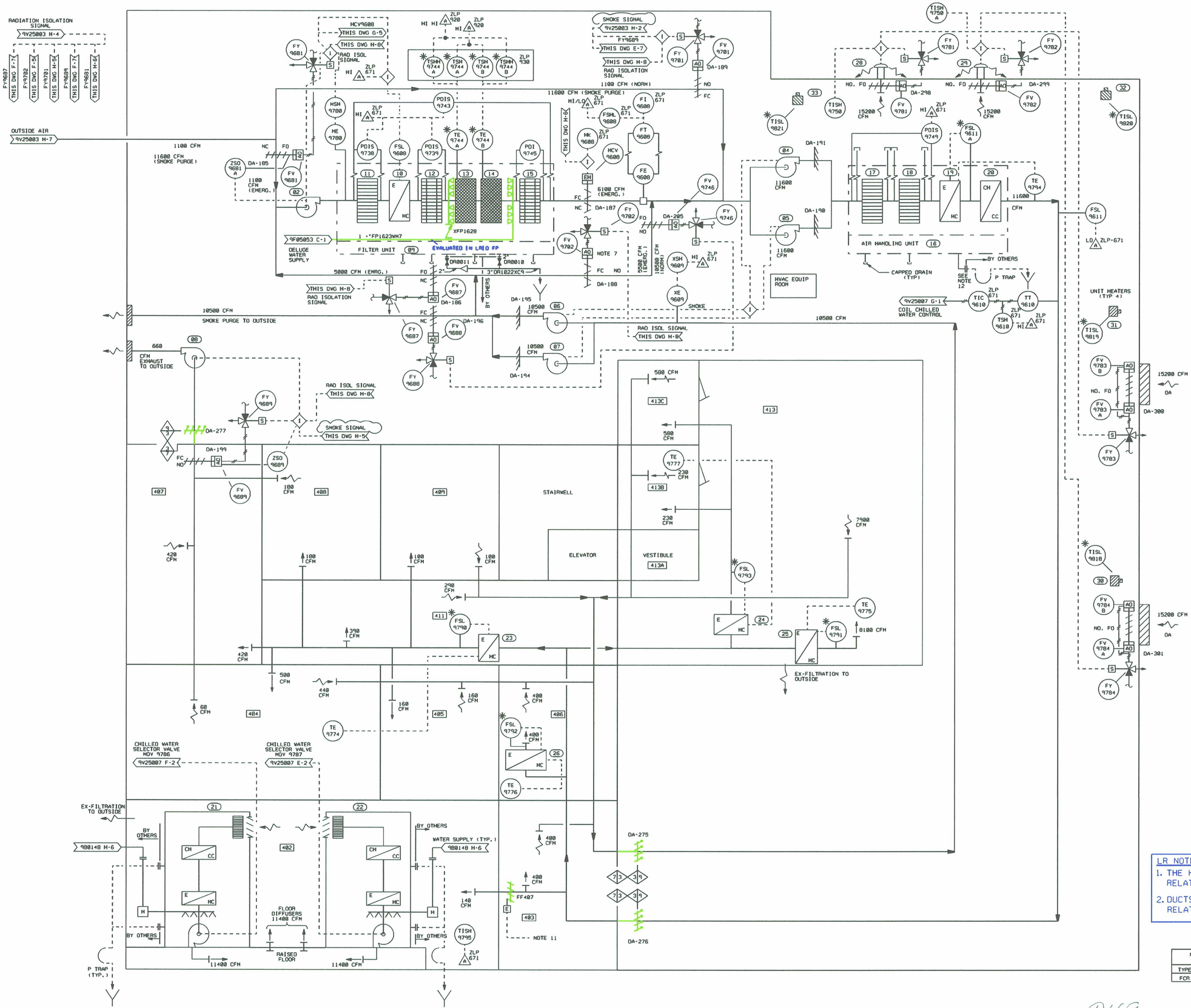

EQUIPMENT NUMBERING INDEX

KEY NO.	EQUIPMENT NUMBER	DESCRIPTION
02	9-V-11-1-V-FN-014	MAKE-UP AIR FAN
04	9-V-11-1-V-FN-015	SUPPLY FAN (11A)
05	9-V-11-1-V-FN-016	SUPPLY FAN (11B)
06	9-V-11-1-V-FN-017	RETURN FAN (11A)
07	9-V-11-1-V-FN-018	RETURN FAN (11B)
08	9-V-11-1-V-FN-019	EXHAUST FAN
09	9-V-11-1-V-XV-001	MAKE-UP AIR CARBON FILTER UNIT
10	9-V-11-1-V-HX-017	UNIT 09 HEATING COIL
11	9-V-11-1-V-FD-005	UNIT 09 PREFILTER
12	9-V-11-1-V-FD-006	UNIT 09 HEPA FILTER
13	9-V-11-1-V-FC-005	UNIT 09 CARBON FILTER
14	9-V-11-1-V-FC-006	UNIT 09 CARBON FILTER
15	9-V-11-1-V-FD-007	UNIT 09 HEPA FILTER
16	9-V-11-1-V-AH-003	AIR HANDLING UNIT
17	9-V-11-1-V-FD-003	UNIT 16 PREFILTER
18	9-V-11-1-V-FD-004	UNIT 16 HIGH EFF. FILTER
19	9-V-11-1-V-HX-018	UNIT 16 HEATING COIL
20	9-V-11-1-V-HX-019	UNIT 16 COOLING COIL
21	9-V-11-1-V-AH-004	COMP ROOM AIR HANDLING UNIT (11A)
22	9-V-11-1-V-AH-005	COMP ROOM AIR HANDLING UNIT (11B)
23	9-V-11-1-V-HX-813	REHEAT COIL
24	9-V-11-1-V-HX-814	REHEAT COIL
25	9-V-11-1-V-HX-815	REHEAT COIL
26	9-V-11-1-V-HX-816	REHEAT COIL
27		
28	9-V-11-1-V-FN-822	HVAC EQUIP RM VENT FAN
29	9-V-11-1-V-FN-823	HVAC EQUIP RM VENT FAN
30	9-V-35-1-V-HT-145	UNIT HEATER
31	9-V-35-1-V-HT-146	UNIT HEATER
32	9-V-35-1-V-HT-147	UNIT HEATER
33	9-V-35-1-V-HT-148	UNIT HEATER
34		
35		
36		
37		

