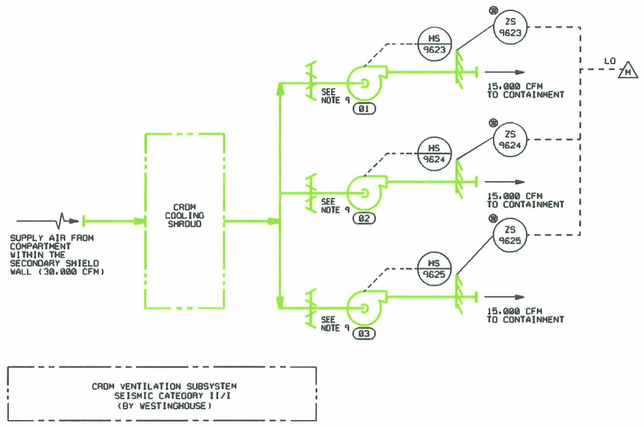
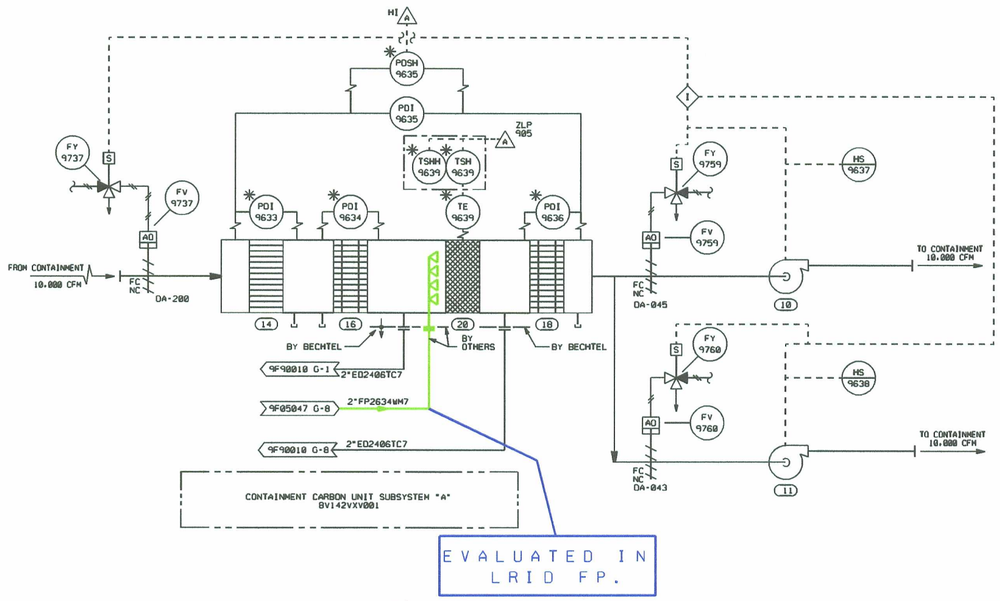
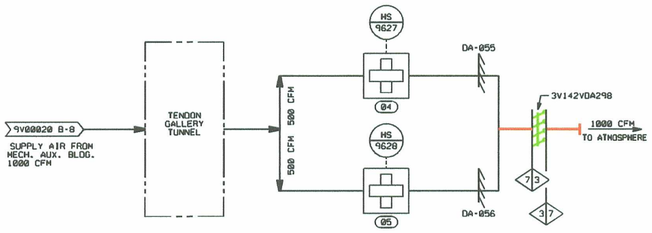
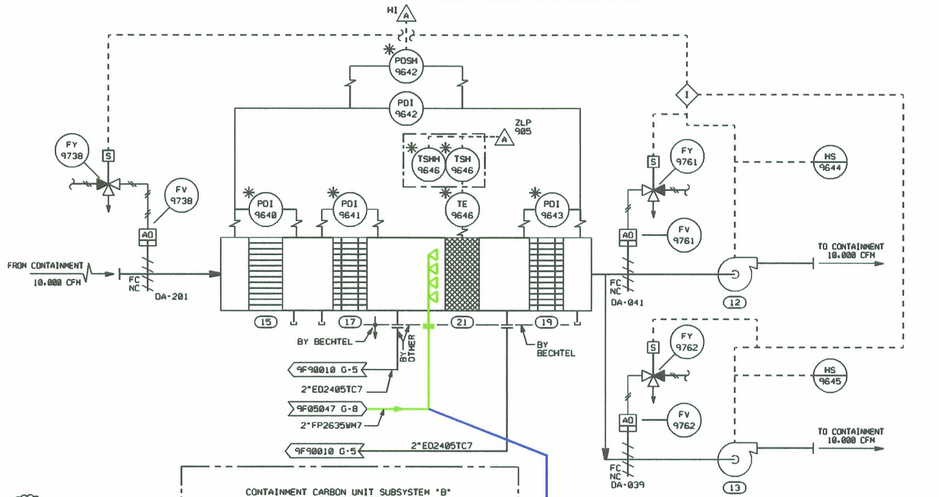




