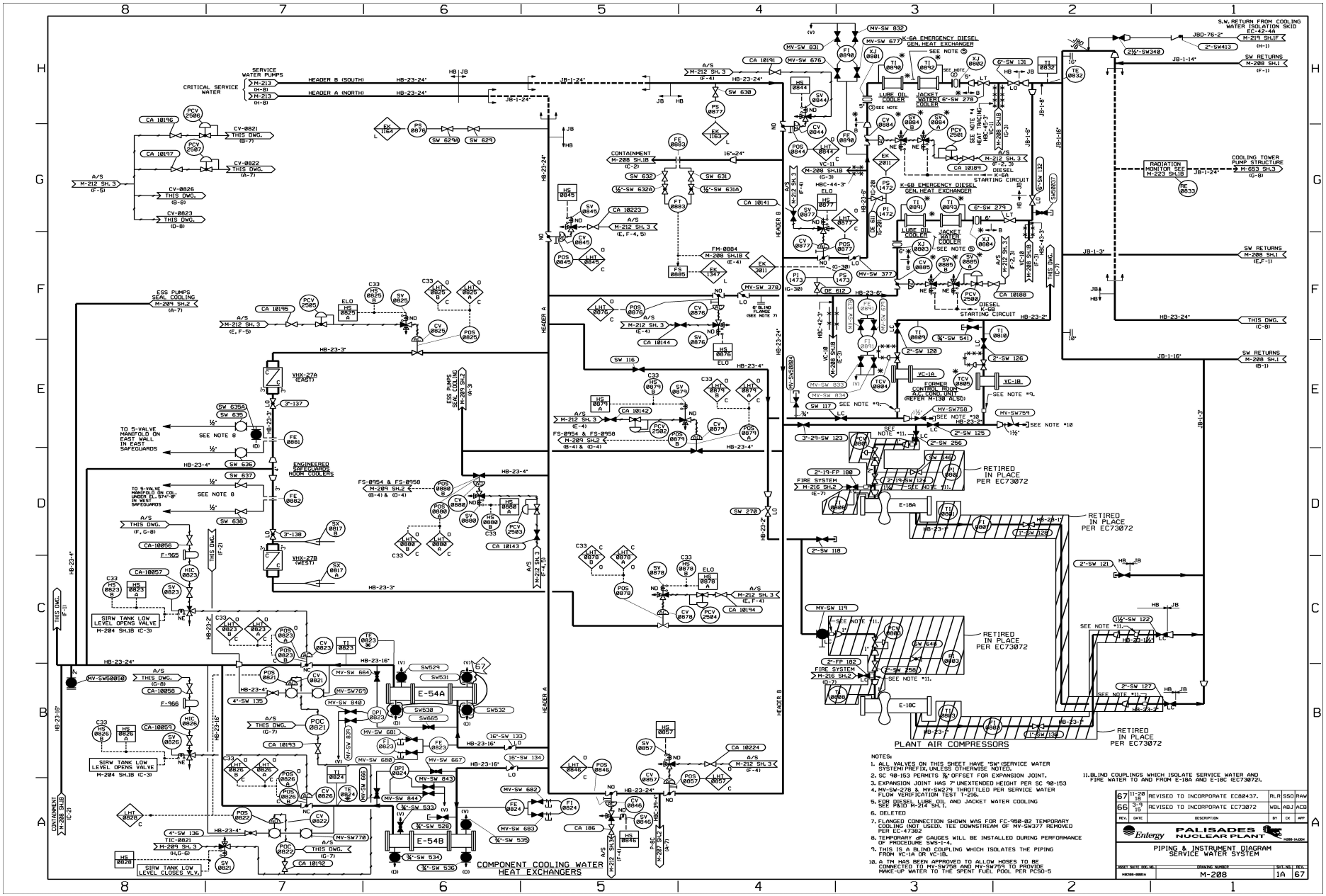
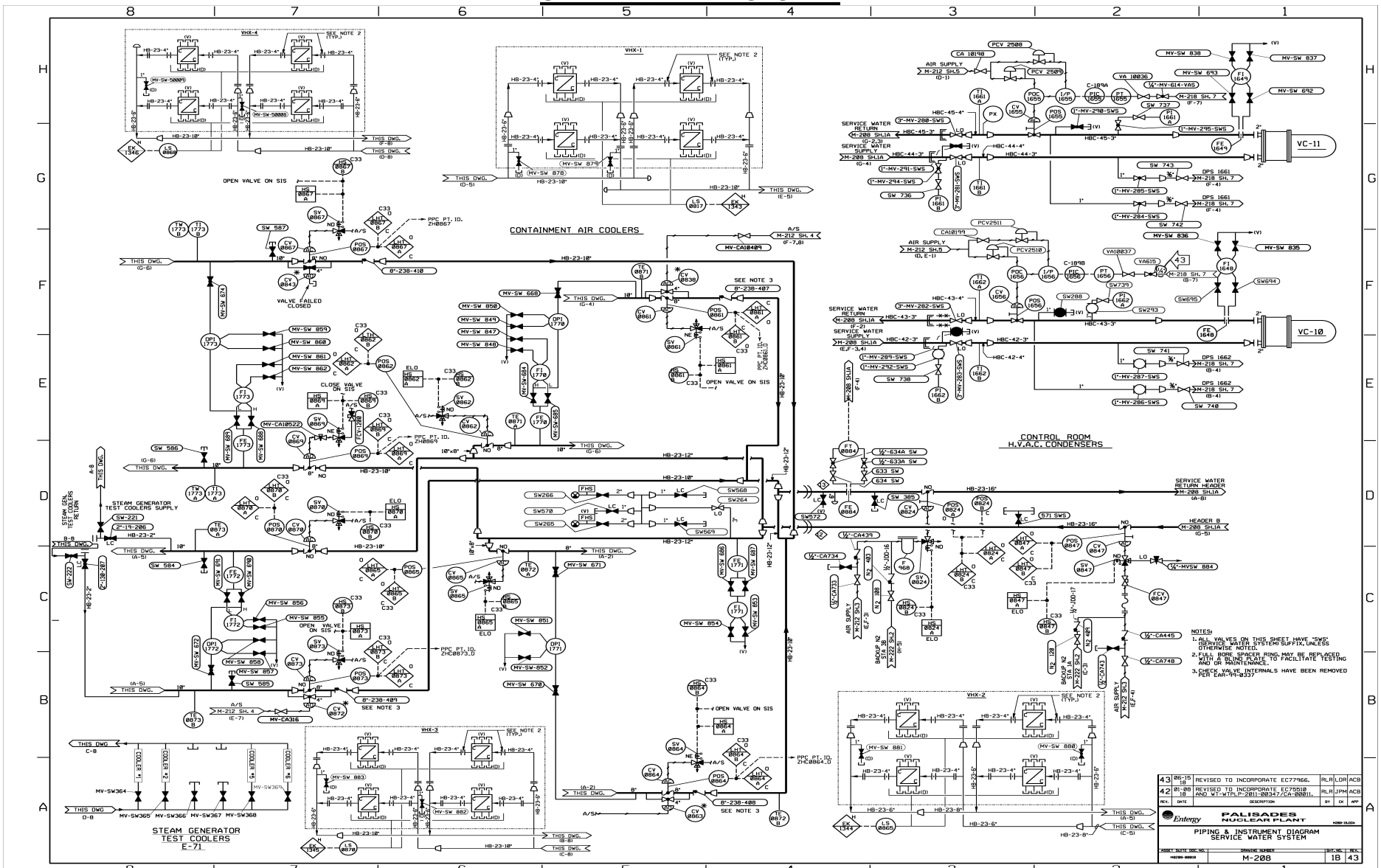
SYSTEM DIAGRAM
SERVICE WATER SYSTEM