ROOM NUMBER INDEX

ROOM NO.	ELEV.			ROOM DESCRIPTION
402	72'-0"			COMPUTER ROOM
403	72'-0"			STORAGE ROOM
404	72'-0"			BREAK ROOM
405	72'-0"			RECORD STORAGE ROOM
406	72'-0"			CONFERENCE ROOM
407	72'-0"			MENS TOILET
408	72'-0"			WOMENS TOILET
409	72'-0"			STORAGE TANKS
411	72'-0"			HALLWAY
413	72'-0"			OPERATIONS ROOM
413A	72'-0"			VESTIBULE
413B	72'-0"			NRC ROOM
413C	72'-0"			COMMUNICATION ROOM
-	86'-0"			TSC HVAC EQUIP ROOM

NOTES

1. ALL SYSTEMS SHOWN ARE NON SAFETY CLASS 9 AND NON SEISMIC CATEGORY, EXCEPT FOR TORNADO DAMPERS WHICH ARE SAFETY CLASS 3 AND SEISMIC CATEGORY 1. ALL NNS DUCTWORK & HVAC EQUIP SUPPORTS INSIDE TSC ARE DESIGNED TO MEET QUALITY CLASS 7 REQUIRMENTS.
2. DELETED.
3. ALL DAMPER NUMBERS SHOWN HAVE THE PREFIX 9-V-11-1-V-, EXCEPT FOR TORNADO DAMPERS WHICH HAVE THE PREFIX 3-V-11-1-V-.
4. ROOM NUMBERS ARE AS SHOWN ON ARCHITECTURAL DRAWINGS.
5. DELETED.
6. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR "HE".
7. RETURN DAMPER DA-188 REMAINS PARTLY OPEN IN FAIL MODE AS REQUIRED FOR AIR FLOW BALANCING.
8. DAMPERS DA-189, 196 & 199 ARE BUBBLE TIGHT DAMPERS
9. ALL INSTRUMENTS ON THIS P&ID HAVE SEPERATION GROUP 'N' UNLESS OTHERWISE NOTED AT FIVE 0' CLOCK POSITION .
10. ALL AIR FLOW CFM'S SHOWN ARE AT STANDARD CONDITIONS (SCFM).
11. HALON SIGNAL FROM FIRE PROTECTION PANEL ZLP-920 CLOSES DAMPER ON HALON INJECTION.
12. START UP TO PROVIDE CONDENSATE 2" DRAIN LINE FOR AIR HANDLING UNIT (KEY NO. 16) WITH A P-TRAP AT LEAST 6 INCH DEEP AND ROUTED TO NEAREST FLOOR DRAIN.
13. ABANDON TAG NO'S PDI 9747 & 9748 IN PLACE BY CLOSING INSTRUMENT ISOLATION VALVES.
14. FOR TSC HVAC SYSTEM ACTUAL AIR FLOW QUANTITIES SEE THE AS-BUILT CONDITION SHOWN ON THE FINAL AIR BALANCING REPORT C035(01)-00014-3M.

REFERENCE DRAWINGS

0-F-0001	P&ID SYMBOLS
0-F-0002	P&ID SYMBOLS
9N132A1035	ARCHITECTURAL DWGS

LR NOTES:

1. THE HALON & TORNADO DAMPERS ARE SAFETY RELATED BARRIERS
2. DUCTS DO NOT AFFECT ATTACHED SAFETY RELATED COMPONENTS

NOT TO BE INCORPORATED AMENDMENT LIST

TYPE	NUMBER	LOCATION/DWG COORD.
FCR	GH02000	NA

THIS DRAWING MUST BE WORKED WITH THE FOLLOWING DOCUMENTS:

D169

LR BOUNDARY DWG NO.	REV.
LR-STP-HE-8V119V25006*1	0B

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	OV	SE
15		INCORP. DCN 9800887.	VJM				
14	1-21-98	INCORP. DCN 9704191.	SIGNATURES ON FILE				
0-13	12-16-82	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

ESEED-DON

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PIPING & INSTRUMENTATION DIAGRAM - HVAC
TECHNICAL SUPPORT CENTER
HVAC SYSTEM & AIR DISTRIBUTION

PRIORITY	RMSECM NO.	DOC.CTL.NO.	CADD FILE NO.	SCALE	DWG. NO.	REV.
1	8V119V25006*1	D070928	FJA227.151	NONE	8V119V25006*1	15