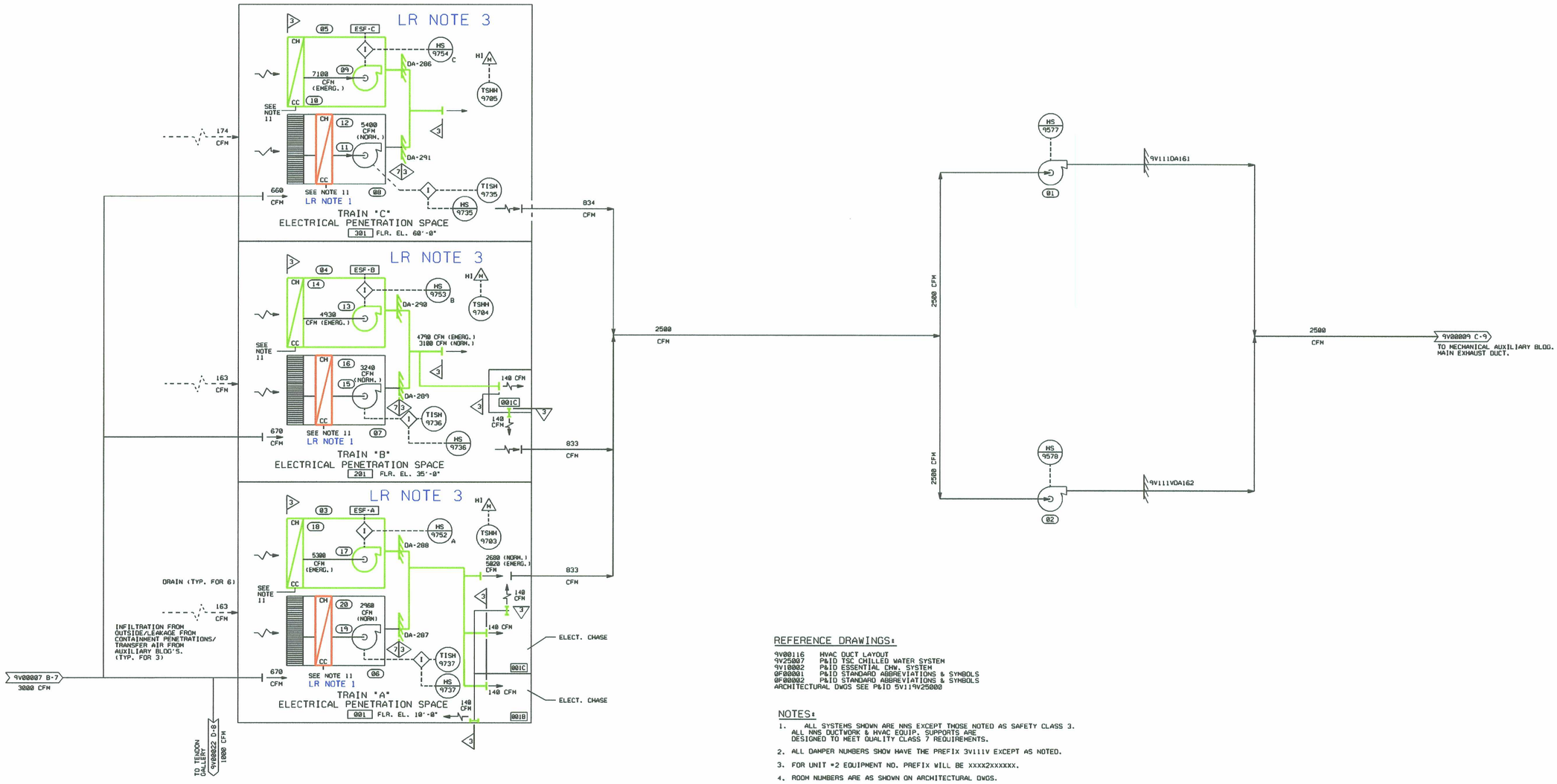
EQUIPMENT NUMBERING INDEX

KEY NO.	EQUIPMENT NUMBER	DESCRIPTION
01	9V141VFN015	PENTR. SPACE EXH. FAN (11A)
02	9V141VFN016	PENTR. SPACE EXH. FAN (11B)
03	3V111VAH004	PENTR. SPACE HVAC EMERGENCY AHU (11A)
04	3V111VAH005	PENTR. SPACE HVAC EMERGENCY AHU (11B)
05	3V111VAH006	PENTR. SPACE HVAC EMERGENCY AHU (11C)
06	9V111VAH006	PENTR. SPACE HVAC NORMAL AHU (11A)
07	9V111VAH007	PENTR. SPACE HVAC NORMAL AHU (11B)
08	9V111VAH008	PENTR. SPACE HVAC NORMAL AHU (11C)
09	3V111VFN030	AHU (09) FAN (11C)
10	3V111VHX024	AHU (09) COOLING COIL
11	9V111VFN025	AHU (08) FAN (11C)
12	9V111VHX025	AHU (08) COOLING COIL
13	3V111VFN031	AHU (07) FAN (11B)
14	9V111VHX025	AHU (07) COOLING COIL
15	9V111VFN026	AHU (07) FAN (11B)
16	9V111VHX026	AHU (07) COOLING COIL
17	3V111VFN032	AHU (06) FAN (11A)
18	3V111VHX026	AHU (06) COOLING COIL
19	9V111VFN027	AHU (05) FAN (11A)
20	9V111VHX027	AHU (05) COOLING COIL



REFERENCE DRAWINGS:

9V00116	HVAC DUCT LAYOUT
9V25007	P&ID TSC CHILLED WATER SYSTEM
9V10002	P&ID ESSENTIAL CHW. SYSTEM
QF00001	P&ID STANDARD ABBREVIATIONS & SYMBOLS
QF00002	P&ID STANDARD ABBREVIATIONS & SYMBOLS

ARCHITECTURAL DWGS SEE P&ID 5V119V25000

NOTES:

1. ALL SYSTEMS SHOWN ARE NNS EXCEPT THOSE NOTED AS SAFETY CLASS 3. ALL NNS DUCTWORK & HVAC EQUIP. SUPPORTS ARE DESIGNED TO MEET QUALITY CLASS 7 REQUIREMENTS.