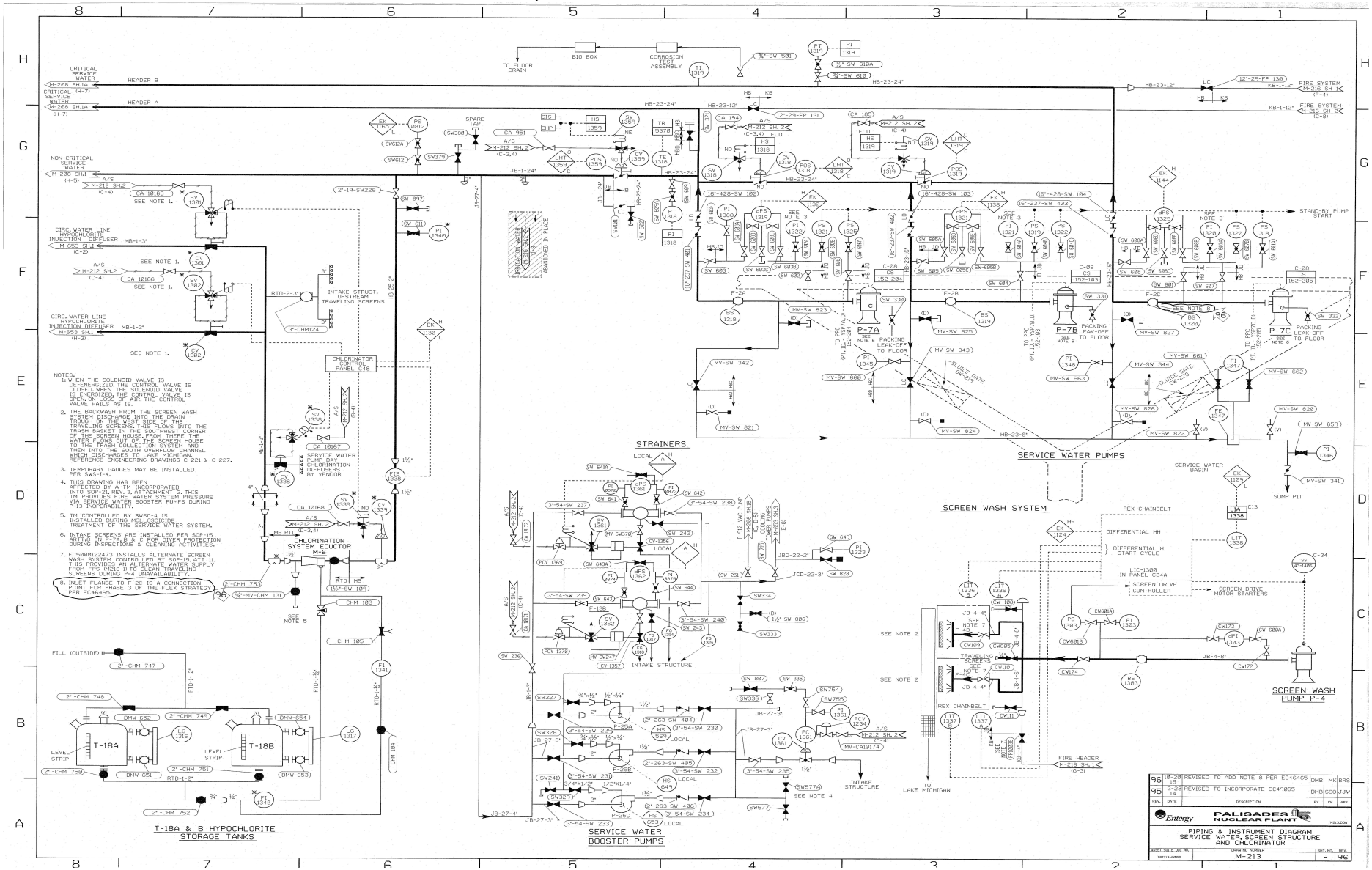
PIPING & INSTRUMENT DIAGRAM
SERVICE WATER SYSTEM



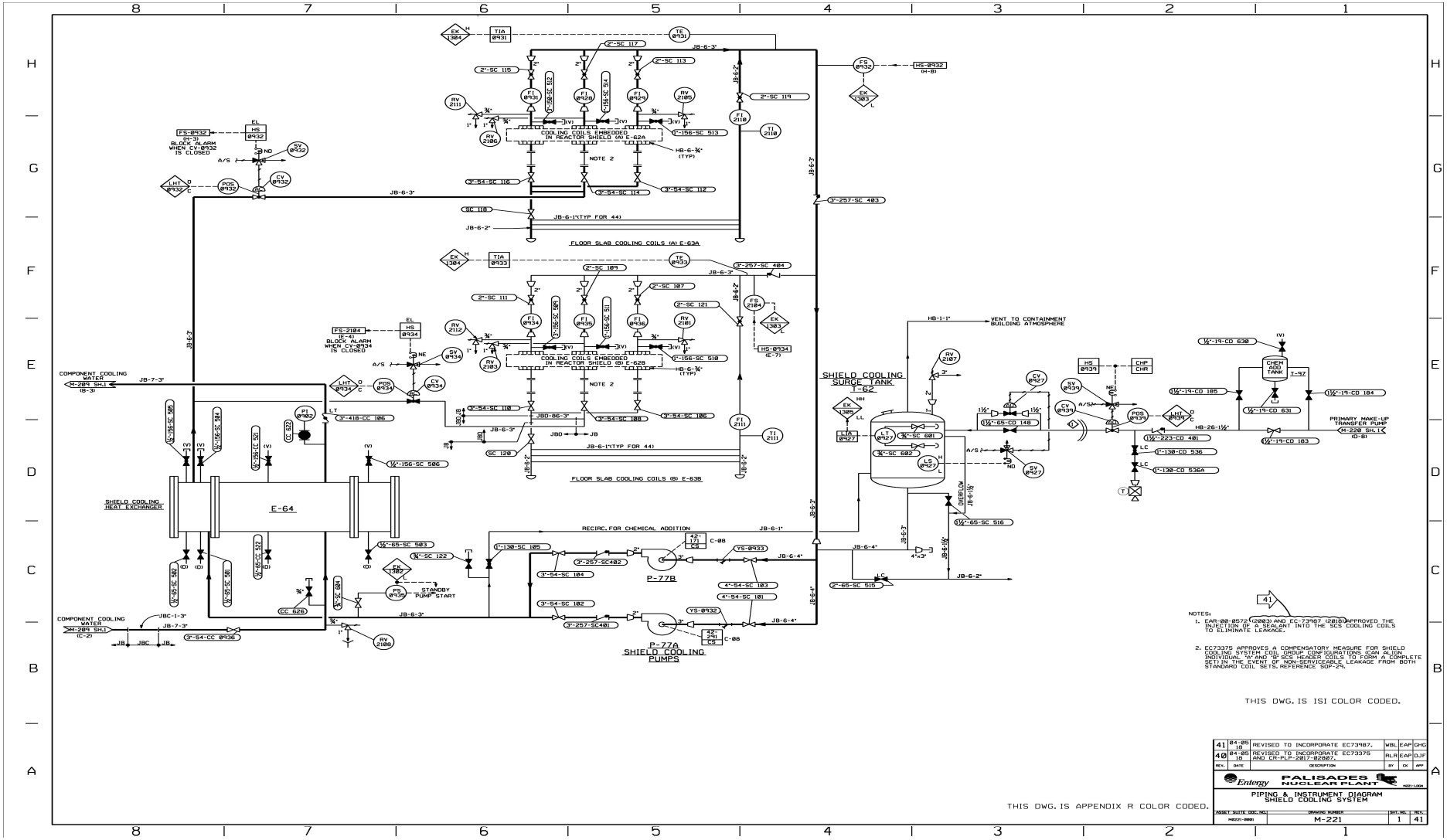
PIPING & INSTRUMENT DIAGRAM
SERVICE WATER SYSTEM



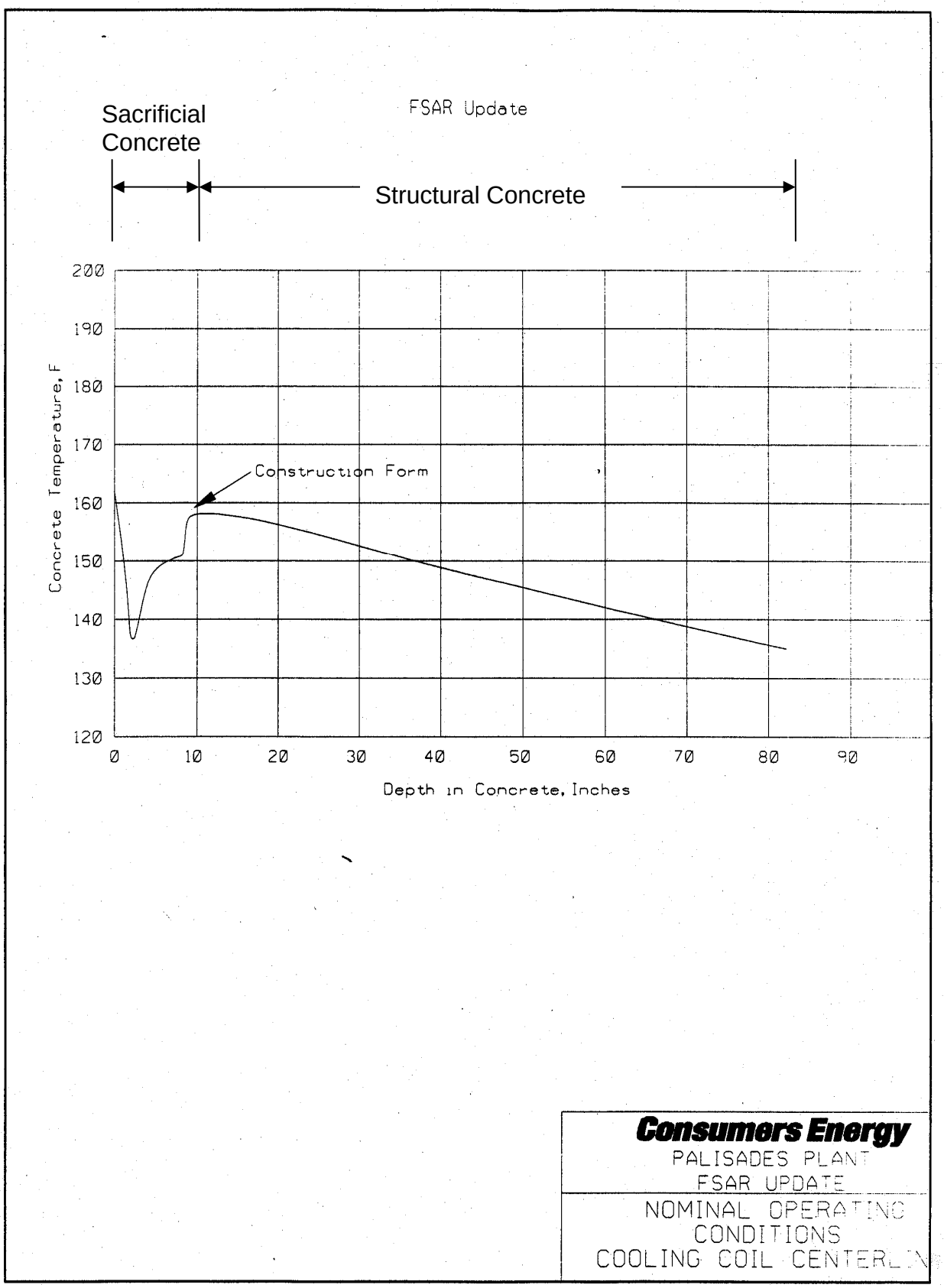
PIPING & INSTRUMENT DIAGRAM
SERVICE WATER, SCREEN STRUCTURE AND CHLORINATOR



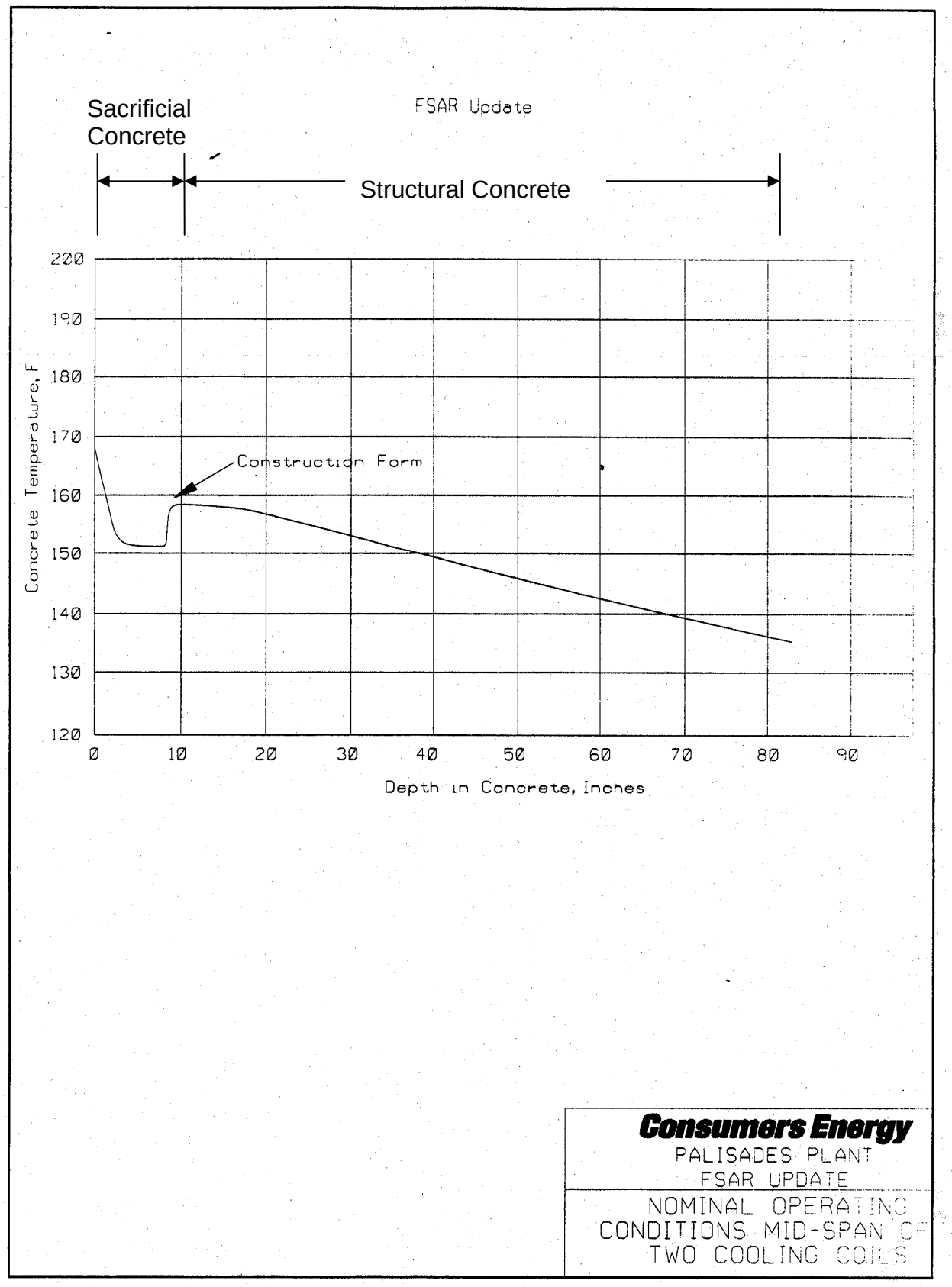
PIPING & INSTRUMENT DIAGRAM
SHIELD COOLING SYSTEM



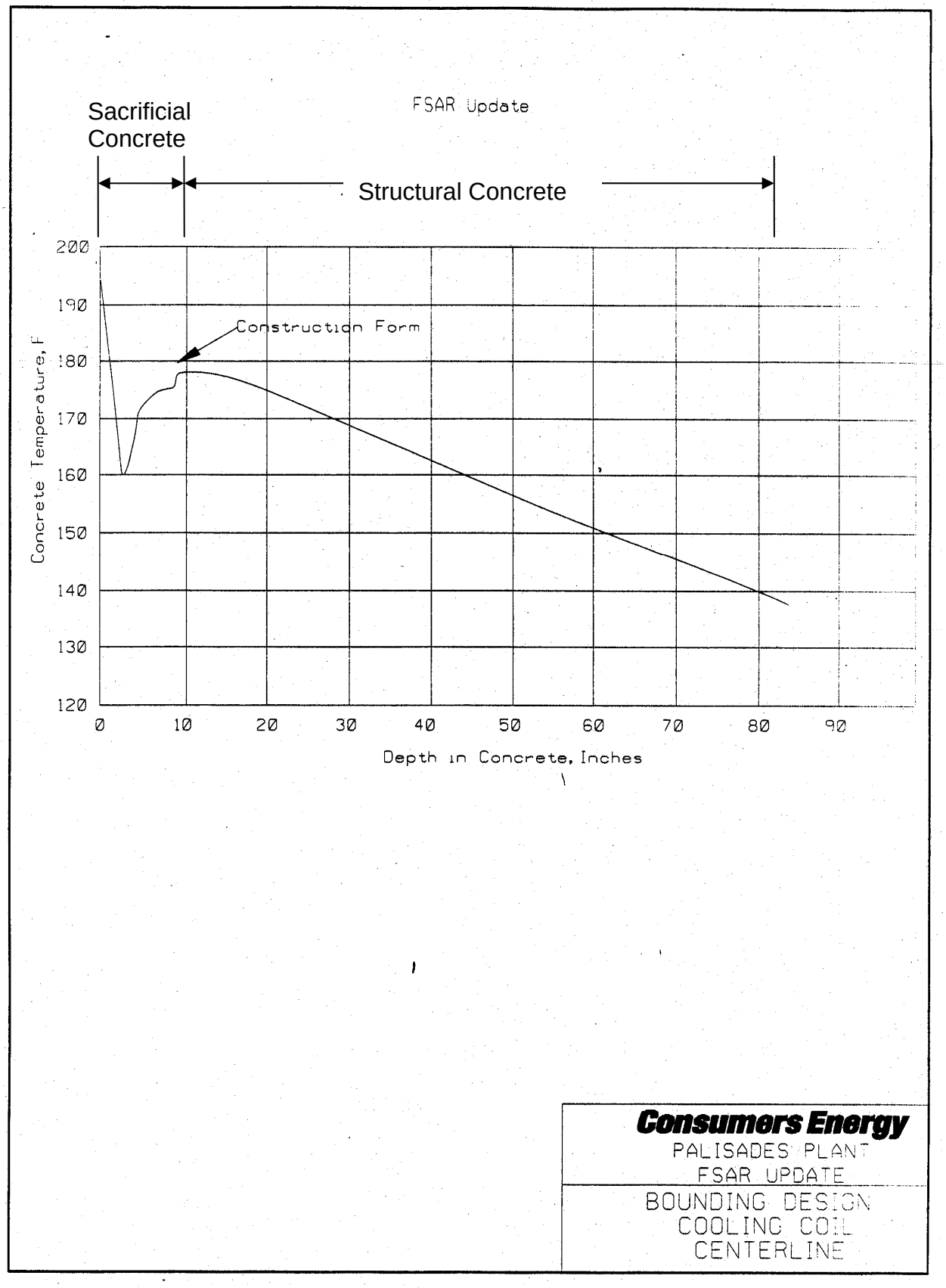
NORMAL OPERATING CONDITIONS COOLING COIL CENTERLINE



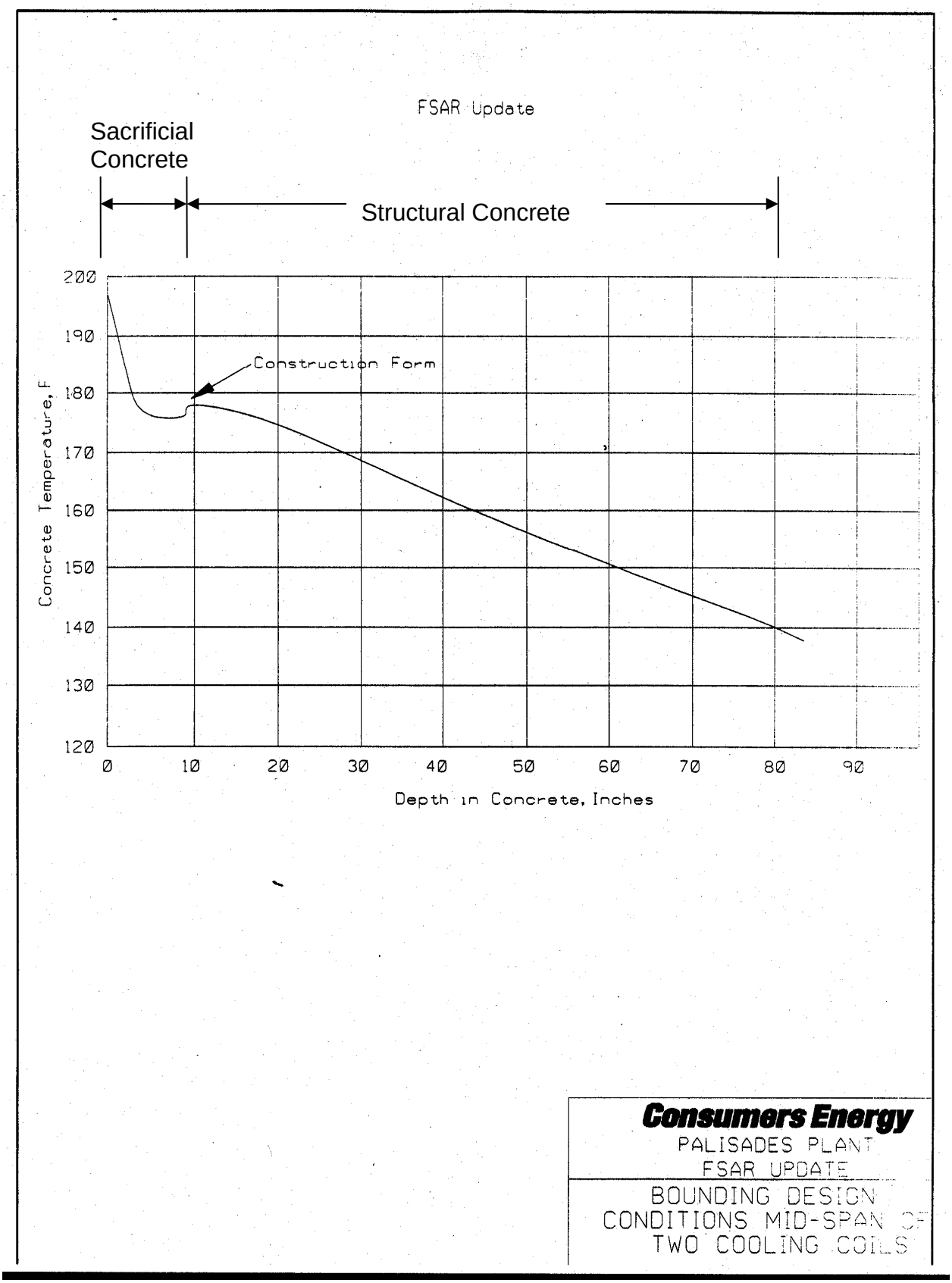
NORMAL OPERATING CONDITIONS MID-SPAN OF TWO COOLING COILS



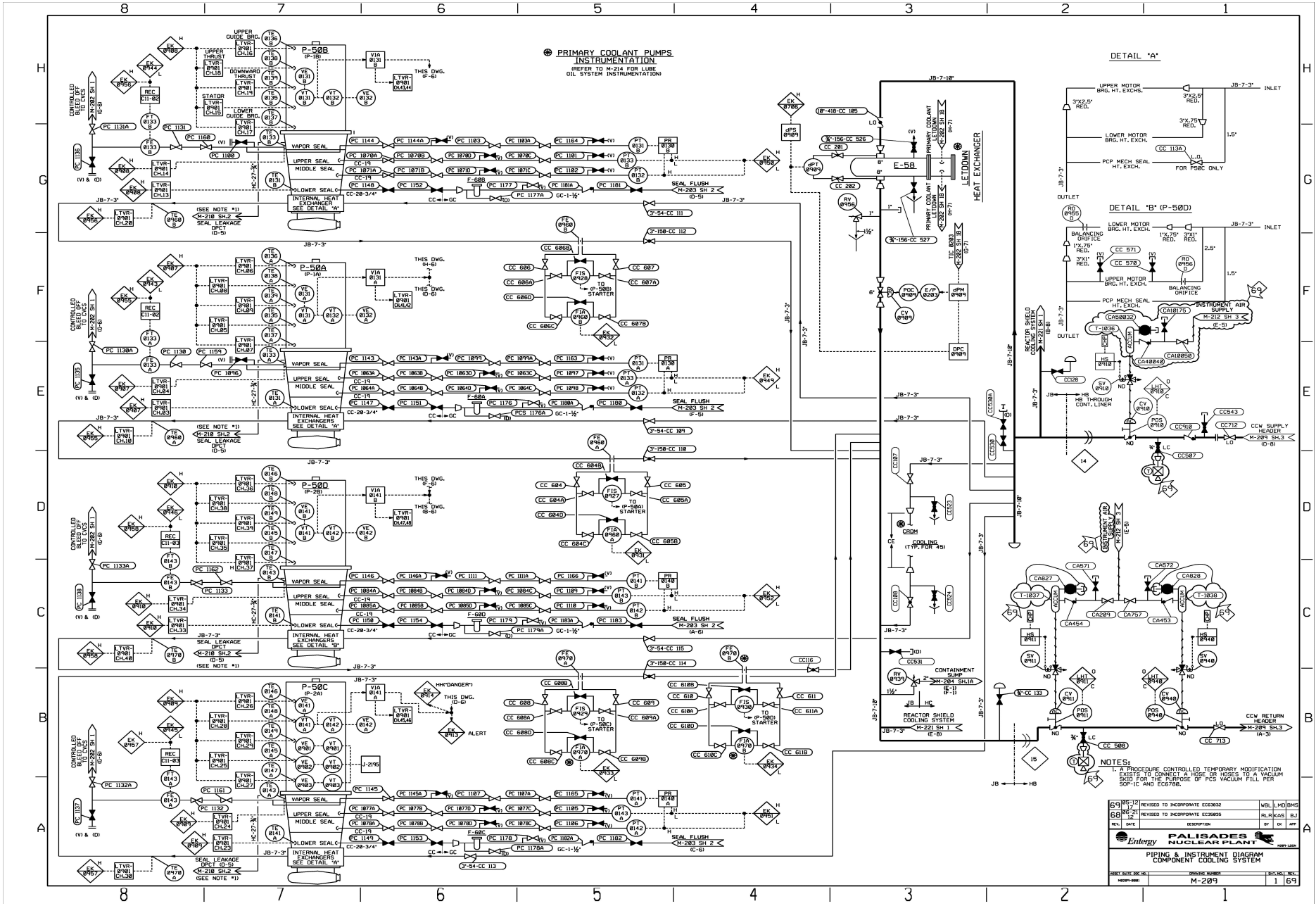
BOUNDING DESIGN COOLING COIL CENTERLINE



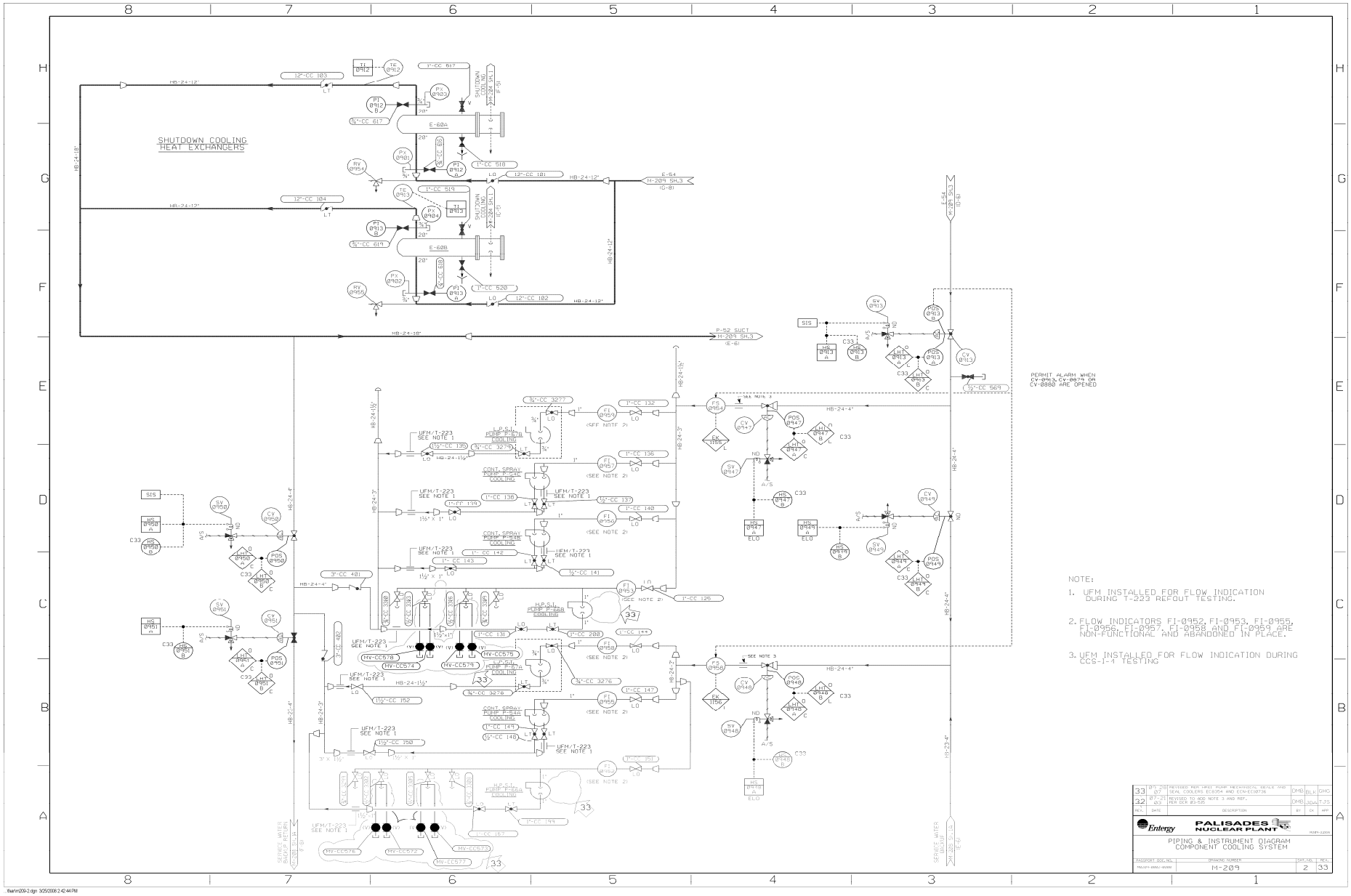
BOUNDING DESIGN CONDITIONS AND MID-SPAN OF TWO COOLING COILS