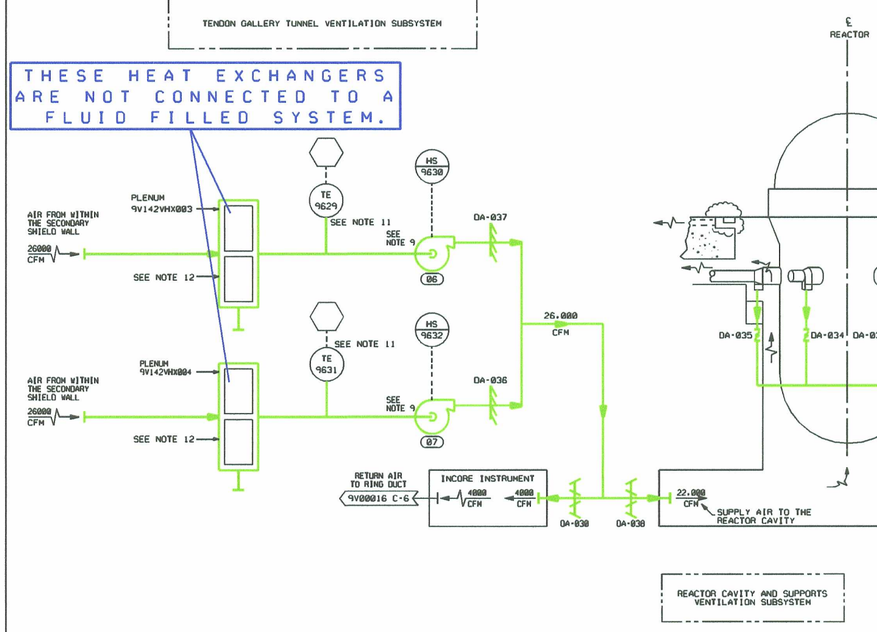
EQUIPMENT NUMBERING INDEX		
KEY NO	EQUIPMENT NUMBER	DESCRIPTION
01	8V142VFN017	CRDM VENT FAN (21A)
02	8V142VFN018	CRDM VENT FAN (21B)
03	8V142VFN019	CRDM VENT FAN (21C)
04	8V142VFN021	TENDON GALLERY FAN (21A)
05	8V142VFN022	TENDON GALLERY FAN (21B)
06	8V142VFN023	RX CAVITY/SUPPORTS SPLY FAN(21A)
07	8V142VFN024	RX CAVITY/SUPPORTS SPLY FAN(21B)
08	DELETED.	
09	DELETED.	
10	8V142VFN029	CONT CARB UNIT "A" FAN (21A)
11	8V142VFN030	CONT CARB UNIT "A" FAN (22A)
12	8V142VFN031	CONT CARB UNIT "B" FAN (21B)
13	8V142VFN032	CONT CARB UNIT "B" FAN (22B)
14	8V142VFD016	CONT CARB UNIT "A" PREFLTR (21A)
15	8V142VFD017	CONT CARB UNIT "B" PREFLTR (21B)
16	8V142VFD018	CONT CARB UNIT "A" HEPA (21A)
17	8V142VFD019	CONT CARB UNIT "B" HEPA (21B)
18	8V142VFD020	CONT CARB UNIT "A" HEPA (21A)
19	8V142VFD021	CONT CARB UNIT "B" HEPA (21B)
20	8V142VFC004	CONT CARB UNIT "A" C FLTR (21A)
21	8V142VFC005	CONT CARB UNIT "B" C FLTR (21B)
22	9V142VFN036	REACTOR SUPP. EXH. FAN (21A)
23	9V142VFN037	REACTOR SUPP. EXH. FAN (21B)
24	8V142VFN035	ELEV. MACH. RM. EXH. FAN

