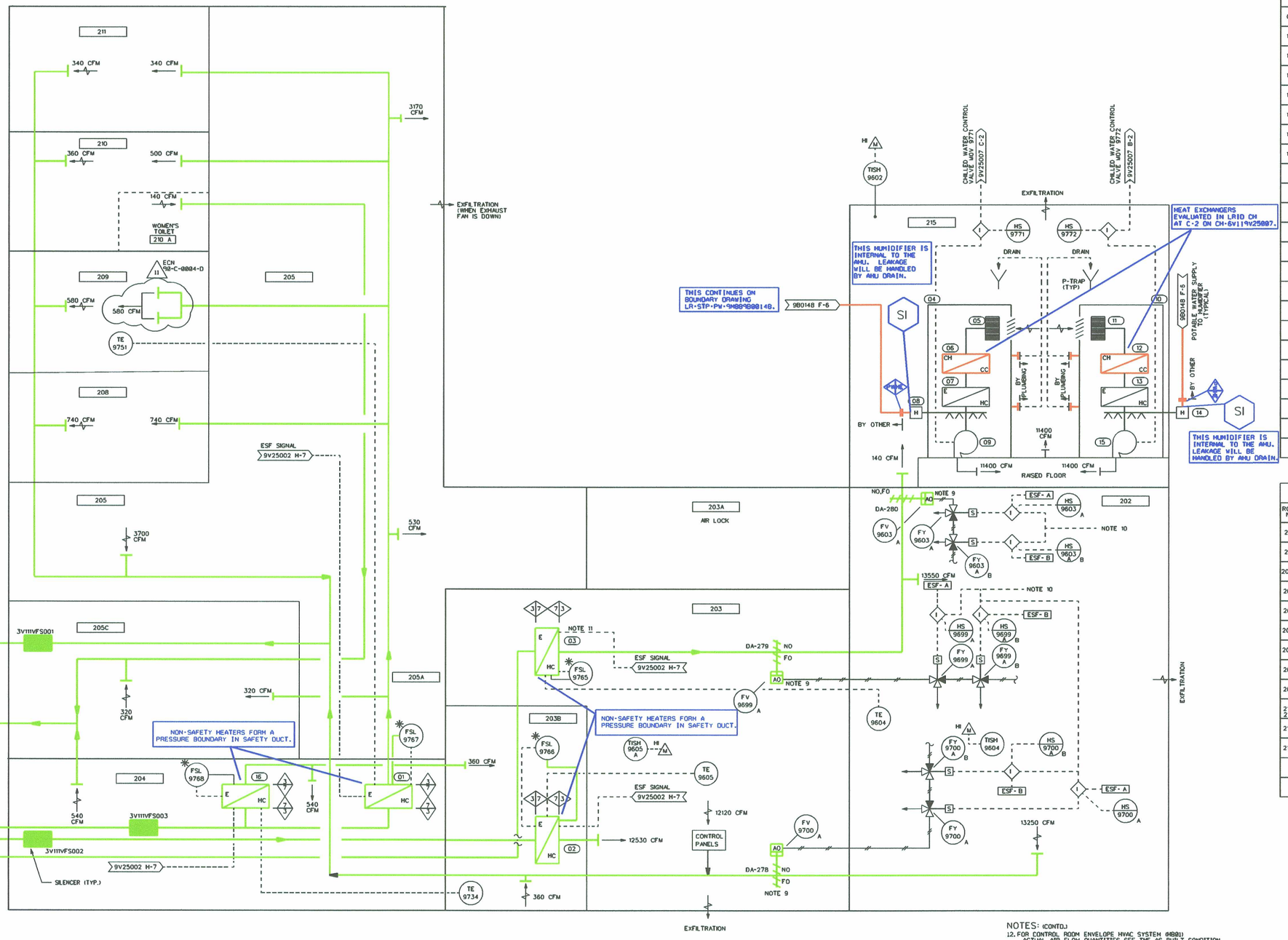

EQUIPMENT NUMBERING INDEX

KEY NO	EQUIPMENT NUMBER	DESCRIPTION
01	9-V-11-1-V-HX- 001	REHEAT COIL
02	002	REHEAT COIL
03	003	REHEAT COIL
04	9-V-11-1-V-AH- 001	COMPUTER RM AHU (11A)
05	9-V-11-1-V-FD- 001	UNIT (04) HIGH EFF. FILTER
06	-HX- 008	UNIT (04) COOLING COIL
07	-HX- 022	UNIT (04) HEATING COIL
08	-H - 001	UNIT (04) HUMIDIFIER
09	-FN- 001	UNIT (04) SUPPLY FAN (11A)
10	-AH- 002	COMPUTER RM AHU (STANDBY) (11B)
11	-FD- 002	UNIT (10) HIGH EFF FILTER
12	-HX- 023	UNIT (10) COOLING COIL
13	-HX- 011	UNIT (10) HEATING COIL
14	-H 002	UNIT (10) HUMIDIFIER
15	-FN- 002	UNIT (10) SUPPLY FAN (11B)
16	-HX- 004	REHEAT COIL