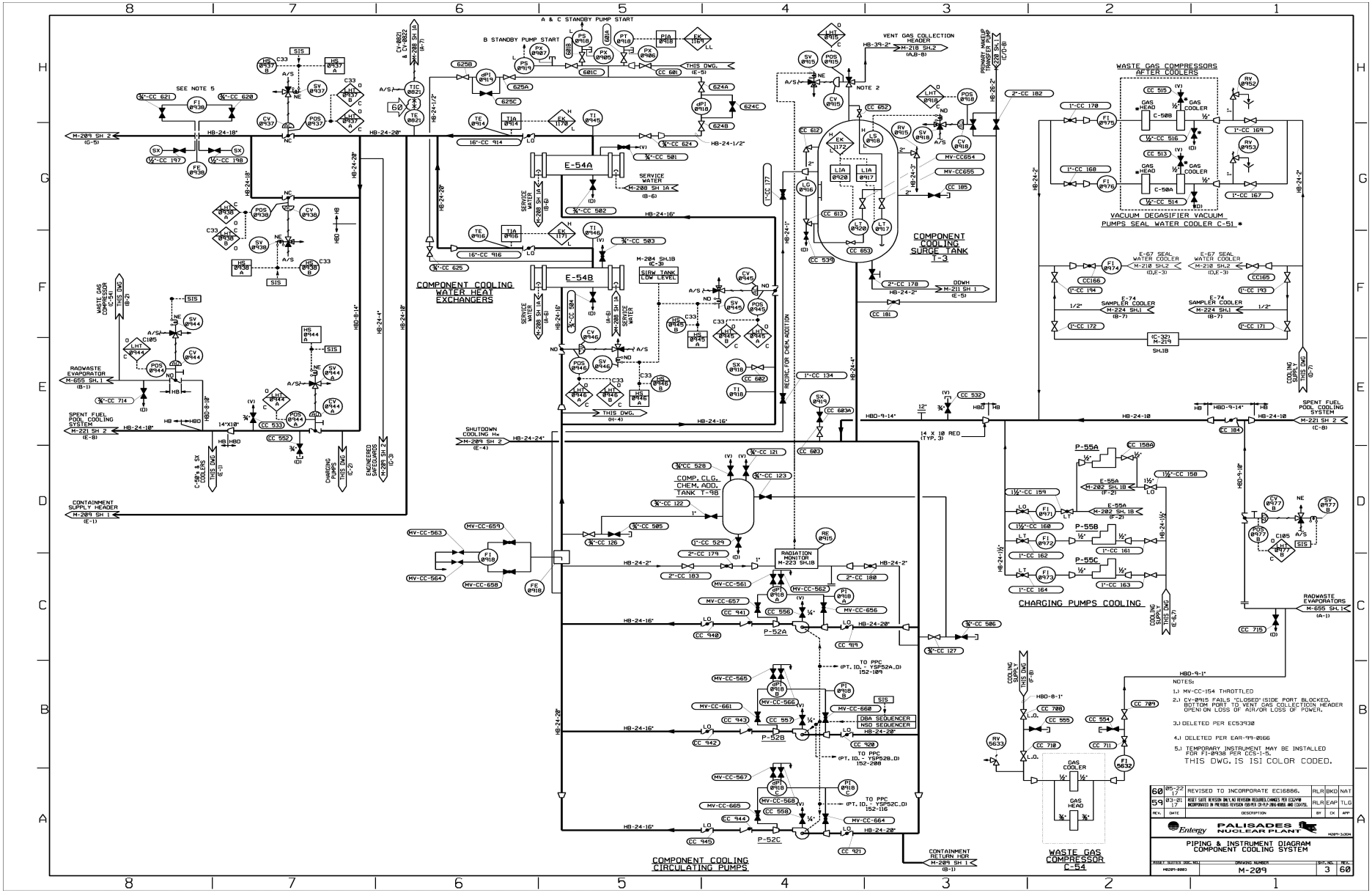
PIPING & INSTRUMENT DIAGRAM
COMPONENT COOLING SYSTEM



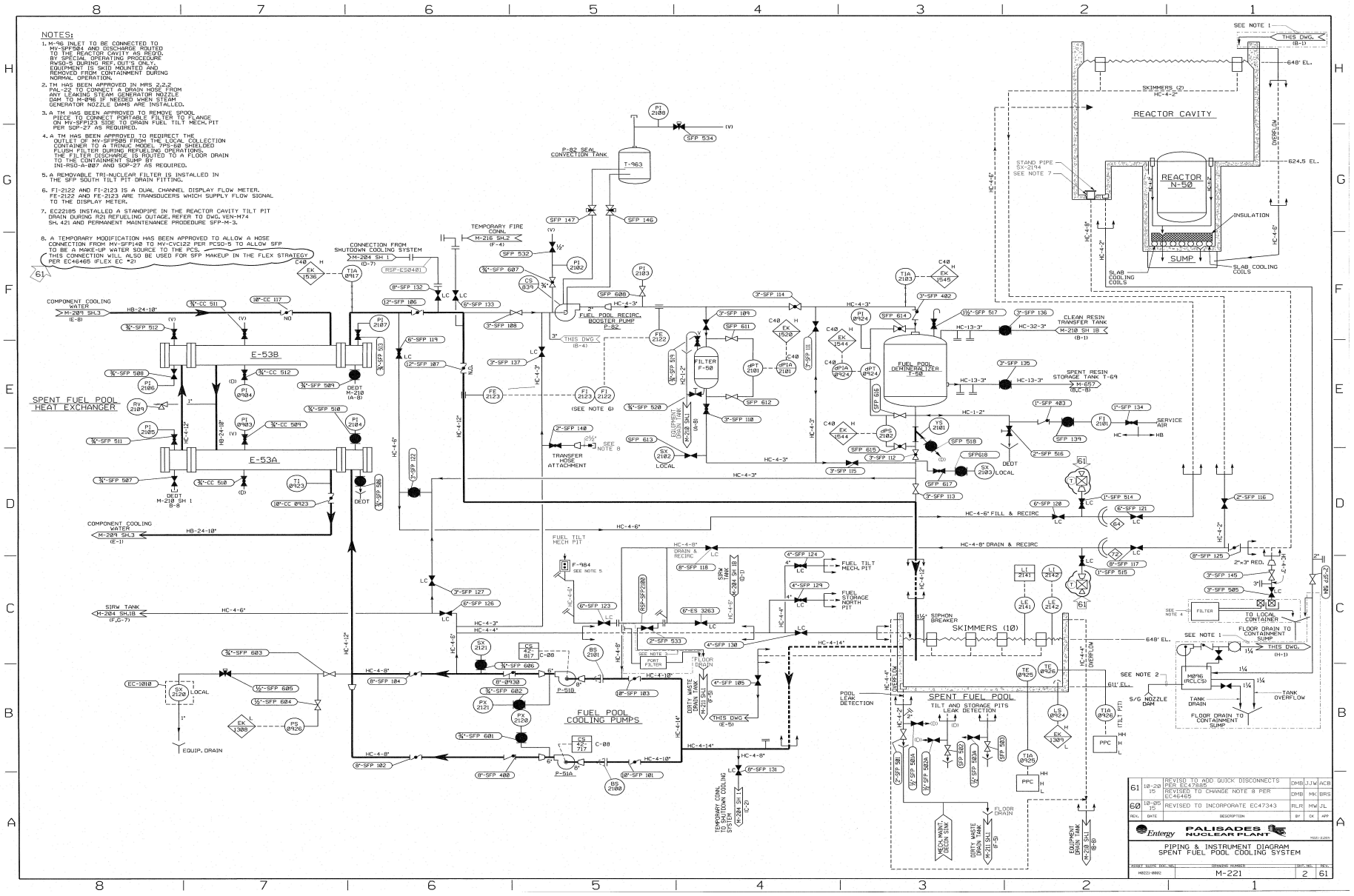
PIPING & INSTRUMENT DIAGRAM
COMPONENT COOLING SYSTEM



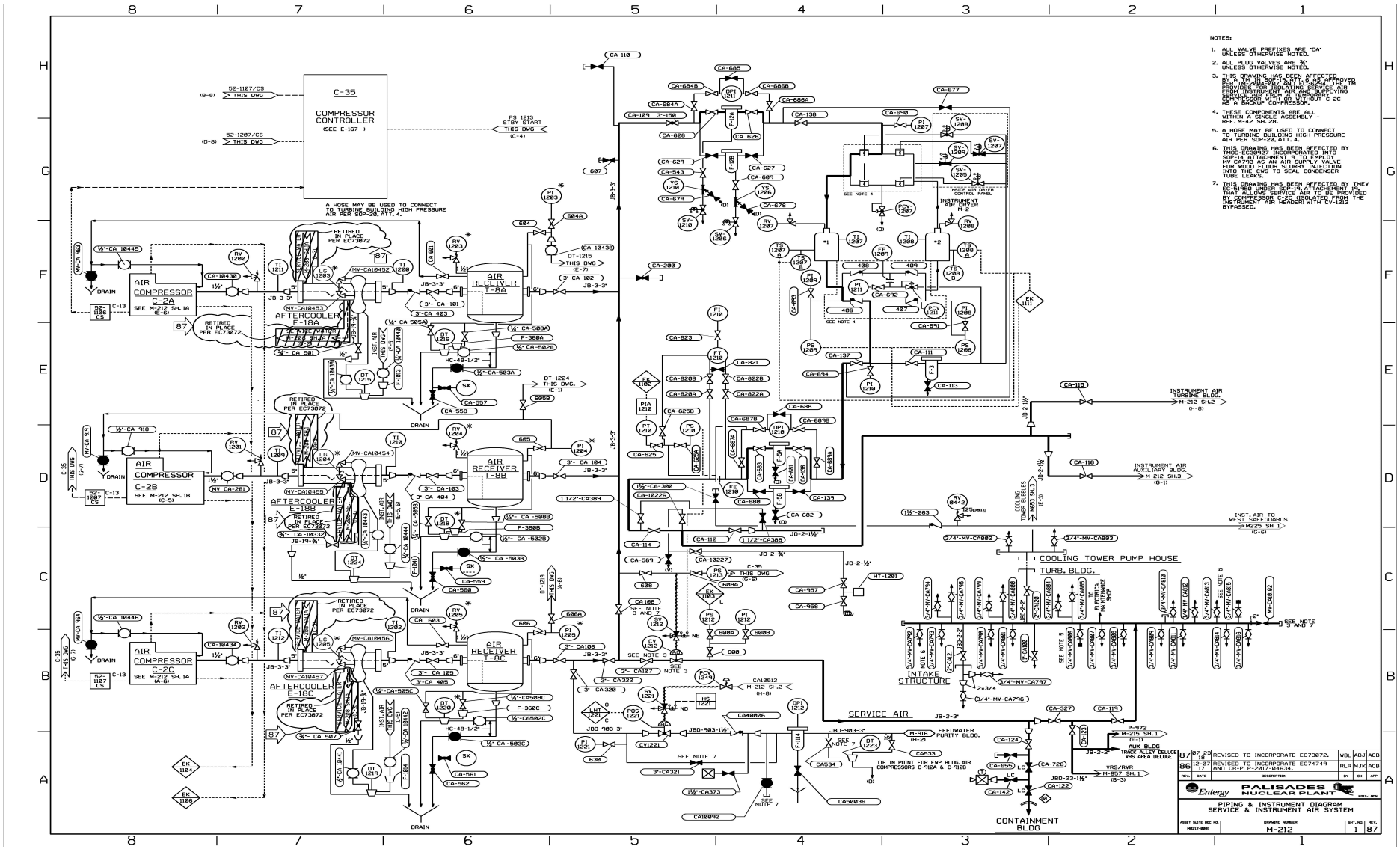
PIPING & INSTRUMENT DIAGRAM
COMPONENT COOLING SYSTEM



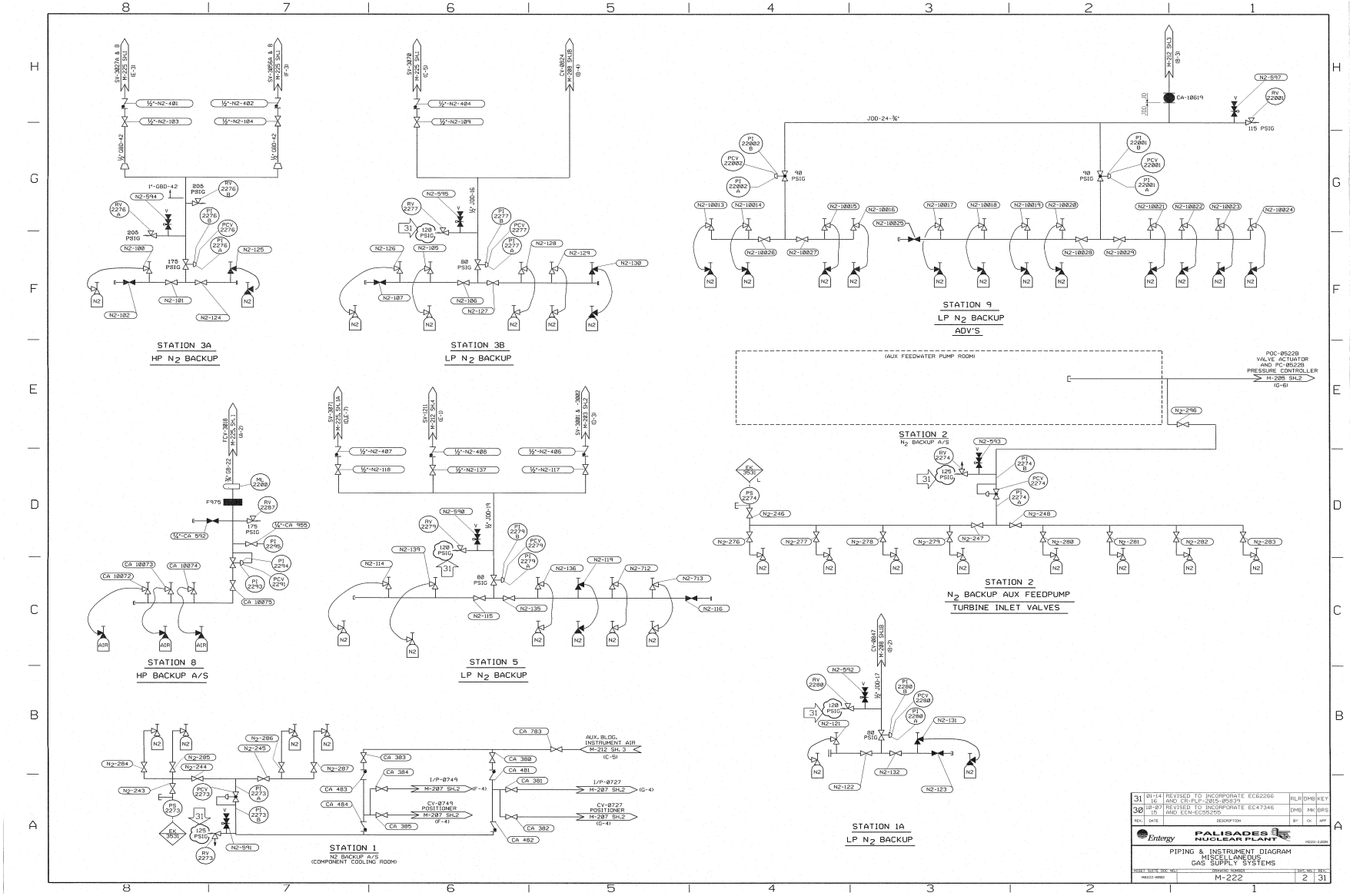
PIPING & INSTRUMENT DIAGRAM
SPENT FUEL POOL COOLING SYSTEM



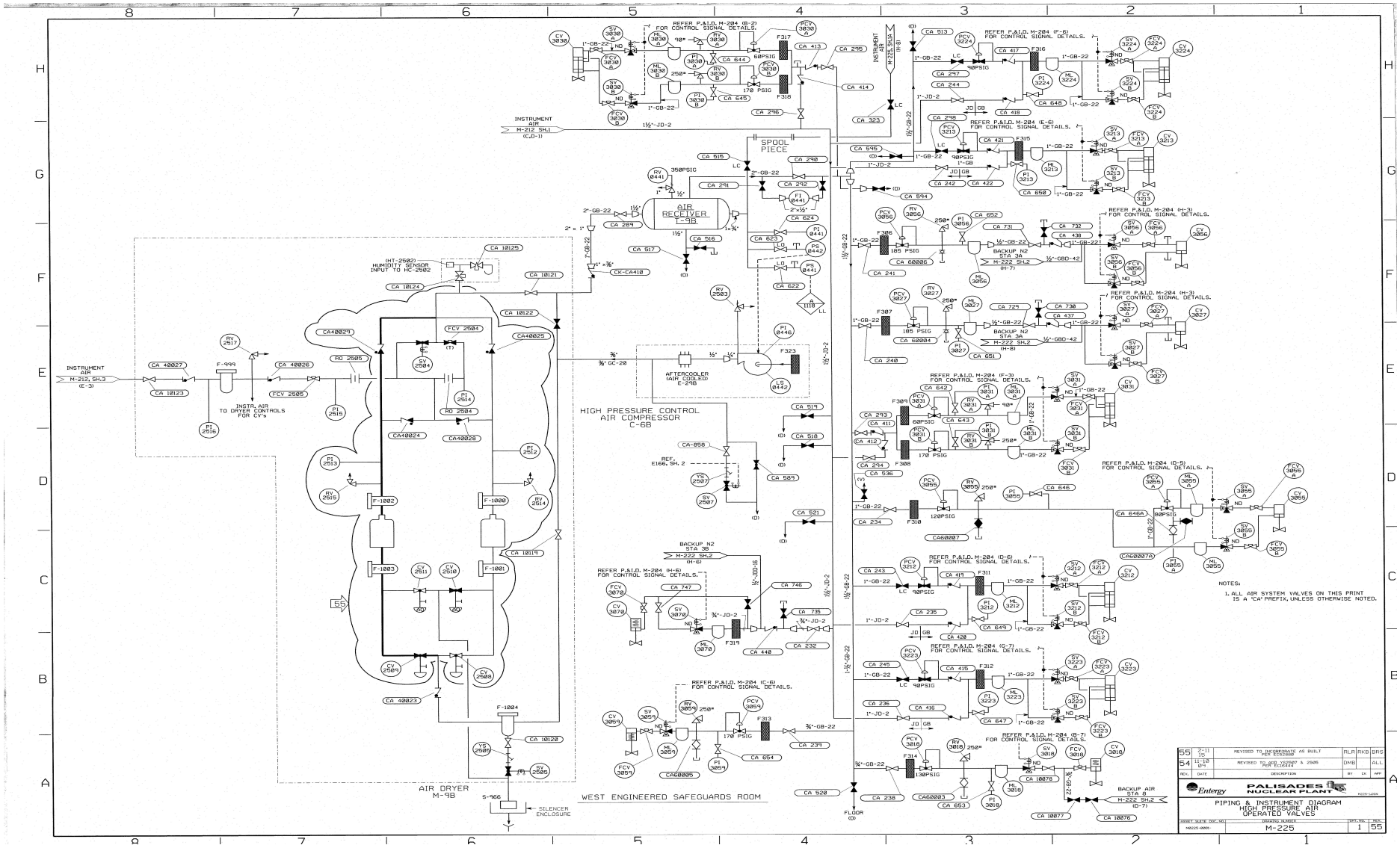
PIPING & INSTRUMENT DIAGRAM
SERVICE AND INSTRUMENT AIR SYSTEMS



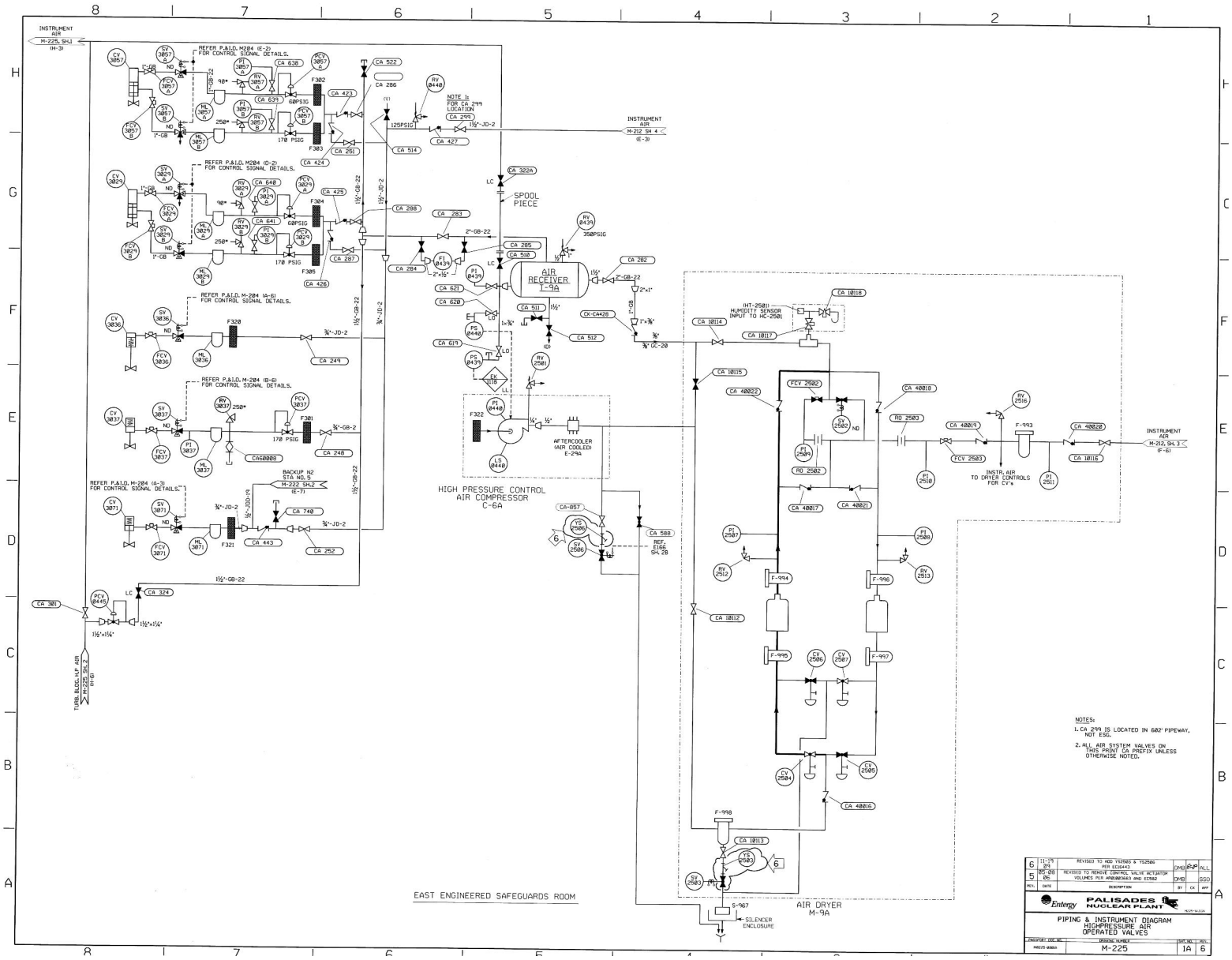
PIPING & INSTRUMENT DIAGRAM
MISCELLANEOUS GAS SUPPLY SYSTEMS



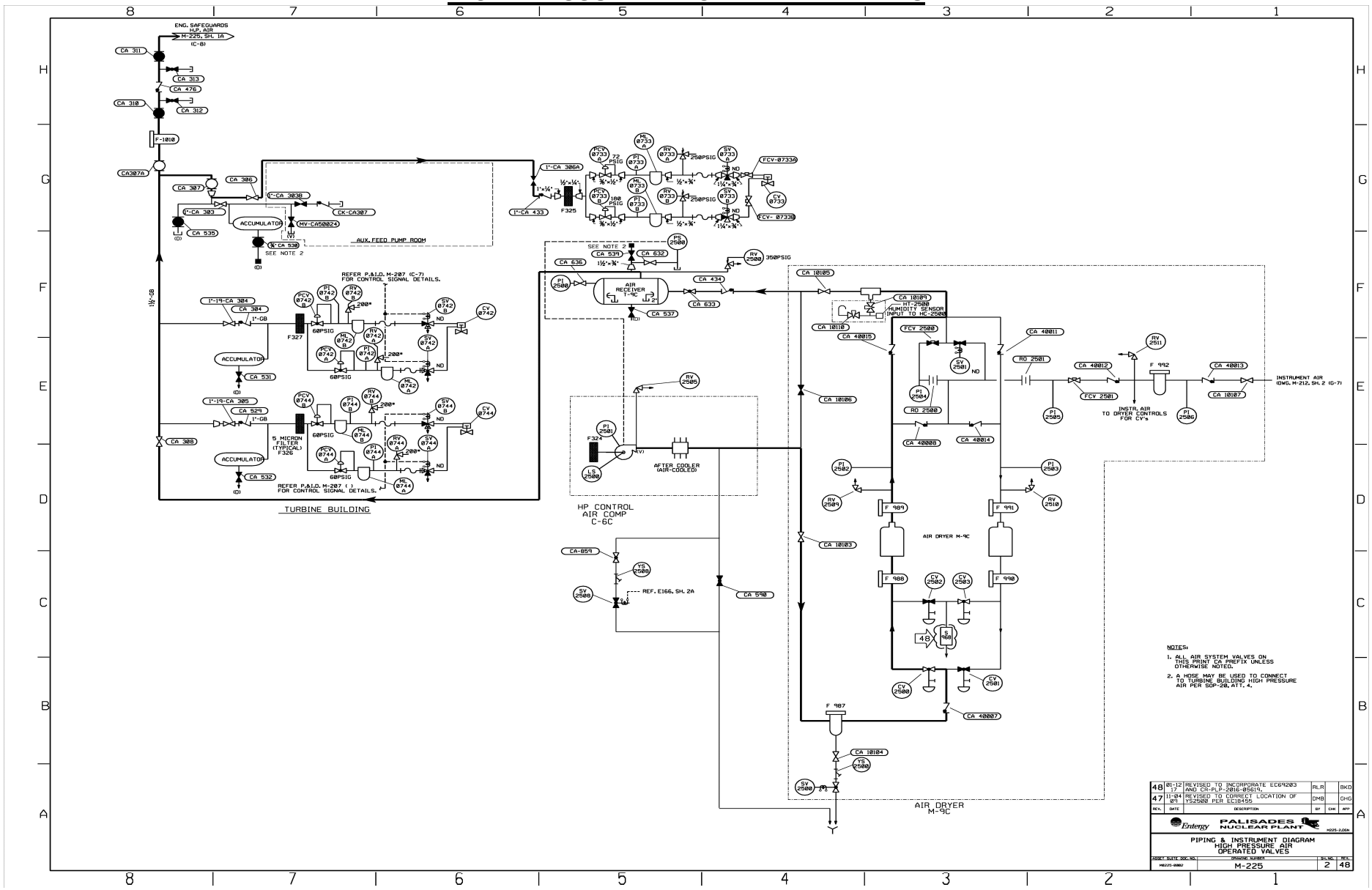
PIPING & INSTRUMENT DIAGRAM
HIGH PRESSURE AIR OPERATED VALVES



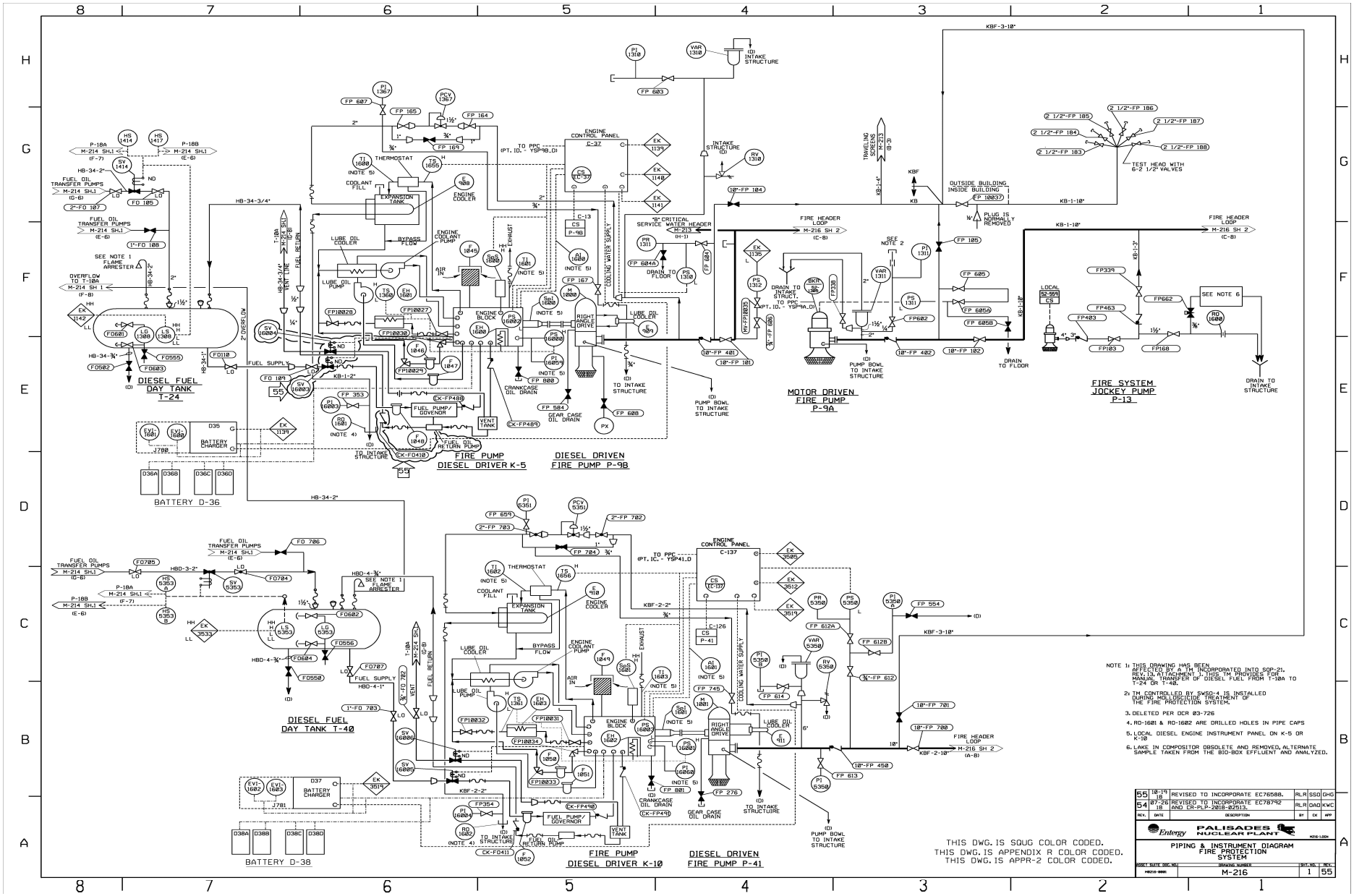