2. ALL DAMPER NUMBERS SHOW HAVE THE PREFIX 3V111V EXCEPT AS NOTED.
3. FOR UNIT #2 EQUIPMENT NO. PREFIX WILL BE XXXX2XXXXXX.
4. ROOM NUMBERS ARE AS SHOWN ON ARCHITECTURAL DWGS.
5. ALL AIR FLOW CFM'S SHOWN ARE AT STANDARD CONDITIONS (SCFM).
6. DELETED.
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. T.C. WITH VALVES ARE SUPPLIED BY HVAC CONTRACTOR.
10. DELETED
11. START UP TO DETERMINE NECESSITY OF DRAIN LINES DURING START UP ACTIVITIES. IF DEEMED NECESSARY, PROVIDE AND ROUTE TO NEAREST FLOOR DRAIN. BY USE OF A RUBBER HOSE OR PVC.
12. FOR ELECTRICAL PENETRATION AREA HVAC SYSTEM (HE04) ACTUAL AIR FLOW QUANTITIES SEE THE AS BUILT CONDITION SHOWN ON THE FINAL AIR BALANCING REPORT C035-01-00017-3H AND C035-01-00024-3H FOR UNIT 1.

LR NOTES:

1. COOLING COILS ARE DETAILED ON LR-STP-CH-6V119V25007
2. DUCTS DO NOT AFFECT ATTACHED SAFETY RELATED COMPONENTS
3. COOLING COILS ARE DETAILED ON LR-STP-CH-3V119V0002 #1.

2157

LR BOUNDARY DRAWING NO.	REV.
LR-STP-HE-5V119V00020#1	0B

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
12		INCORP. DCN 0201254.	LNB				
0-11	12-16-82	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

ESSED DCN

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PIPING & INSTRUMENTATION DIAGRAM - HVAC ELECTRICAL AUXILIARY BUILDING PENETRATION SPACE HVAC SUBSYSTEM

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA247.121	D070928		NONE	5V119V00020#1		12