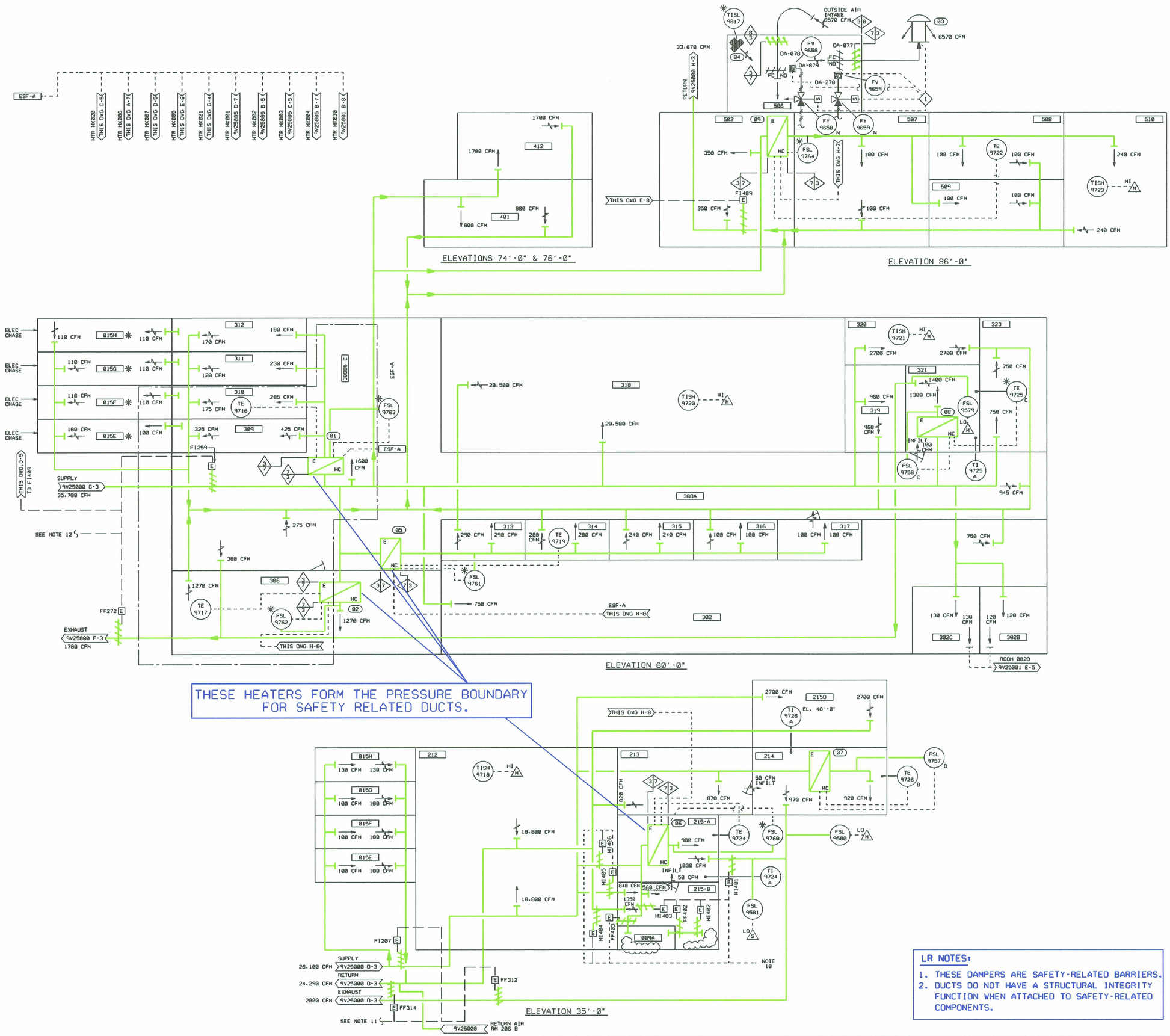

ROOM NUMBER INDEX

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					CONF. RM.
308A					HALLWAY
308B,C					HALLWAY
					DELETED
309					OFFICE
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
089A	35'-0"				ELECT CHASE

EQUIPMENT NUMBERING INDEX

KEY NO	EQUIPMENT NUMBER	DESCRIPTION
01	9V112VHX005	REHEAT COIL
02	9V112VHX006	REHEAT COIL
03	8V111VFN013	ELEV MC RM EXHAUST FAN
04	8V352VHT122	ELEV MC RM UNIT HEATER
05	9V112VHX007	REHEAT COIL
06	9V112VHX020	COMPUTER BATTERY RM HTR
07	3V112VHX011	TR B BATTERY RM HTR
08	3V112VHX012	TR C BATTERY RM HTR
09	9V112VHX021	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 "HE".
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. ALL EQUIPMENT NUMBER PREFIXED 3V112V EXCEPT FOR ELEV. MC. ROOM AO DAMPER NUMBERS WHICH HAVE PREFIX 8V112V.
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 CFMS 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 SHUT DOWN.
12. SIGNAL FROM HAND SWITCH (HS259) TO CLOSE FIRE DAMPER (FF)/FLOW INTERRUPTER (FI) FOR SINGLE TRAIN SHUT DOWN.
13. FOR ACTUAL AIR FLOW QUANTITIES, SEE THE AS-BUILT CONDITION SHOWN ON THE FINAL AIR BALANCING REPORT CQ35(2)-00017-3H.

REFERENCE DRAWINGS:

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

SEE P&ID 5V114V25000 FOR ARCHITECTURAL DWGS

D162

LR NOTES:

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

LR BOUNDARY DRAWING NO.	REV.
LR-STP-HE-5V119V25002#2	0A

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
16		INCORP. DCN'S 0400567 & 0401102.	JSH				
15	8-5-97	INCORP. DCN 8701242.	NF	ON FILE			
0-14	12-16-86	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 ELEVATIONS
35'-0", 60'-0", 74'-0", 76'-0" & 86'-0" AIR DISTRIBUTION

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA723.161	D070928		NONE	5V119V25002#2	-	16

ESEED.DCN