PIPING & INSTRUMENT DIAGRAM
HIGH PRESSURE AIR OPERATED VALVES



PIPING & INSTRUMENT DIAGRAM
HIGH PRESSURE AIR OPERATED VALVES



PIPING & INSTRUMENT DIAGRAM
FIRE PROTECTION SYSTEM



NOTE 1: THIS DRAWING HAS BEEN AFFECTED BY A TM INCORPORATED INTO SQP-21, REV.13, ATTACHMENT 1. THIS TM PROVIDES FOR MANUAL TRANSFER OF DIESEL FUEL FROM T-10A TO T-24 OR T-40.

2: TM CONTROLLED BY SWSQ-4 IS INSTALLED DURING MOLLUSCICIDE TREATMENT OF THE FIRE PROTECTION SYSTEM.

3. DELETED PER OCR 03-726

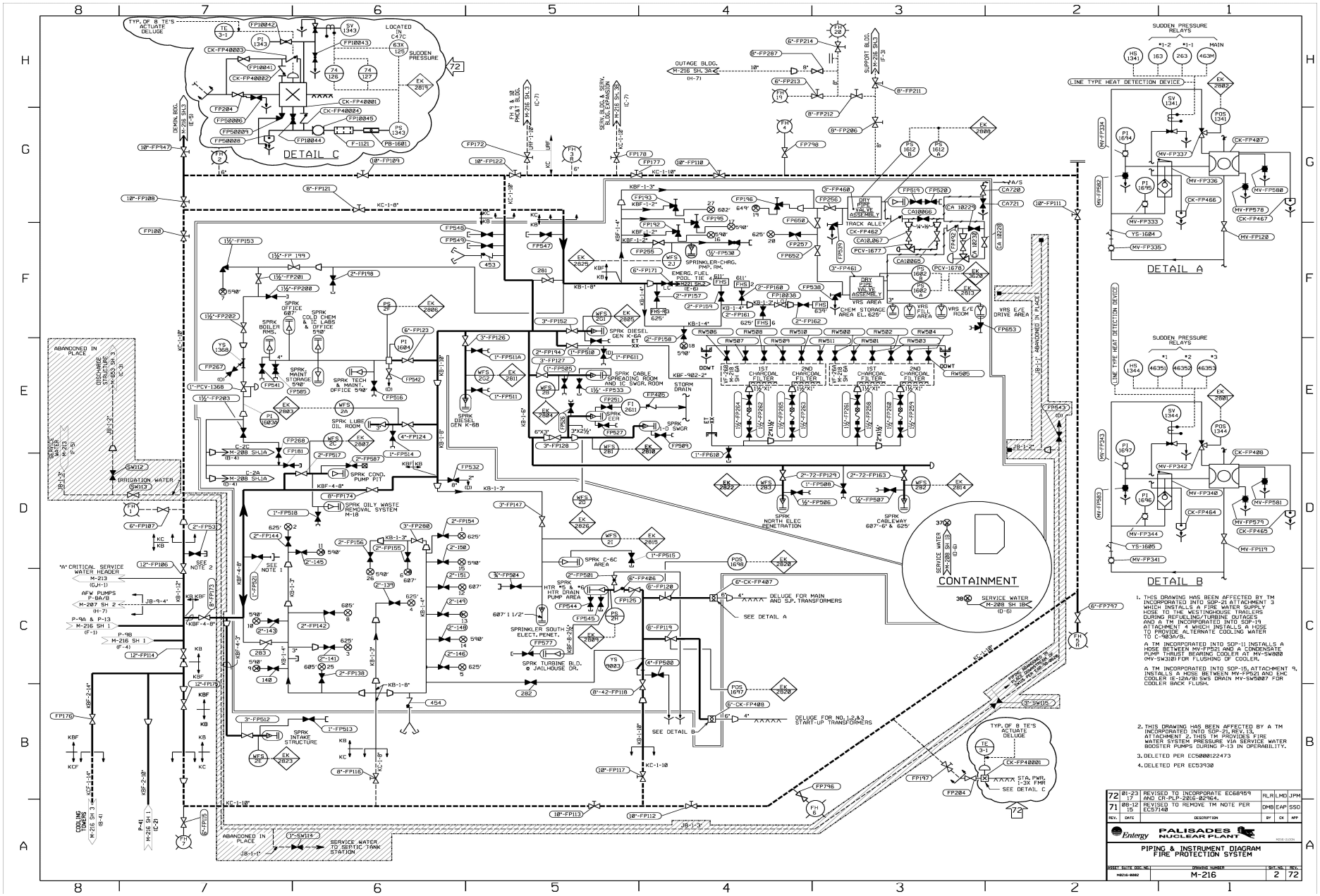
4. RO-1601 & RO-1602 ARE DRILLED HOLES IN PIPE CAPS

5. LOCAL DIESEL ENGINE INSTRUMENT PANEL ON K-5 OR K-10

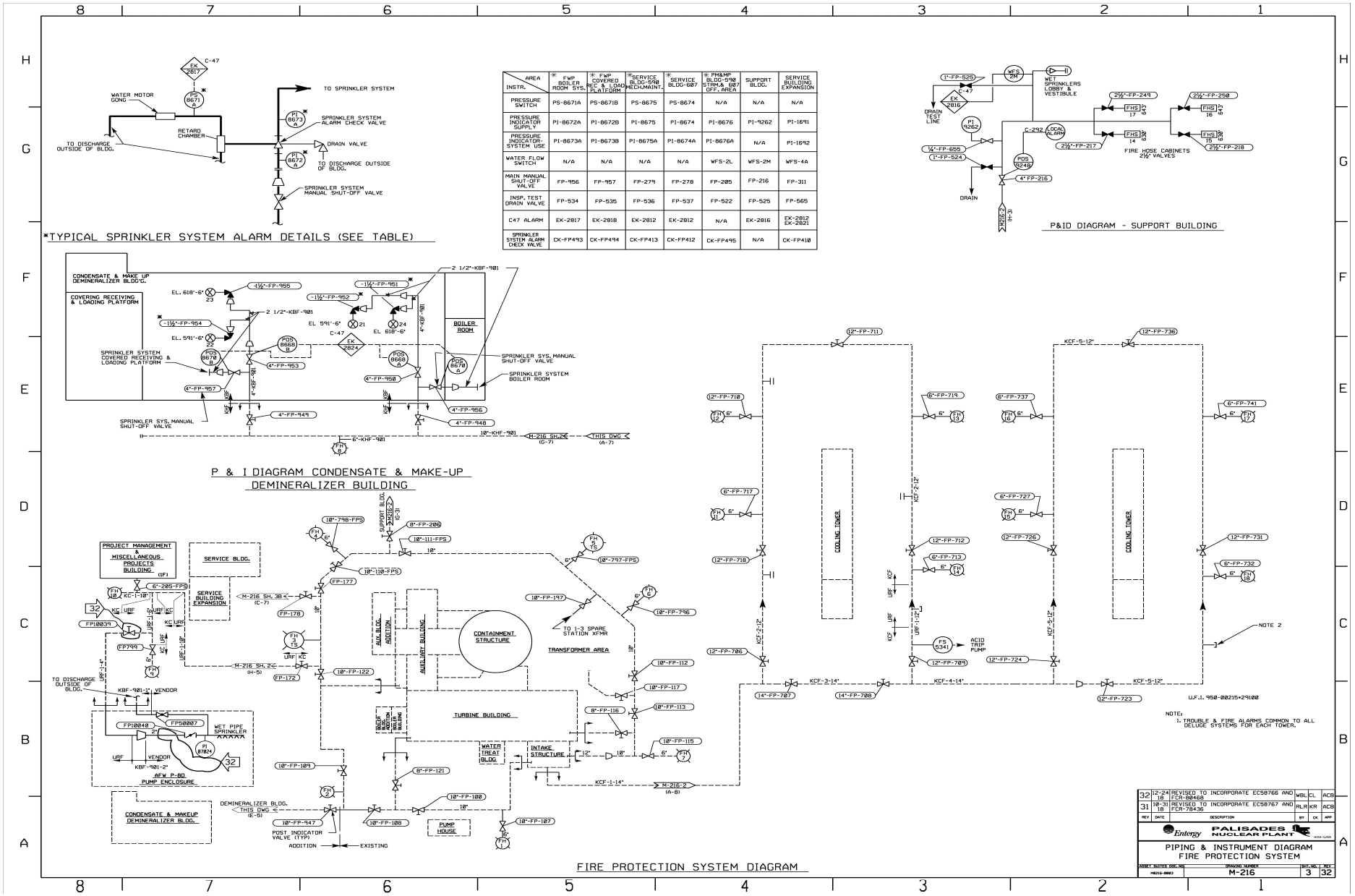
6. LAKE IN COMPOSITOR OBSOLETE AND REMOVED, ALTERNATE SAMPLE TAKEN FROM THE BIO-BOX EFFLUENT AND ANALYZED.