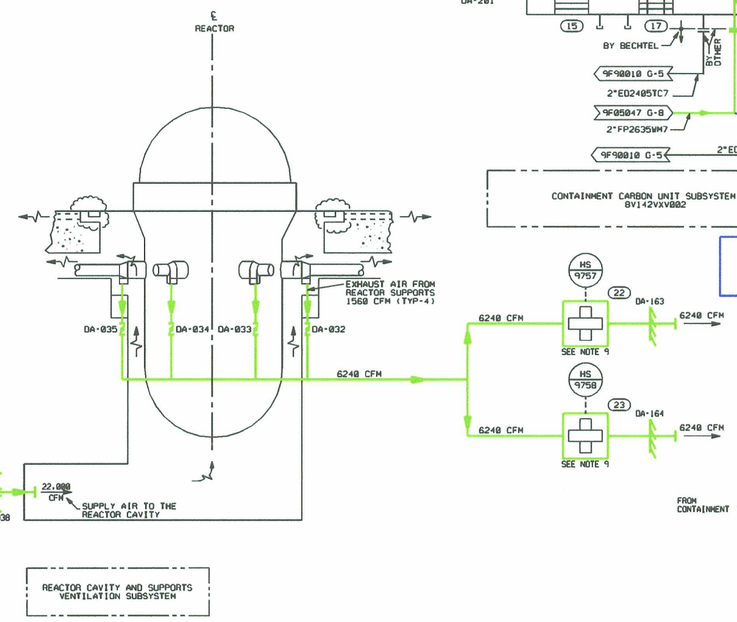


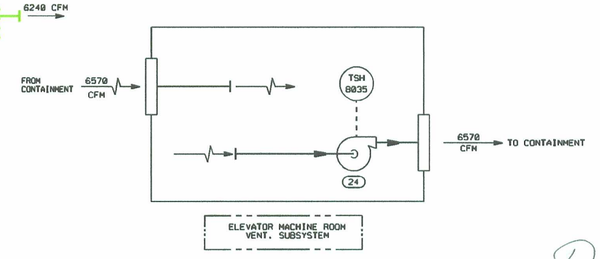


LR NOTES:

1. MANY FIRE & TORNADO DAMPERS ARE SAFETY-RELATED BARRIERS.
2. DUCTS DO NOT AFFECT ATTACHED SAFETY-RELATED COMPONENTS.







NOTES:

1. ALL SYSTEMS SHOWN ARE NON SAFETY & NON SEISMIC (EXCEPT EQUIPMENT & DUCTWORK SUPPORTS ARE DESIGNED TO MEET QUALITY CLASS 7 REQUIREMENTS) UNLESS NOTED OTHERWISE.
2. ALL DAMPERS NUMBERS SHOWN HAVE THE PREFIX 8V142V.
3. DELETED.
4. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR "HC".
5. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP "H" UNLESS OTHERWISE NOTED AT FIVE O'CLOCK POSITION.
6. DELETED
7. AIR QUANTITES ARE IN SCFM.
8. ✳ VENDOR PACKAGE SUPPLIED INSTRUMENTS
9. CRDM AND REACTOR CAVITY & SUPPORTS VENT. SUBSYSTEMS FANS ARE POWERED FROM CLASS IE BUSES.
10. ✳ ✳ SUPPLIED BY HVAC CONTRACTOR.
11. INSTRUMENTS TE-9629 AND TE-9631 ARE INSTALLED BUT NOT USED.
12. COOLING COILS WERE NEVER INSTALLED AND ARE NOT REQUIRED.
13. FOR ACTUAL AIR FLOW QUANTITIES, SEE THE AS-BUILT CONDITION SHOWN ON THE FINAL AIR BALANCING REPORT C035 (2)-00006-3H, 00007-3H, 00011-3H, 00013-3H & 00015-3H.

REFERENCE DWGS.

9V0131	HVAC PHYSICAL TENDON GALLERY
9Z41632	LOGIC DIAGRAM
9V0096	HVAC PHYSICAL REACTOR CAV. SUP.
9V0047	HVAC PHYSICAL LAYOUT CARBON UNIT
9F00001	P&ID STANDARD ABBREVIATIONS & SYMBOLS
9F00002	P&ID STANDARD ABBREVIATIONS & SYMBOLS
4C299S31000	STRUCTURAL R.C.B. SEAL PLATE-PLANS & SECTIONS
4C299S31001	STRUCTURAL R.C.B. SEAL PLATE-SECTIONS & DETAILS

D152

LR BOUNDARY DRAWING NO.	REV.
LR-STP-HC-5V149V00022#2	0A

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
15		REVISED PER CR 06-9353.	JGL				
14	9-6-01	REVISED PER CR 01-13262	JGL	ON FILE			
0-13	12-10-82	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

SUPERSEDED BY

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PIPING & INSTRUMENTATION DIAGRAM HVAC REACTOR CONTAINMENT BLDG MISC. SUPP. SUBSYSTEMS

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA749.151	0070928		NONE	5V149V00022#2		15

8 7 6 5 4 3 2 1

H G F E D C B A