ROOM NUMBER INDEX

ROOM NO	ELEV.			ROOM DESCRIPTION
202	35'0"			RELAY ROOM
203				CONTROL ROOM
203B				RESULTS ENGR. OFFICE
204				MEN'S TOILET
205				HALLWAY/LOBBY
205A				HALLWAY
205C				KITCHEN
208				SHIFT ENGR. OFFICE
209				SHIFT ENGR. OFFICE
210 210A				WOMEN'S BUNK AND TOILET
211				MEN'S BUNK
215				COMPUTER ROOM

NOTES:

1. ALL SYSTEMS SHOWN ARE SAFETY CLASS 3 EXCEPT THE REHEAT COILS AND COMPUTER ROOM HVAC SYSTEM WHICH ARE NNS. ALL NNS DUCTWORK & HVAC EQUIPMENT ARE TO BE SUPPORTED WITH SUPPORTS DESIGNED TO MEET QUALITY CLASS 7 REQUIREMENTS.
2. ALL AIR FLOW CFM SHOWN AT STANDARD CONDITIONS (SCFM).
3. ALL EQUIPMENT DRAINS SHOWN ARE 2" SIZE.
4. ALL DAMPER NO'S. SHOWN HAVE THE PREFIX 3V111V.
5. ROOM NO'S. ARE AS SHOWN ON ARCHITECTURAL DWGS.
6. FOR UNIT NO.2 ALL EQUIPMENT NO. PREFIXES WILL BE: XXXX2XXXX.
7. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR "HE".
8. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP "N" UNLESS OTHERWISE NOTED AT 5 O'CLOCK POSITION.
9. THESE DAMPERS ARE INTERLOCKED WITH FIRE DETECTION SYSTEM TO CLOSE ON HALON INJECTION.
10. HALON SIGNAL FROM FIRE PROTECTION PANEL ZLP-917 CLOSES DAMPER ON HALON INJECTION.
11. THIS HEATER (9V111VHX) IS INSTALLED ON UNIT 1 ONLY BUT IS PERMANENTLY DISCONNECTED BY TERMINATING THE POWER & CONTROL CABLES. HEATER DISCONNECTED TO MINIMIZE CONTROL ROOM TEMPERATURE INCREASE SHOULD ALL HEATERS FAIL TO ENERGIZED POSITION. HEATER MAY BE REMOVED IN THE FUTURE & USED AS A SPARE. UNIT 2 HEATER IS NOT TO BE INSTALLED AND TO USED AS SPARE.

NOTES: (CONTD.)

12. FOR CONTROL ROOM ENVELOPE HVAC SYSTEM (HB01) ACTUAL AIR FLOW QUANTITIES, SEE THE AS BUILT CONDITION SHOWN ON THE FINAL AIR BALANCING REPORT C035-01-00023-3M FOR UNIT 1.

REFERENCES:

0-F-00001	P&ID STANDARD ABBREVIATIONS & SYMBOLS
0-F-00002	P&ID STANDARD ABBREVIATIONS & SYMBOLS
9-V-25000	EAB MAIN AREA P&ID
9-V-25007	TSC CHW SYSTEM P&ID

D167

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
11		INCORP. ECN 98-C-0004-D	KS				
10	1-21-91	M&P ASSUMES DESIGN CHANGE CONTROL & INCORP. MFCR BH-82220	SIGNATURES ON FILE				
0-9	12-16-82	ISSUED FOR CONSTRUCTION	SIGNATURES ON FILE				

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PIPING & INSTRUMENTATION DIAGRAM HVAC CONTROL ROOM ENVELOPE AIR DISTRIBUTION

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA226.111			NONE	5V119V25005 *1		11

LR BOUNDARY DWG NO. LR-STP-HE-5V119V25005*1 REV. 0B

FJA226 04/28/88 TH SYS 2

8 7 6 5 4 3 2 KVS 1 FJA226.111