REV.	DATE	DESCRIPTION	BY	CK	APP
55	10-19 18	REVISED TO INCORPORATE EC76588.	RLR	SSO	GHG
54	07-26 18	REVISED TO INCORPORATE EC78742 AND CR-PLP-2018-02513.	RLR	DAO	KWC

PIPING & INSTRUMENT DIAGRAM
FIRE PROTECTION SYSTEM

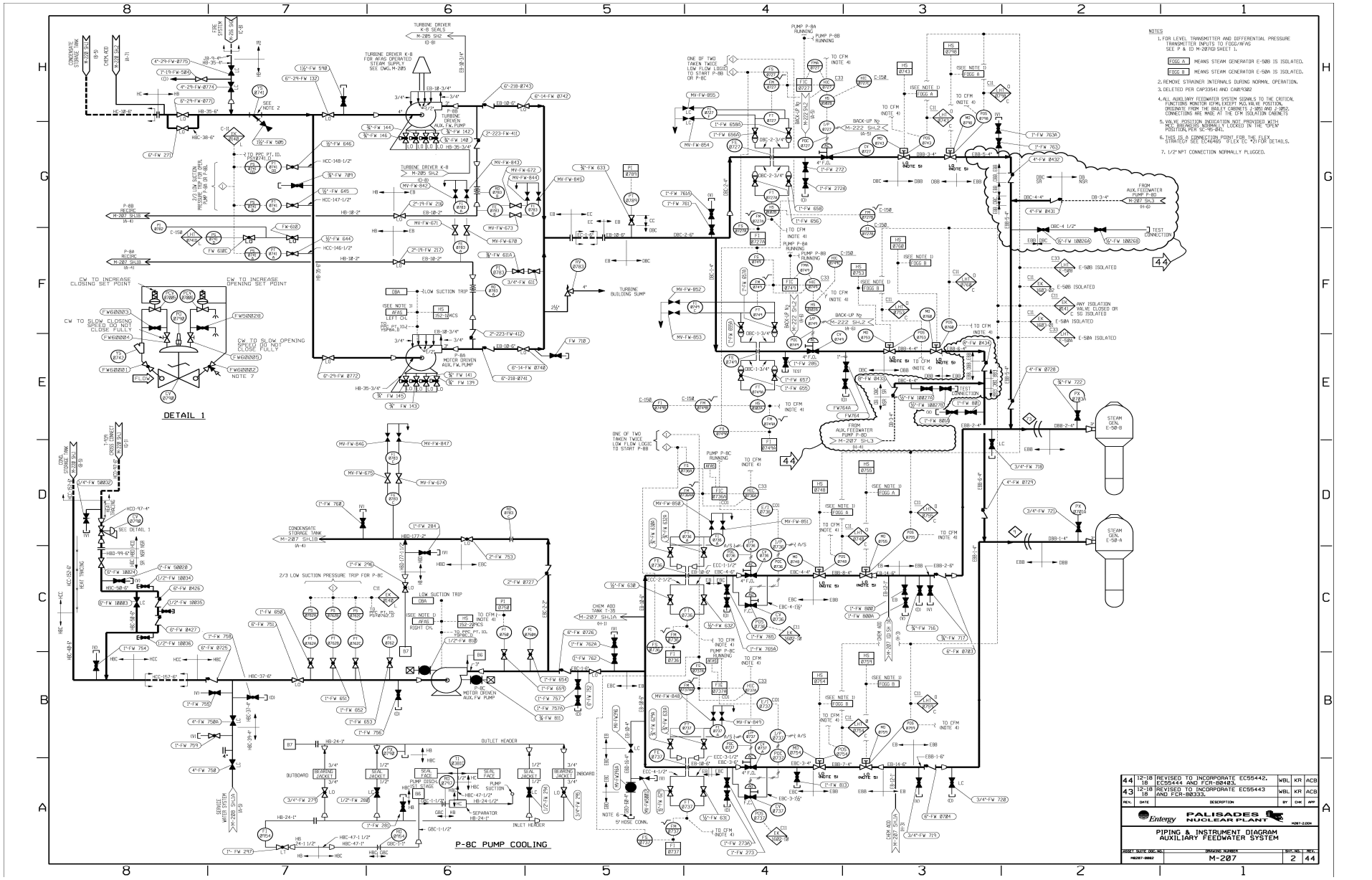


PIPING & INSTRUMENT DIAGRAM
FIRE PROTECTION SYSTEM

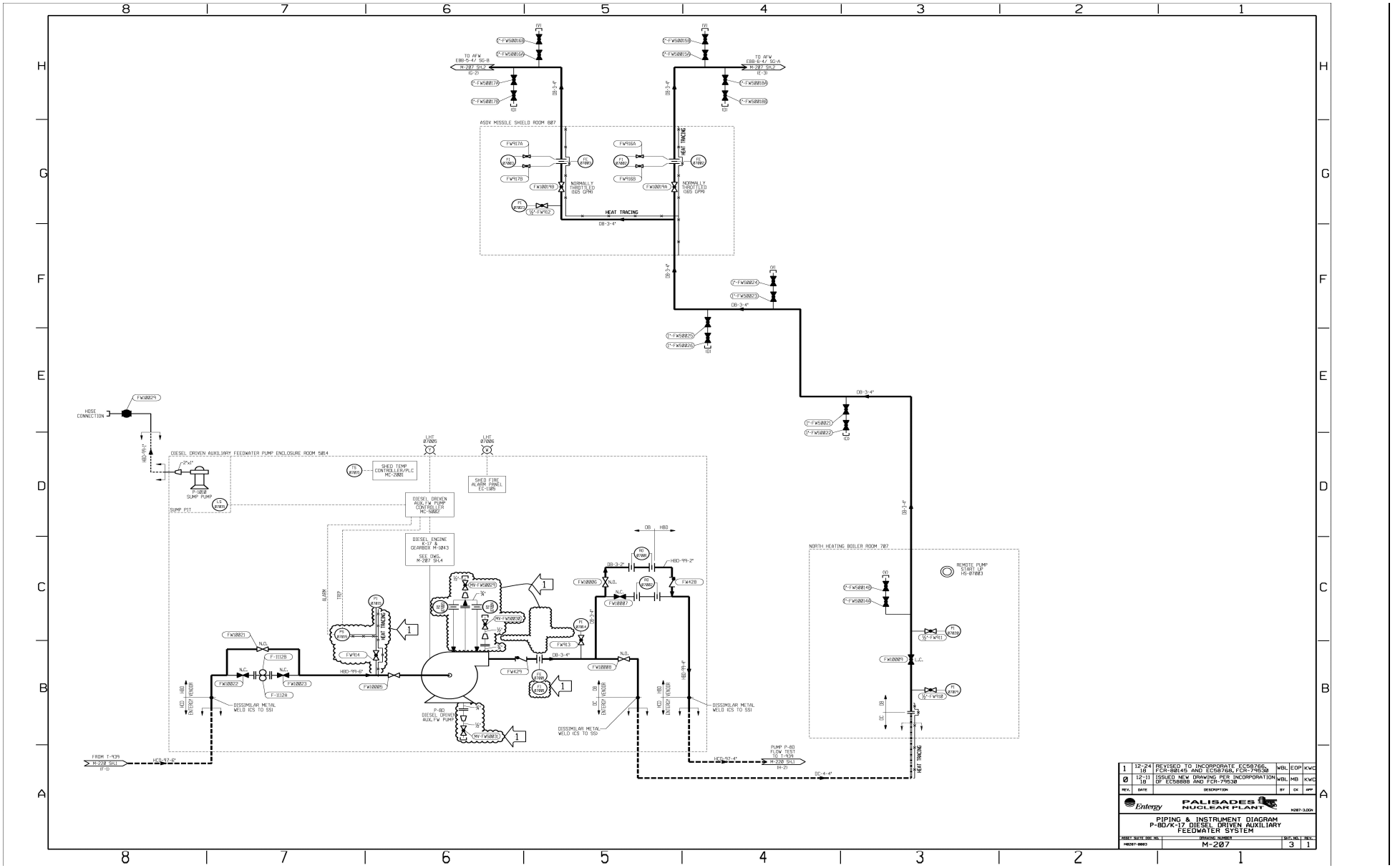


AREA / INSTR.	* FWP BOILER ROOM SYS.	* FWP COVERED REC & LOAD PLATFORM	*SERVICE BLDG-590 MECH.MAINT.	* SERVICE BLDG-687	* PAB&MP BLDG-590 STRM.& 687 OFF. AREA	SUPPORT BLDG.	SERVICE BUILDING EXPANSION
PRESSURE SWITCH	PS-8671A	PS-8671B	PS-8675	PS-8674	N/A	N/A	N/A
PRESSURE INDICATOR SUPPLY	PI-8672A	PI-8672B	PI-8675	PI-8674	PI-8676	PI-9262	PI-1691
PRESSURE INDICATOR-SYSTEM USE	PI-8673A	PI-8673B	PI-8675A	PI-8674A	PI-8676A	N/A	PI-1692
WATER FLOW SWITCH	N/A	N/A	N/A	N/A	WFS-2L	WFS-2M	WFS-4A
MAIN MANUAL SHUT-OFF VALVE	FP-956	FP-957	FP-279	FP-278	FP-285	FP-216	FP-311
INSP. TEST DRAIN VALVE	FP-534	FP-535	FP-536	FP-537	FP-522	FP-525	FP-565
C47 ALARM	EK-2817	EK-2818	EK-2812	EK-2812	N/A	EK-2816	EK-2812 EK-2821
SPRINKLER SYSTEM ALARM CHECK VALVE	CK-FP493	CK-FP494	CK-FP413	CK-FP412	CK-FP495	N/A	CK-FP410

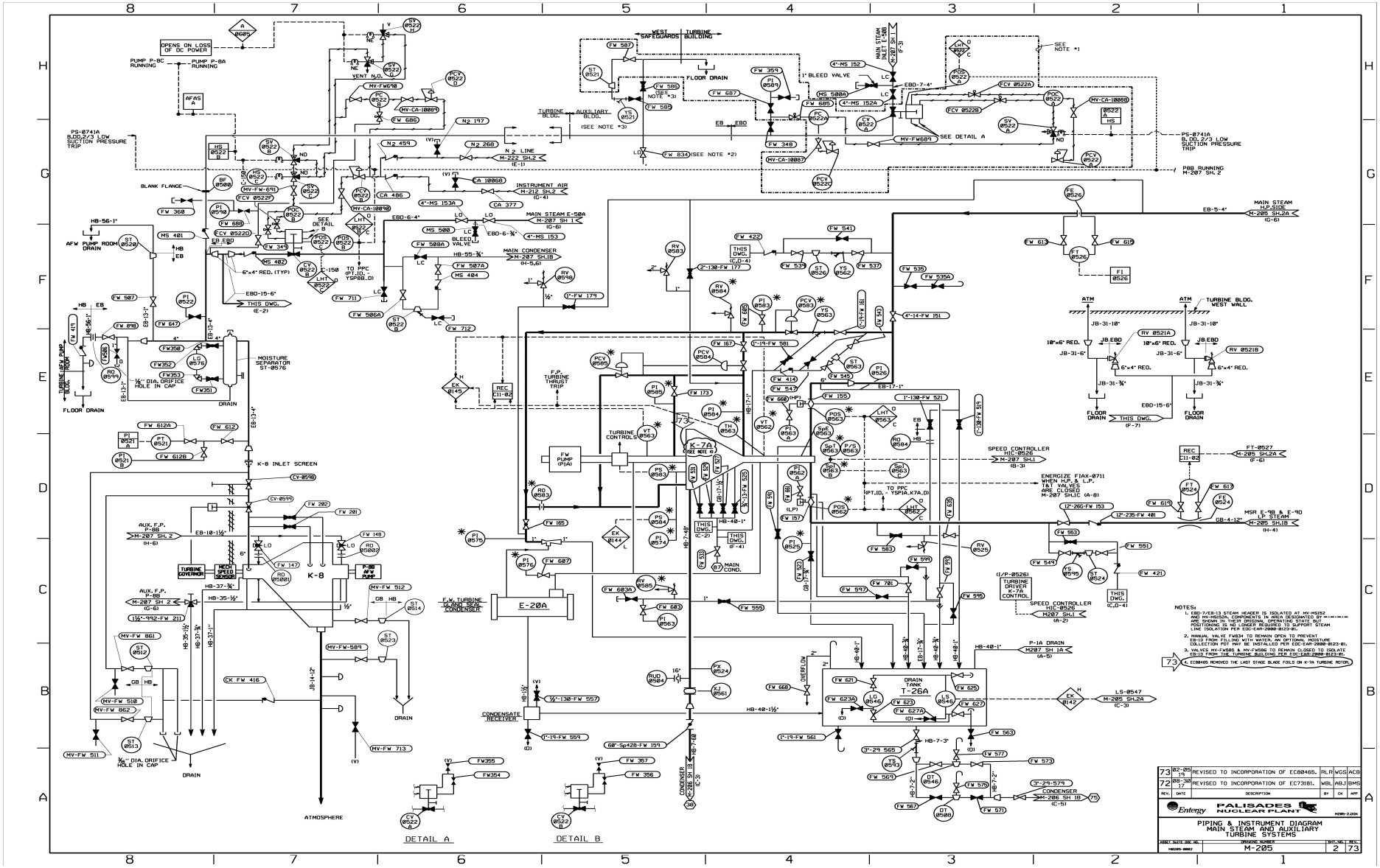
PIPING & INSTRUMENT DIAGRAM
AUXILIARY FEEDWATER SYSTEM



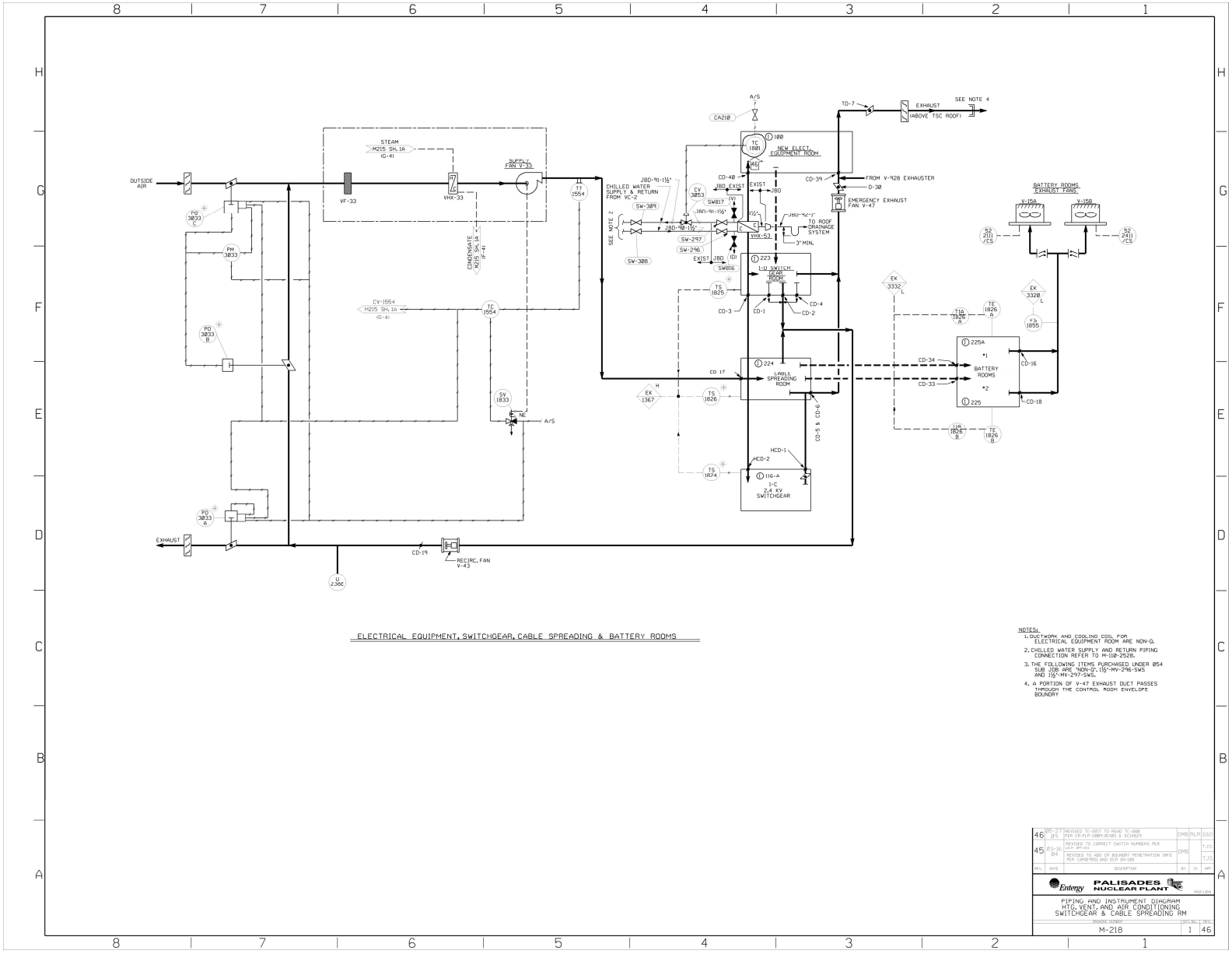
PIPING & INSTRUMENT DIAGRAM
AUXILIARY FEEDWATER SYSTEM



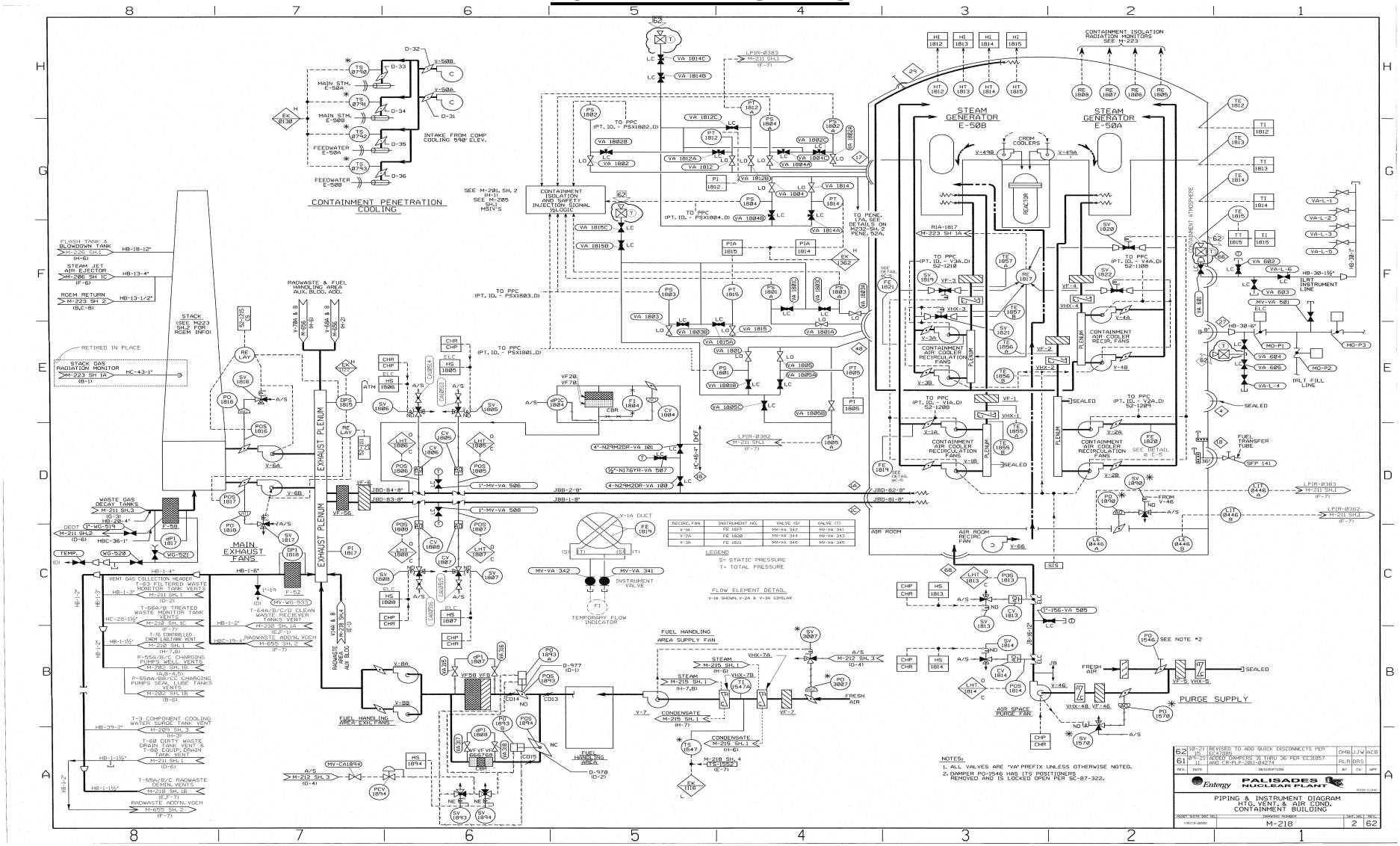
PIPING & INSTRUMENT DIAGRAM
AUXILIARY FEEDWATER STEAM SUPPLY



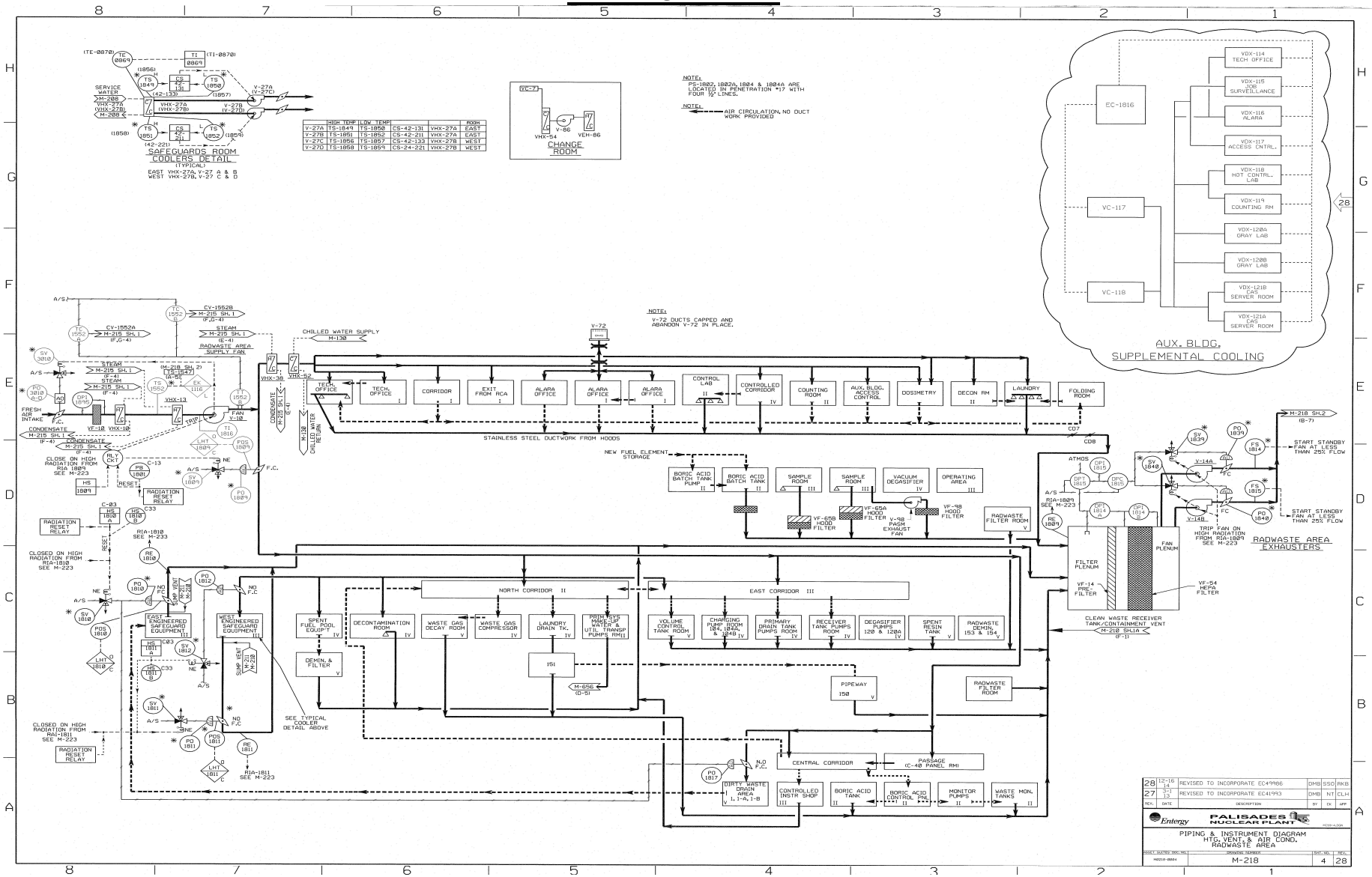
PIPING & INSTRUMENT DIAGRAM
HEATING, VENTILATION AND AIR CONDITIONING, SWITCHGEAR AND CABLE SPREADING ROOMS



