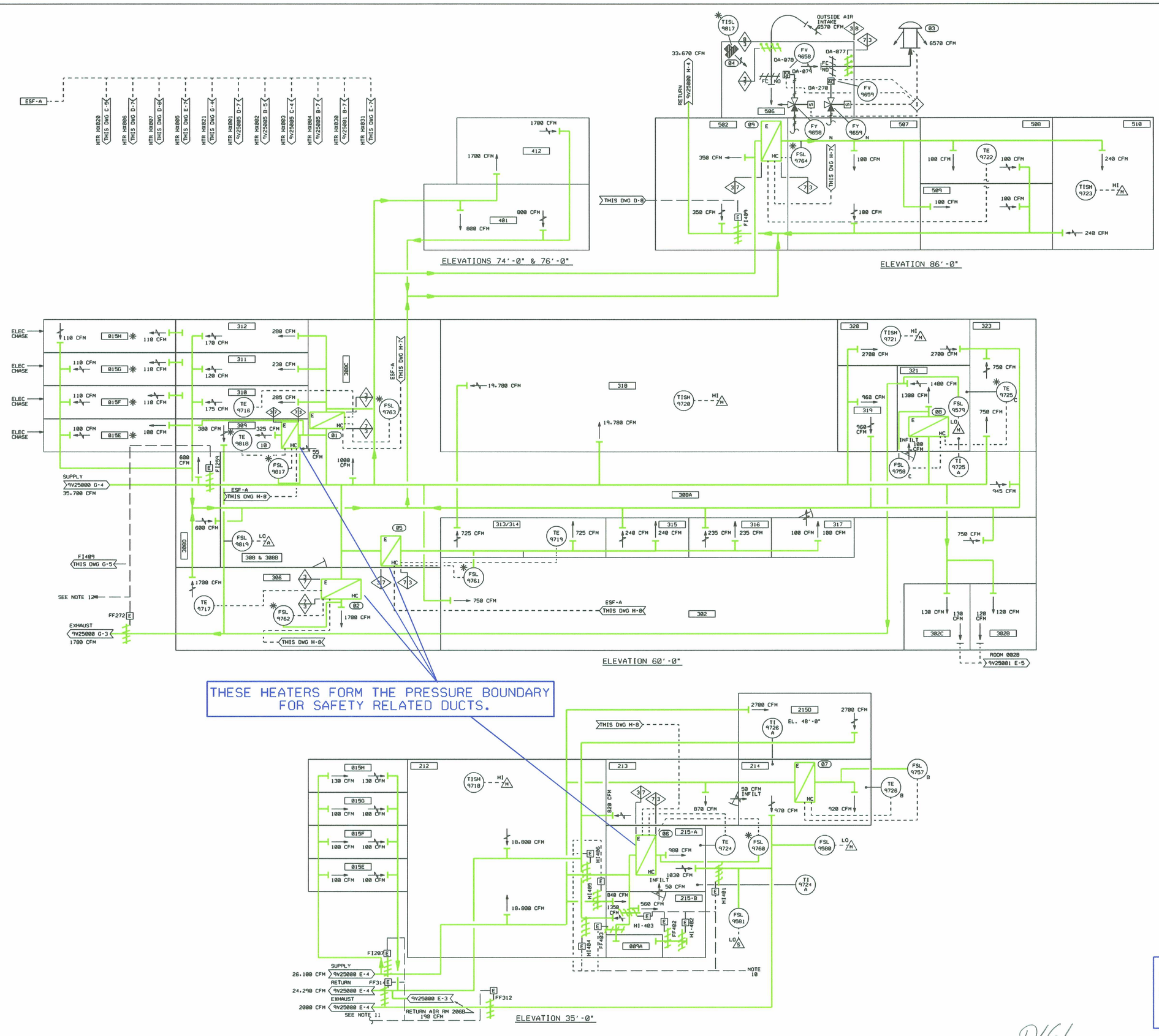

ROOM NUMBER INDEX

ROOM NO	ELEV.				ROOM DESCRIPTION
015E	35'-0"				ELECT CHASE EL 35'-0"
015F					"
015G					"
015H					"
015E*	60'-0"				ELECT CHASE EL 60'-0"
015F*					"
015G*					"
015H*					"
212	35'-0"				SWITCHGEAR ROOM
213					DISTRIBUTION ROOM
214					BATTERY ROOM (TRAIN B)
215A					COMPUTER BATTERY ROOM
215B					DISTRIBUTION ROOM
215D					ELEC CABLE ROOM
302	60'-0"				CABLE SPREADING ROOM
302C					ELECT CHASE
302B					ELECT CHASE
306					CONFERENCE ROOM
308A					HALLWAY
308B,C					HALLWAY
308D					ELEC EQPT RM
309					CAS BATTERY ROOM
310					OFFICE
311					OFFICE
312					OFFICE
313					OFFICE
314					OFFICE
315					RECORDS ROOM
316					MISC ELEC ROOM
317					STORAGE ROOM
318					SWITCHGEAR ROOM
319					DISTRIBUTION ROOM
320					GENERATOR ROOM
321					BATTERY ROOM (TRAIN C)
323					POWER CABINET
401	74'-0"				CABLE VAULT
412	76'-0"				CABLE VAULT
502	86'-0"				HVAC EQUIP ROOM
502B					ELEC MC ROOM
507					HVAC EQUIP ROOM
508					HVAC EQUIP ROOM
509					HVAC EQUIP ROOM
510					RAD MONITORS RM
009A	35'-0"				ELECT CHASE

EQUIPMENT NUMBERING INDEX

KEY NO	EQUIPMENT NUMBER	DESCRIPTION
01	9V111VHX005	REHEAT COIL
02	9V111VHX006	REHEAT COIL
03	8V111VFN013	ELEV MC RM EXHAUST FAN
04	8V351VHT122	ELEV MC RM UNIT HEATER
05	9V111VHX007	REHEAT COIL
06	9V111VHX020	COMPUTER BATTERY RM HTR
07	3V111VHX011	TR B BATTERY RM HTR
08	3V111VHX012	TR C BATTERY RM HTR
09	9V111VHX021	REHEAT COIL
10	9V111VHX031	CAS BATTERY RM REHEAT COIL

NOTES:

1. ALL SYSTEMS SHOWN ARE SAFETY CLASS 3 EXCEPT THOSE NOTED WHICH ARE NNS. ALL NNS DUCTWORK & HVAC EQUIPMENT SUPPORTS ARE DESIGNED TO MEET QUALITY CLASS 7 REQUIREMENTS.
2. ALL FIRE DAMPERS WILL BE SHOWN AFTER DUCT LAYOUT IS ESTABLISHED.
3. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR "NE".
4. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP "N" UNLESS OTHERWISE NOTED AT FIVE O'CLOCK POSITION.
5. ROOM NUMBERS ARE AS SHOWN ON ARCHITECTURAL DRAWINGS.
6. DELETED.
7. DELETED.
8. BATTERY ROOM EXHAUST WILL BE CLOSE TO THE CEILING AND LAYED OUT TO PREVENT ANY HYDROGEN POCKETING IN THE ROOM.
9. ALL AIR FLOW CFM'S SHOWN ARE AT STANDARD CONDITIONS (SCFM).
10. HALON SIGNAL FROM FIRE PROTECTION PANEL ZLP-917 CLOSES DAMPER ON HALON INJECTION.
11. SIGNAL FROM HAND SWITCH (HS207) TO CLOSE FIRE DAMPER FF FLOW INTERRUPTER (FI) FOR SINGLE TRAIN SHUTDOWN.
12. SIGNAL FROM HAND SWITCH (HS259) TO CLOSE FIRE DAMPER (FF)/FLOW INTERRUPTER (FI) FOR SINGLE TRAIN SHUTDOWN.
13. FOR EAB MAIN AREA HVAC SYSTEM (HE01,02,03) ACTUAL AIR FLOW QUANTITIES. SEE THE AS BUILT CONDITION SHOWN ON THE FINAL AIR BALANCING REPORT C035-01-00025-3H.

REFERENCE DRAWINGS:

0F00001 P&ID STANDARD ABBREVIATION & SYMBOLS
0F00002 P&ID STANDARD ABBREVIATION & SYMBOLS

SEE P&ID 5V114V25000 FOR ARCHITECTURAL DWGS

LR NOTES:

1. THESE DAMPERS ARE SAFETY-RELATED BARRIERS.
2. DUCTS DO NOT HAVE A STRUCTURAL INTEGRITY FUNCTION WHEN ATTACHED TO SAFETY-RELATED COMPONENTS.

2161

LR BOUNDARY DRAWING NO.	REV.
LR-STP-HE-5V119V25002*1	0B

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
22		REVISED PER CR 06-6687-1.	VJM				
21	6-9-04	INCORP. DCN'S 0400565 AND 0401101.	VJM	ON FILE			
20	12-13-00	INCORP. DCN 0004230.	JSH	ON FILE			
0-19	2-16-85	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PIPING & INSTRUMENTATION DIAGRAM-HVAC
E.A.B. MAIN AREA
ELEV. 35'-0",60'-0",76'-0", & 86'-0" AIR DISTRIBUTION

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA223.221	D070928		NONE	5V119V25002*1		22

ESEED.DGN