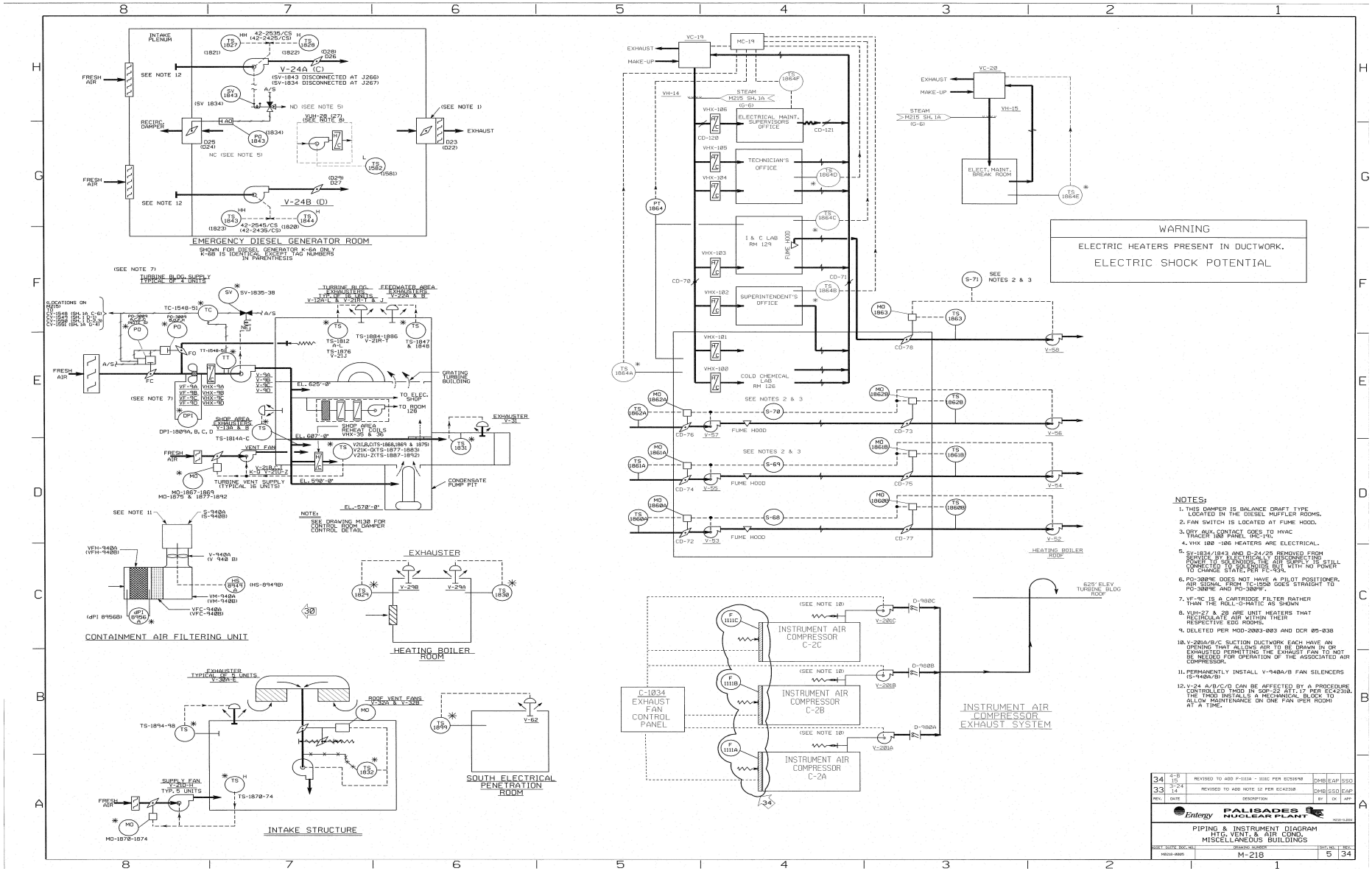
PIPING & INSTRUMENT DIAGRAM
HEATING, VENTILATION AND AIR CONDITIONING, CONTAINMENT BUILDING



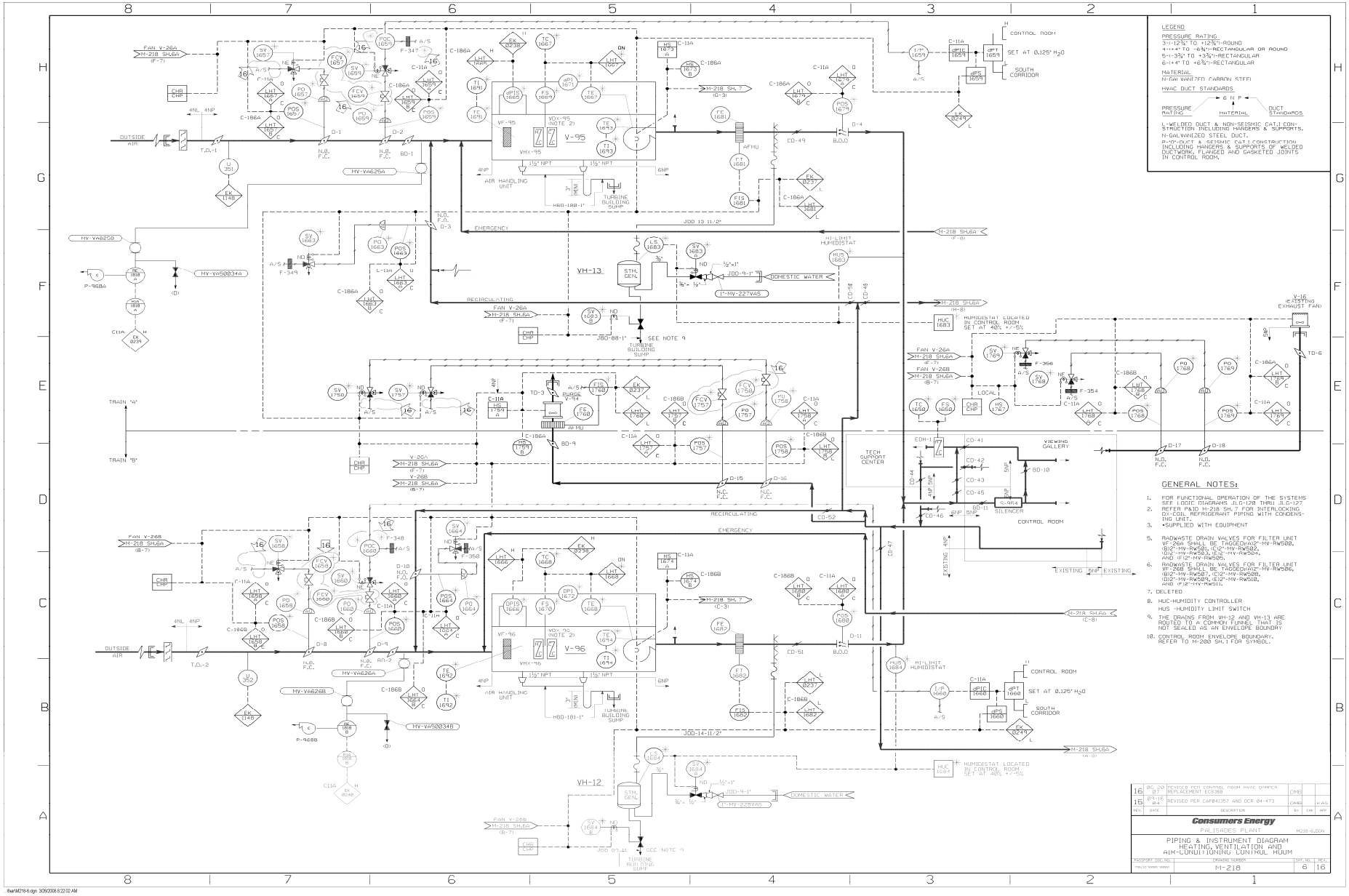
PIPING & INSTRUMENT DIAGRAM
HEATING, VENTILATION AND AIR CONDITIONING, RADWASTE AREA



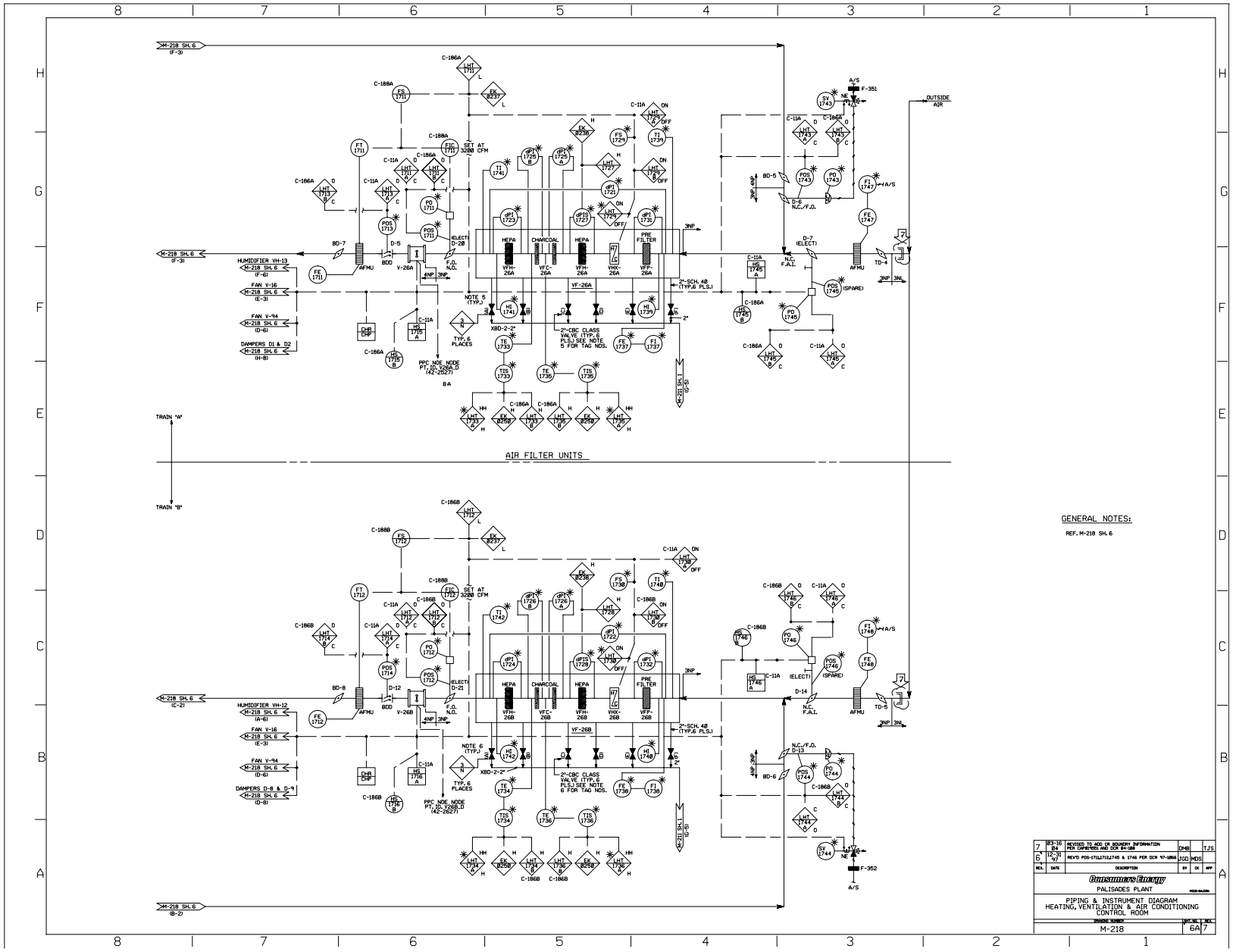
PIPING & INSTRUMENT DIAGRAM
HEATING, VENTILATION AND AIR CONDITIONING, MISCELLANEOUS BUILDINGS



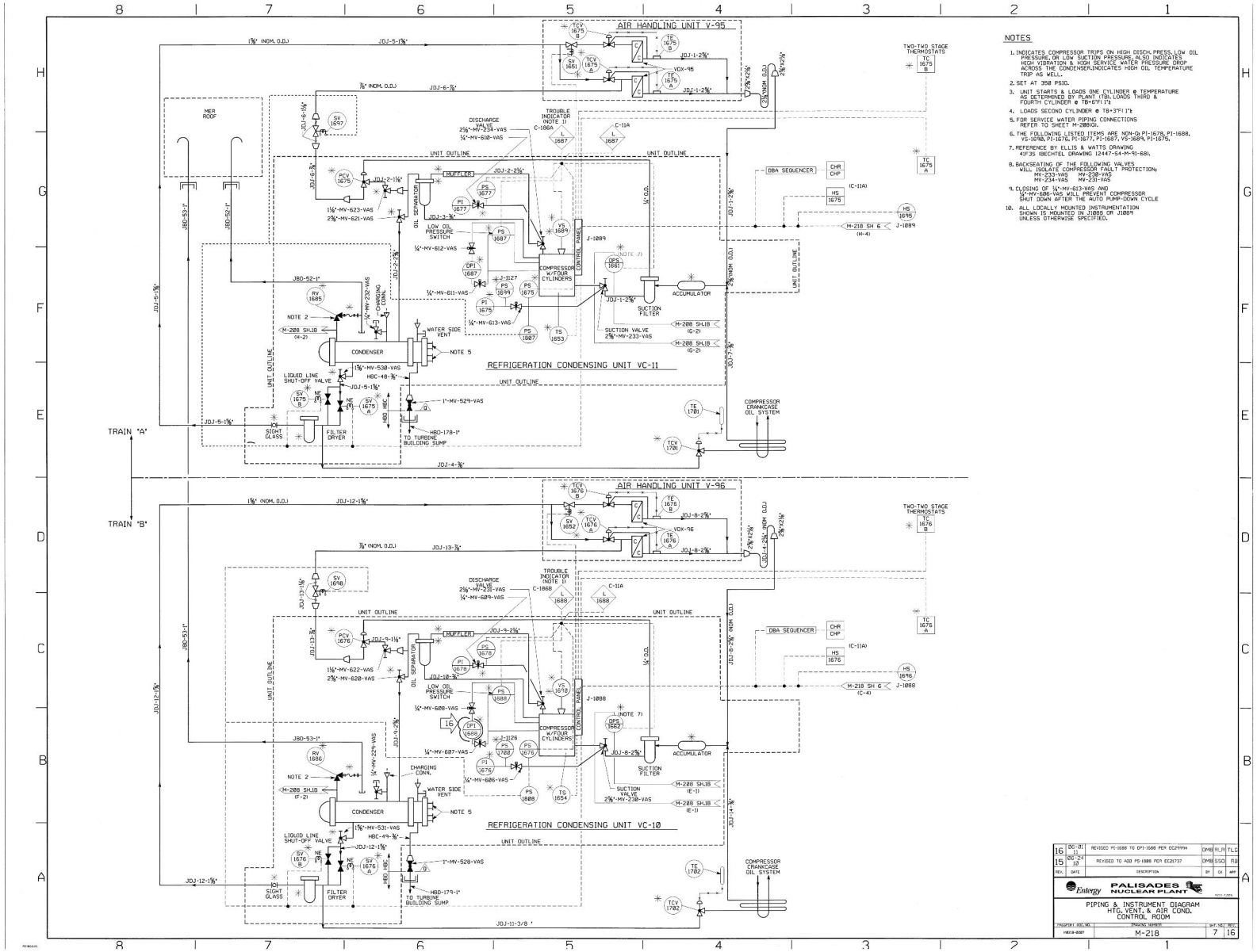
PIPING & INSTRUMENT DIAGRAM
HEATING, VENTILATION AND AIR CONDITIONING, CONTROL ROOM



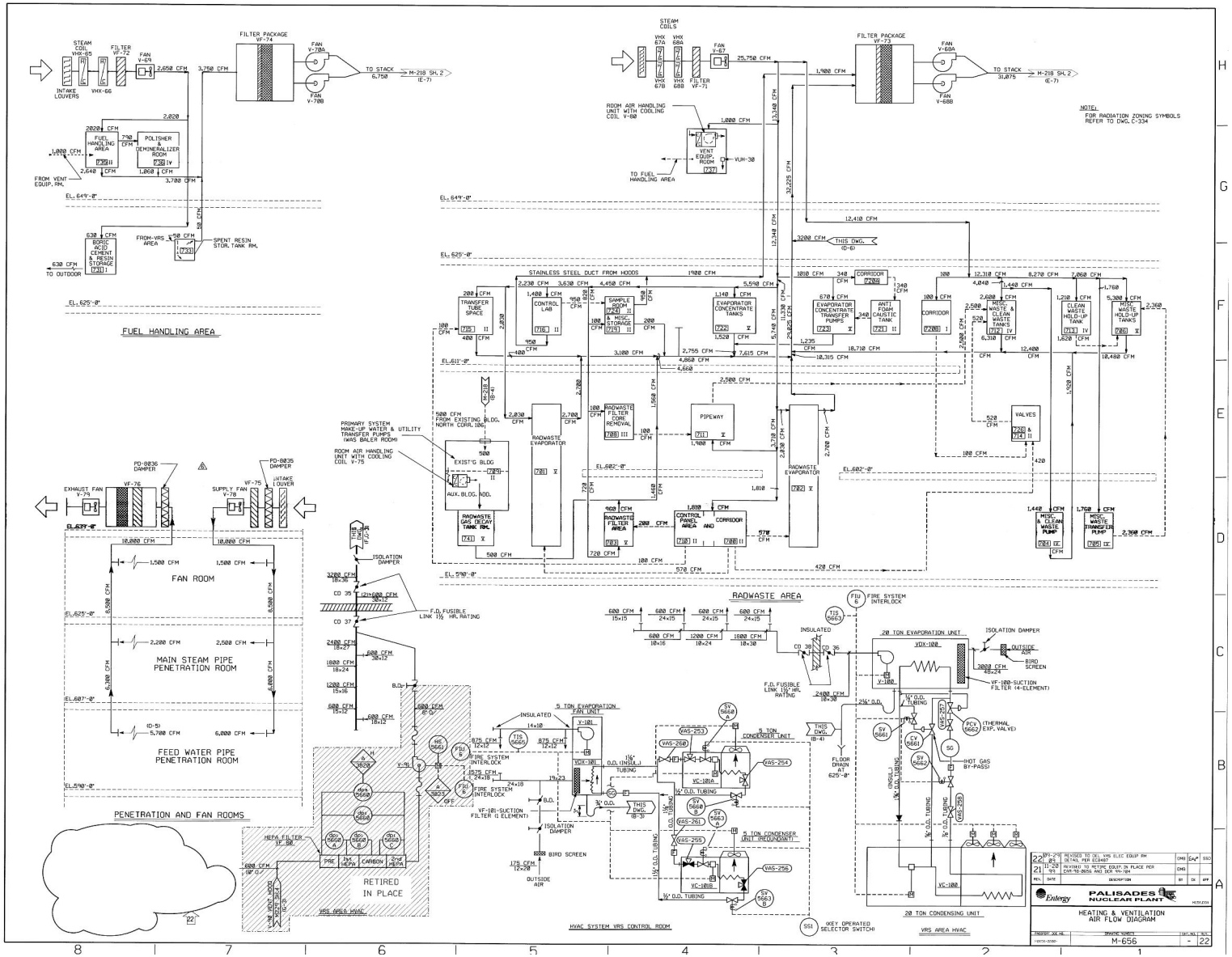
PIPING & INSTRUMENT DIAGRAM
HEATING, VENTILATION AND AIR CONDITIONING, CONTROL ROOM



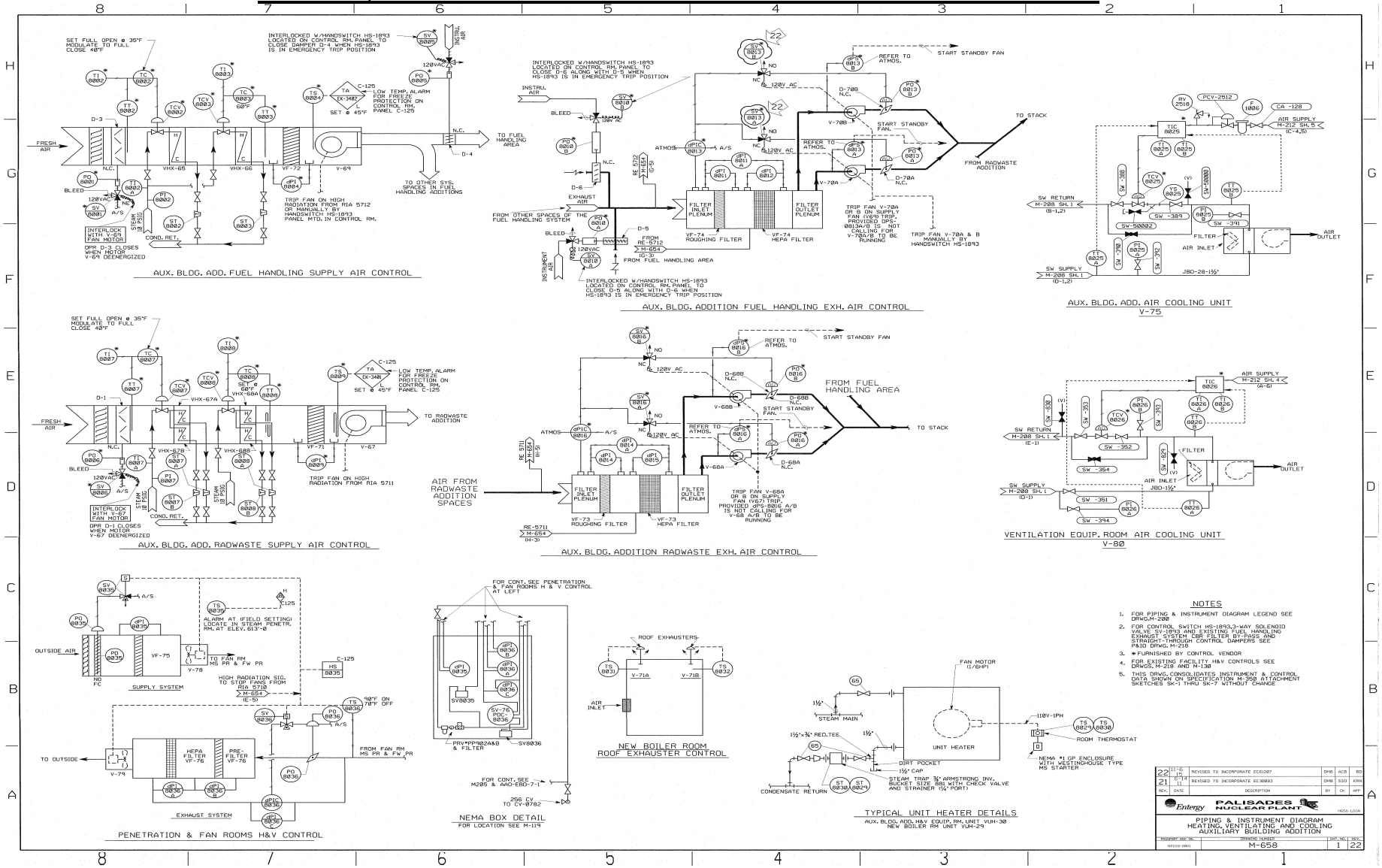
PIPING & INSTRUMENT DIAGRAM
HEATING, VENTILATION AND AIR CONDITIONING, CONTROL ROOM



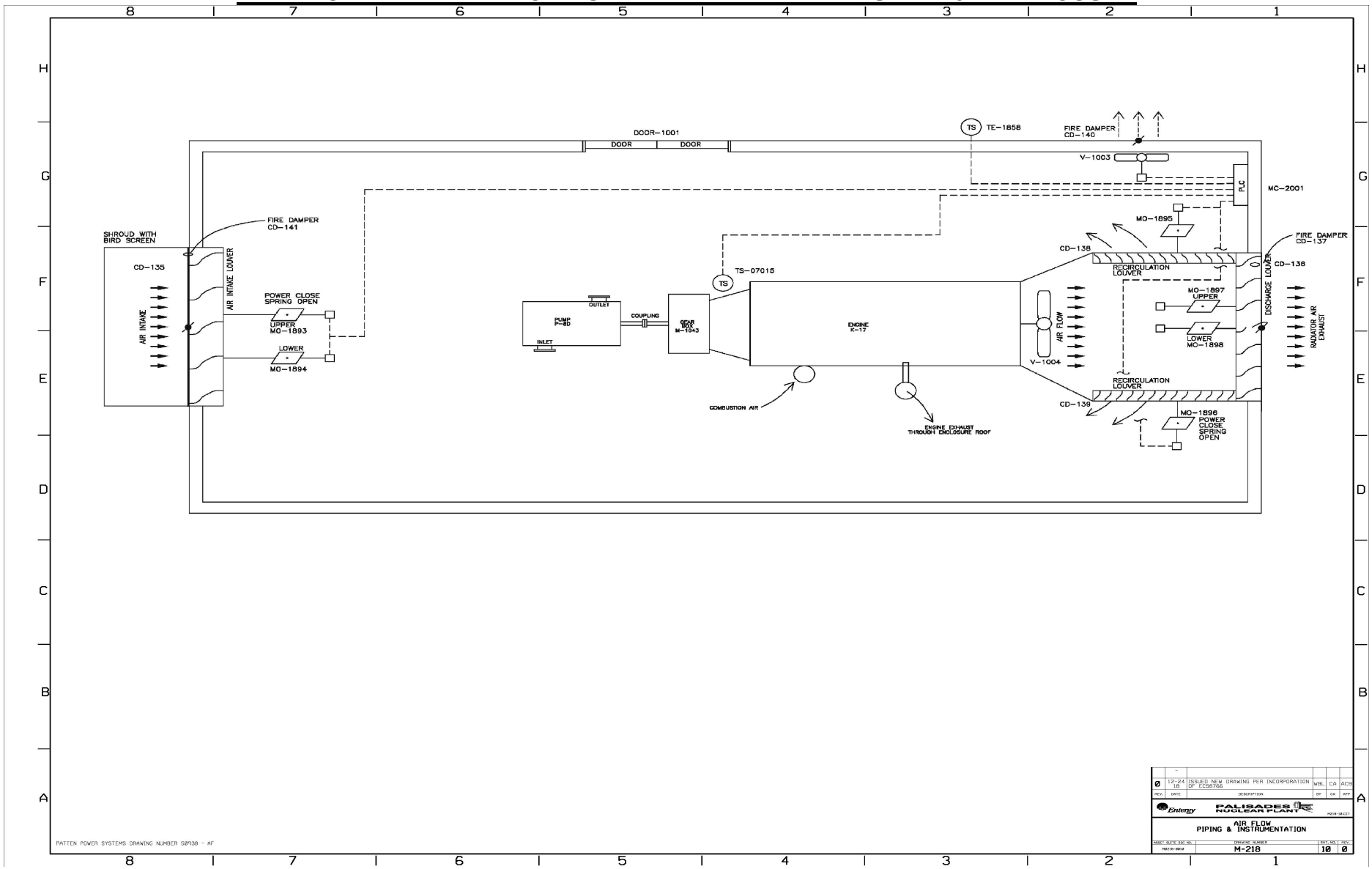
HEATING AND VENTILATION AIR FLOW DIAGRAM



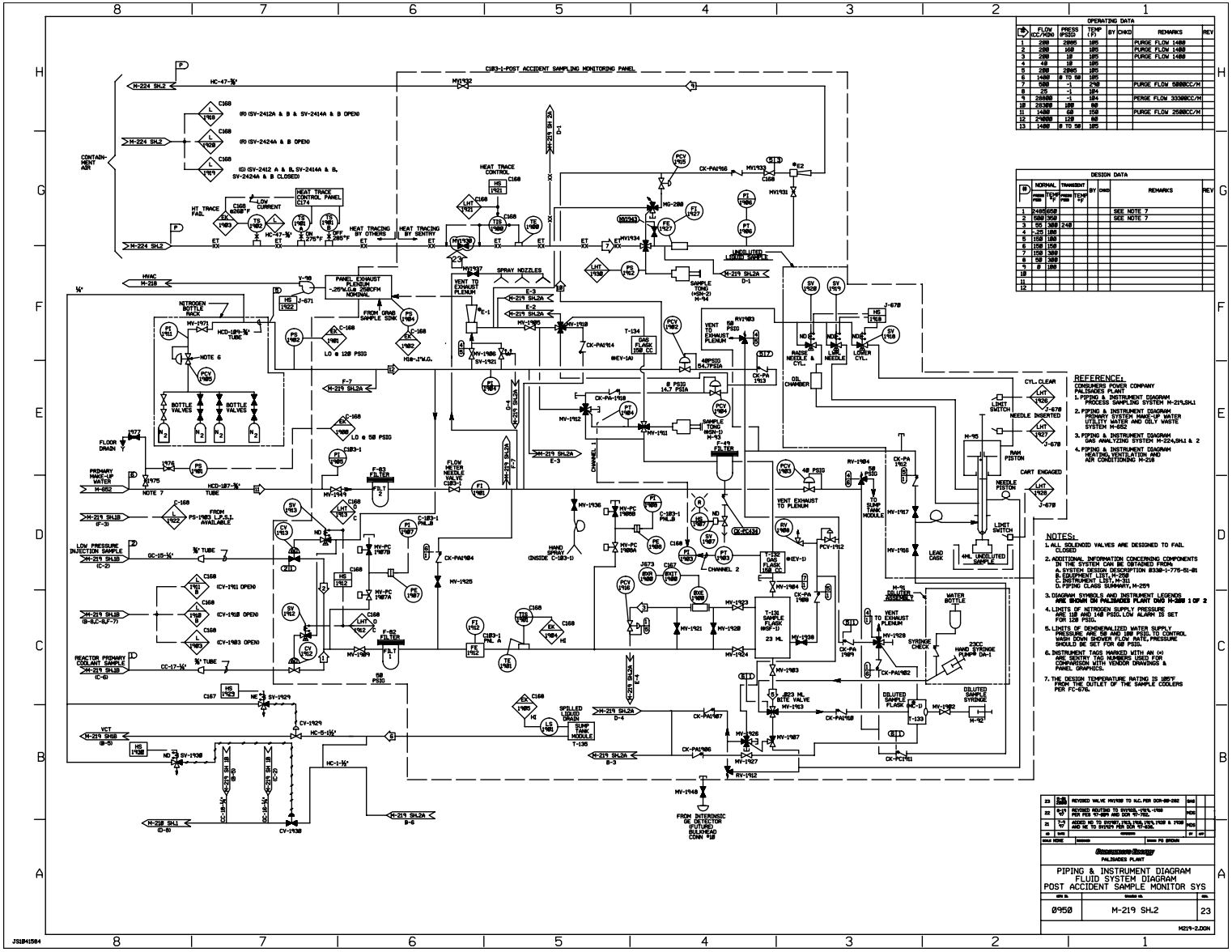
PIPING & INSTRUMENT DIAGRAM
HEATING, VENTILATION AND COOLING AUXILIARY BUILDING ADDITION



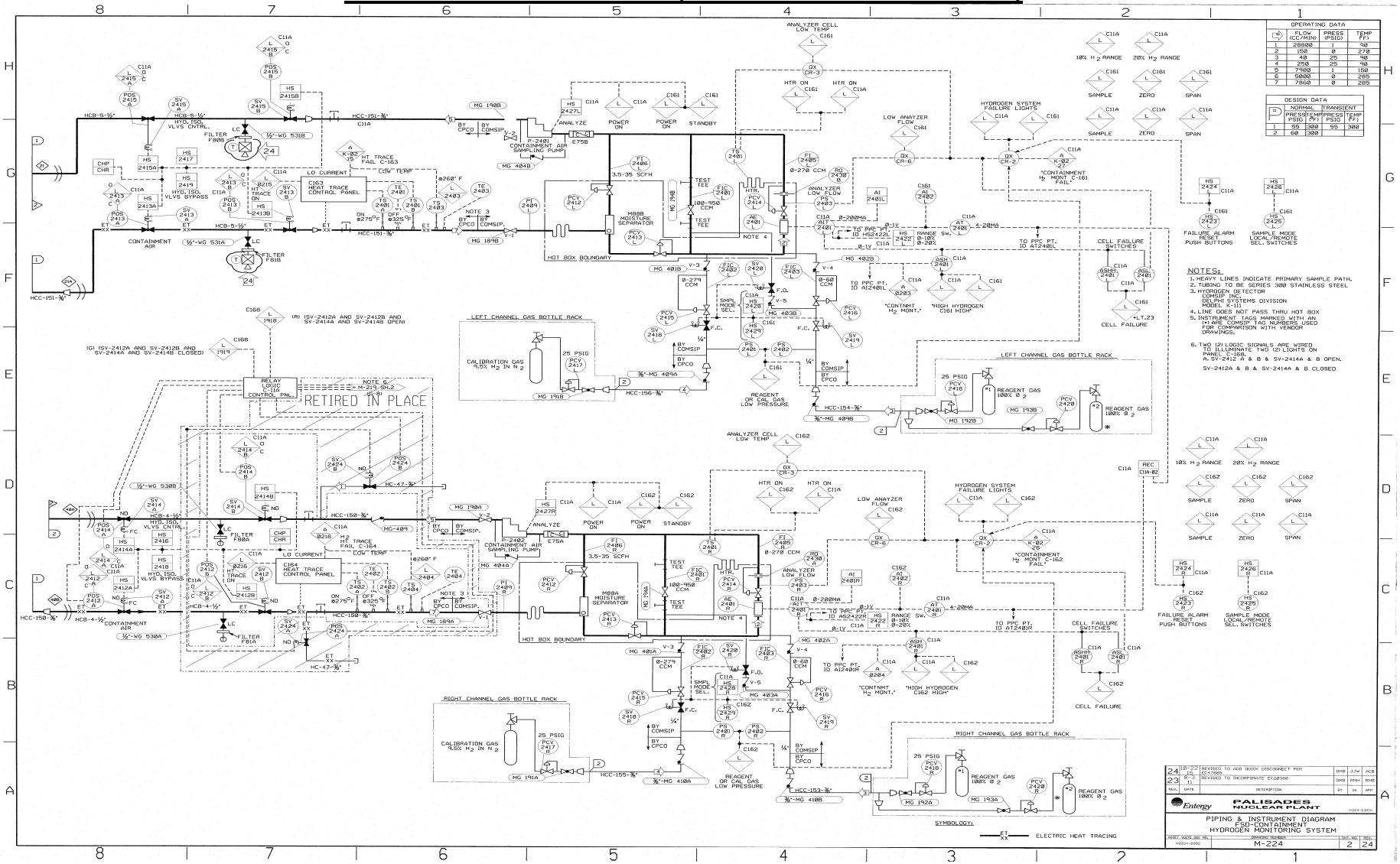
PIPING & INSTRUMENT DIAGRAM
HEATING AND VENTILATION AUXILIARY FEEDWATER PUMP P-8D ENCLOSURE



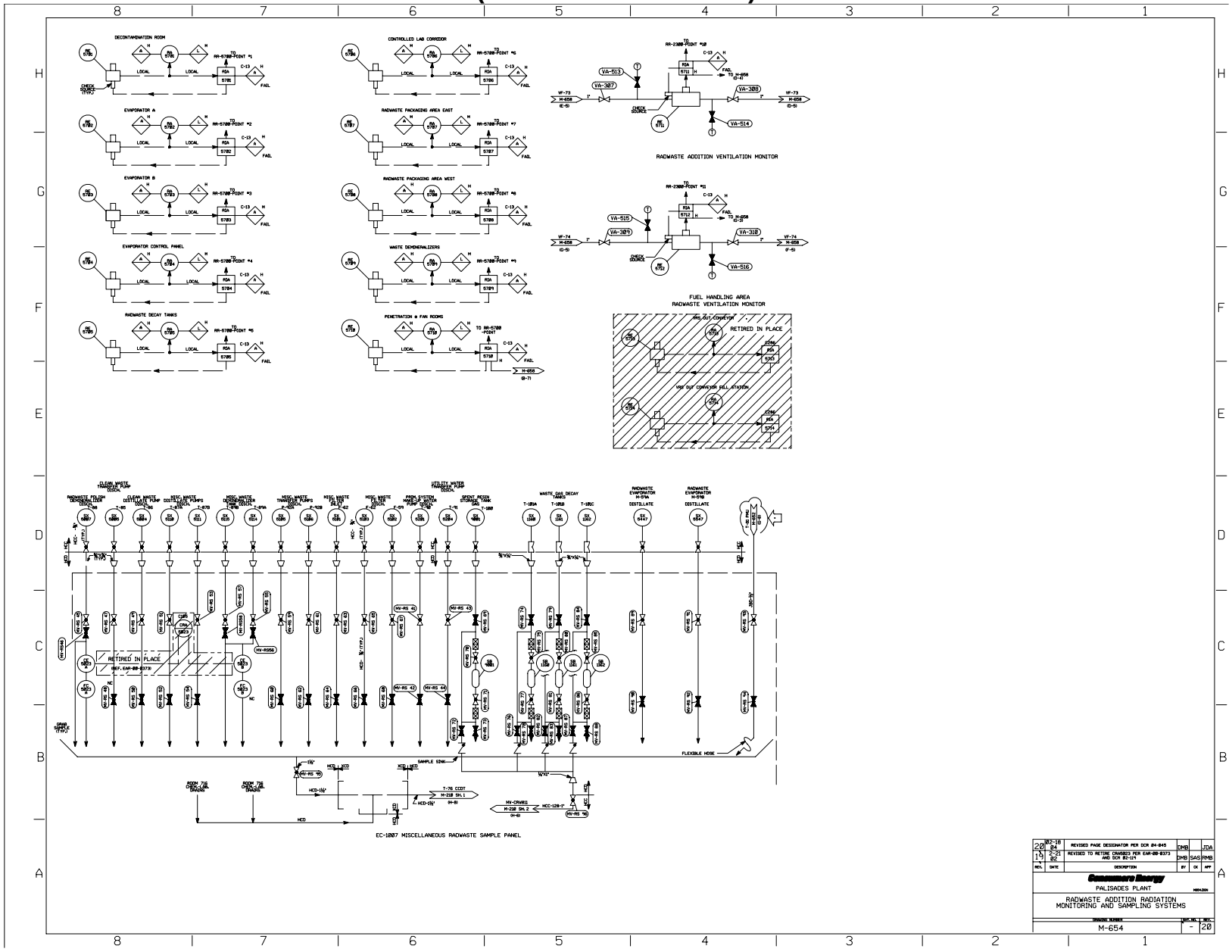
PIPING & INSTRUMENT DIAGRAM
FLUID SYSTEM DIAGRAM POST ACCIDENT SAMPLE MONITOR SYSTEM



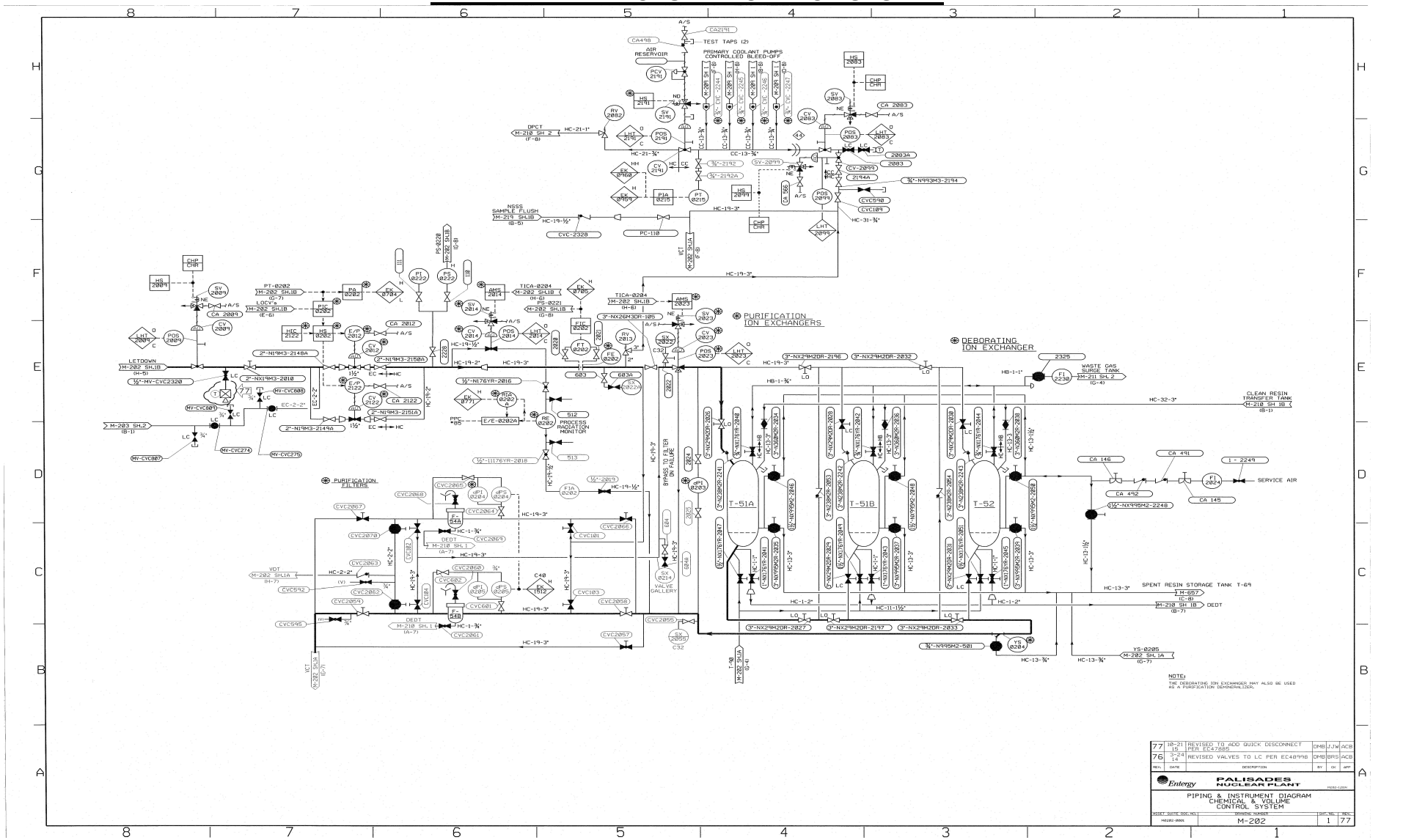
PIPING & INSTRUMENT DIAGRAM
GAS ANALYZING SYSTEMS (CONTAINMENT HYDROGEN)



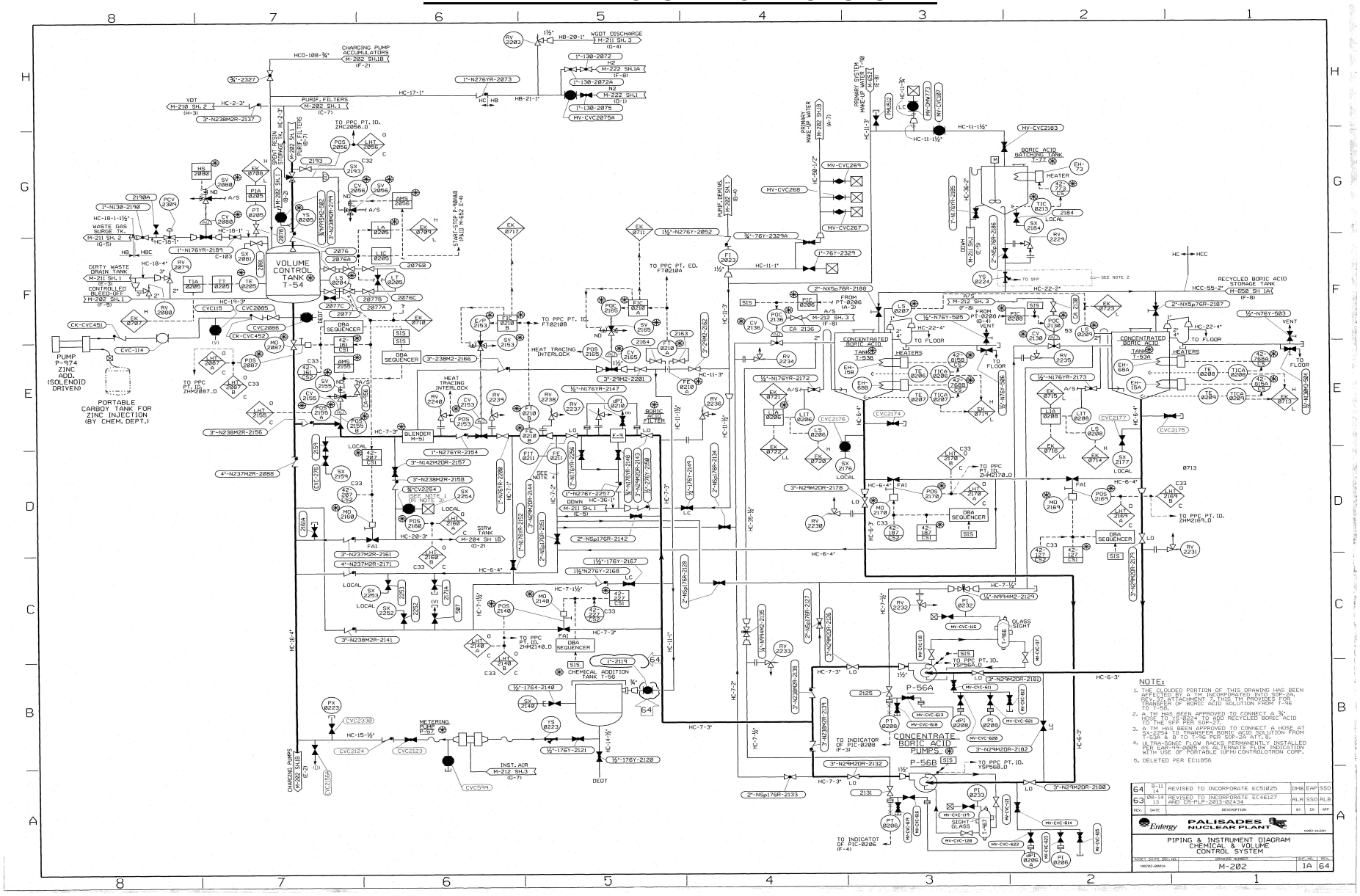
MONITORING AND SAMPLING SYSTEMS (RADWASTE ADDITION)



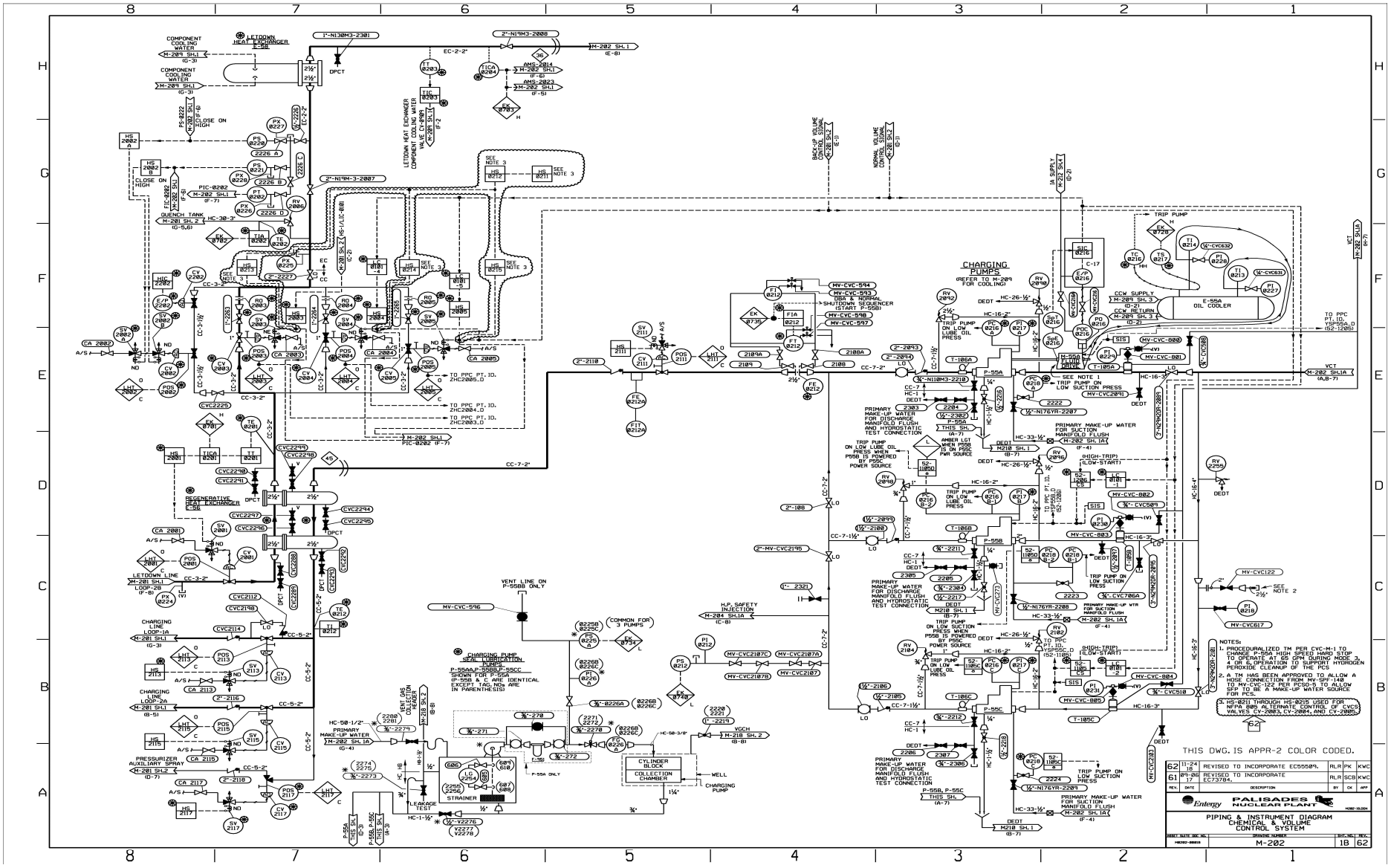
PIPING & INSTRUMENT DIAGRAM
CHEMICAL AND VOLUME CONTROL SYSTEM



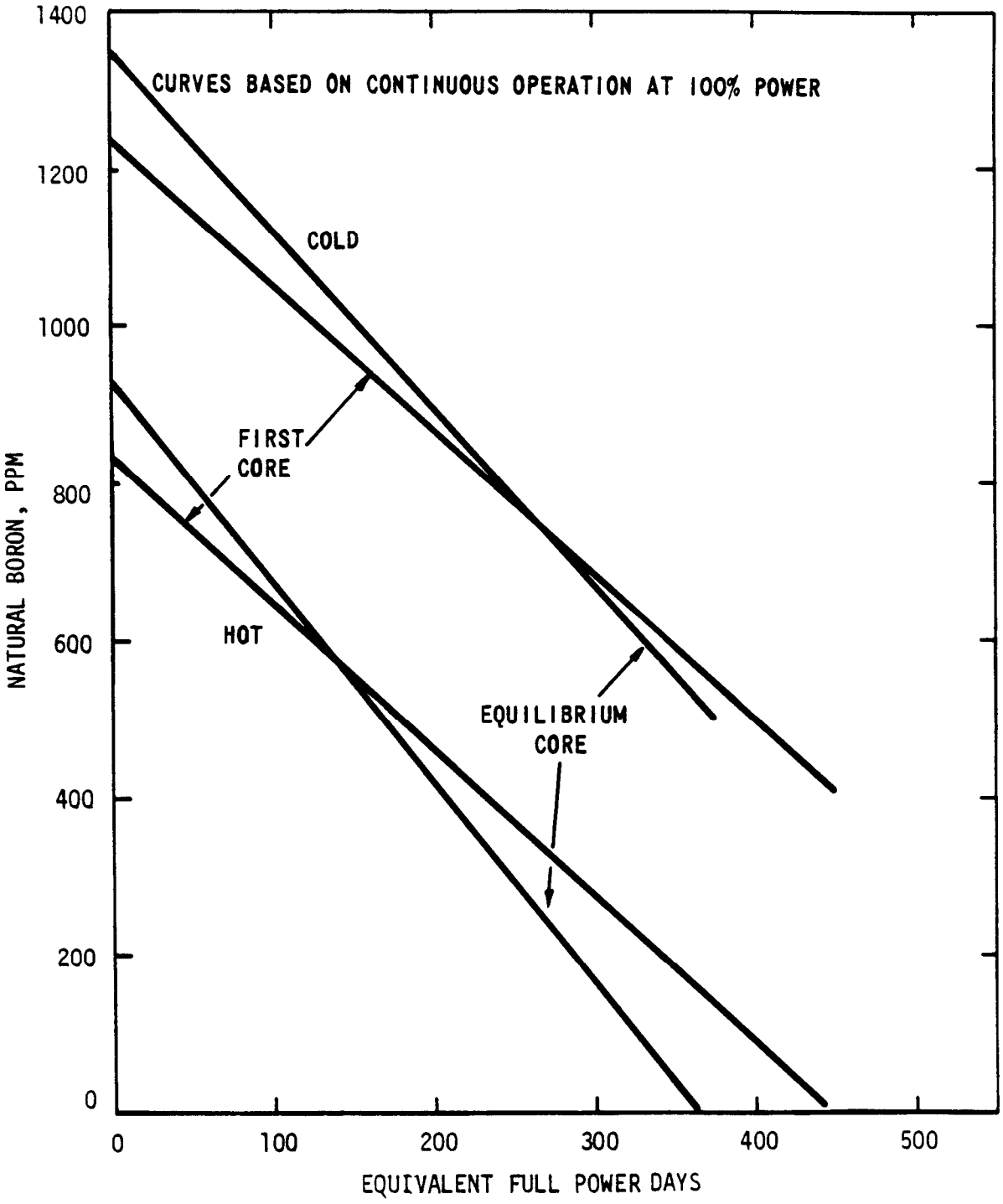
PIPING & INSTRUMENT DIAGRAM
CHEMICAL AND VOLUME CONTROL SYSTEM



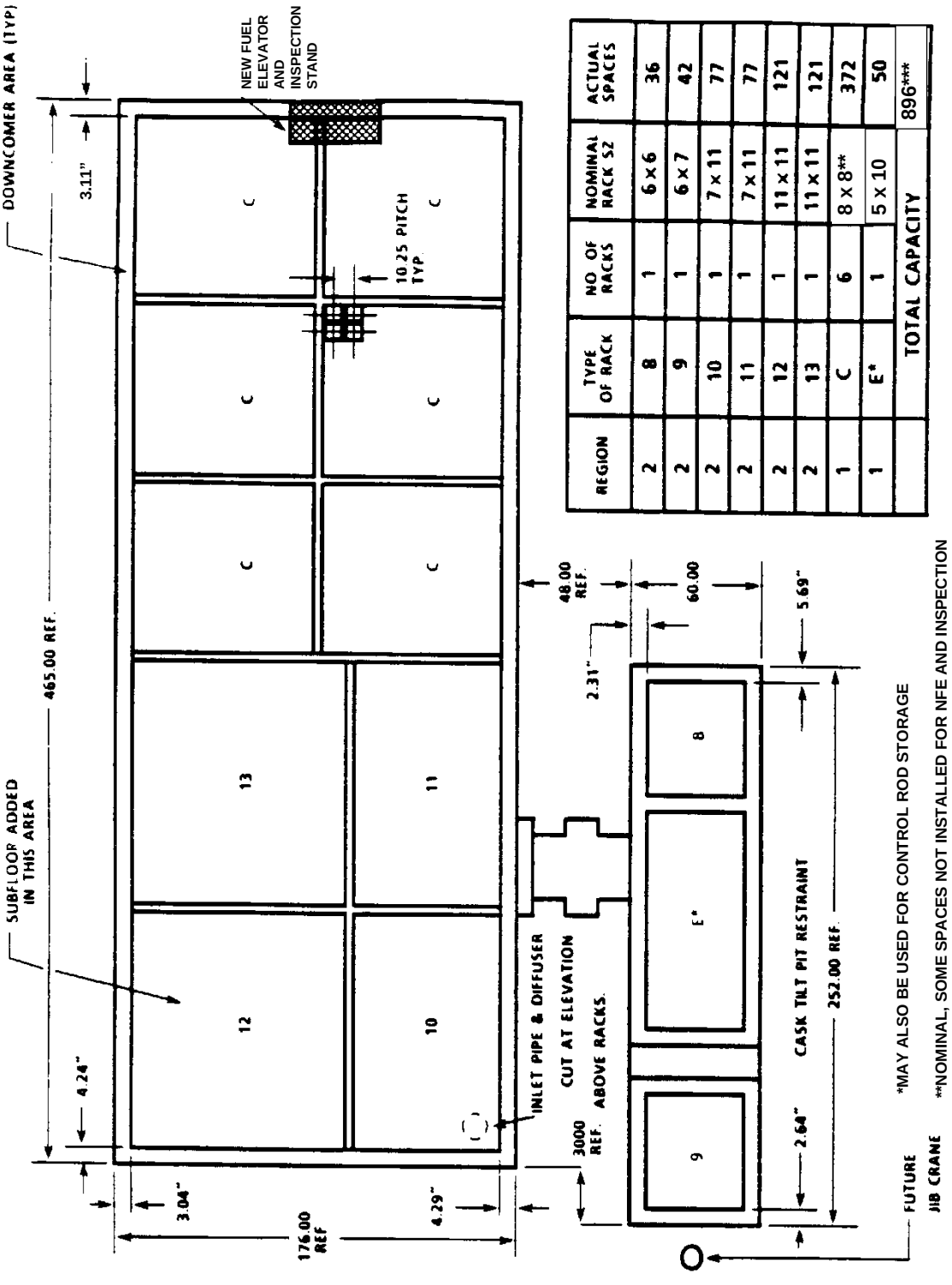
PIPING & INSTRUMENT DIAGRAM
CHEMICAL AND VOLUME CONTROL SYSTEM



BORON CONCENTRATION VS CORE LIFETIME



PALISADES PLANT SPENT FUEL STORAGE RACK ARRANGEMENT



REGION	TYPE OF RACK	NO OF RACKS	NOMINAL RACK S2	ACTUAL SPACES
2	8	1	6×6	36
2	9	1	6×7	42
2	10	1	7×11	77
2	11	1	7×11	77
2	12	1	11×11	121
2	13	1	11×11	121
1	C	6	8×8**	372
1	E*	1	5×10	50
	TOTAL CAPACITY			896***

*MAY ALSO BE USED FOR CONTROL ROD STORAGE

**NOMINAL, SOME SPACES NOT INSTALLED FOR NFE AND INSPECTION STAND

***PHYSICAL SPOTS. ONLY 892 LICENSED LOCATIONS DUE TO LACK OF ABILITY TO ACCESS