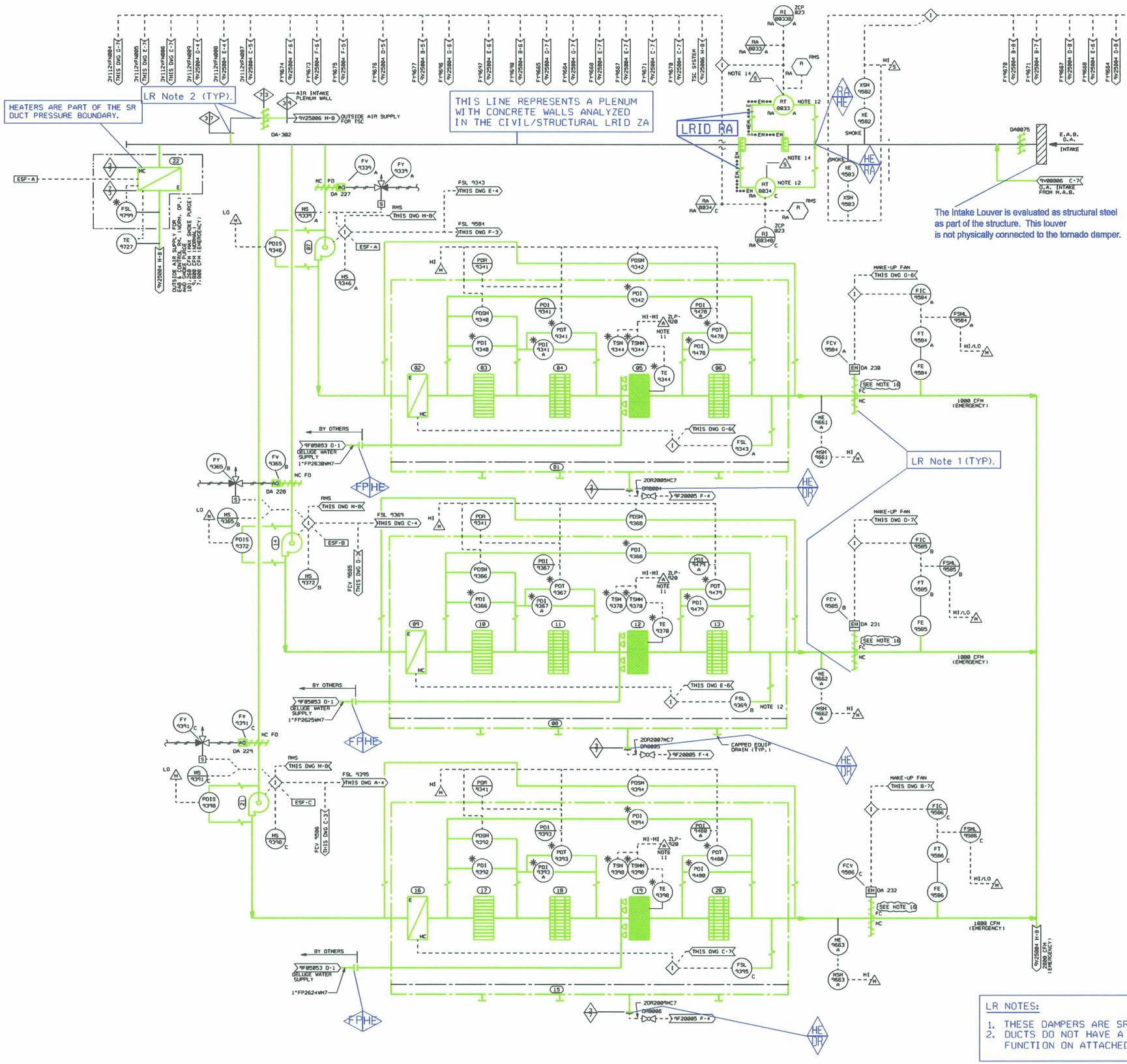

EQUIPMENT NUMBERING INDEX

KEY NO	EQUIPMENT NUMBER	DESCRIPTION
01	3V112VXV004	MAKE-UP FILTER (TRAIN A) (11A)
02	3V112VHX004	UNIT (01) HEATING OIL (11A)
03	3V112VFD001	UNIT (01) PREFILTER (11A)
04	3V112VFD013	UNIT (01) MEPA FILTER (11A)
05	3V112VFC001	UNIT (01) CARBON FILTER (11A)
06	3V112VFD022	UNIT (01) MEPA FILTER (11A)
07	3V112VFN004	MAKE-UP FAN (TRAIN A) (11A)
08	3V112VXV005	MAKE-UP FILTER (TRAIN B) (11B)
09	3V112VHX005	UNIT (08) HEATING COIL (11B)
10	3V112VFD002	UNIT (08) PREFILTER (11B)
11	3V112VFD014	UNIT (08) MEPA FILTER (11B)
12	3V112VFC002	UNIT (08) CARBON FILTER (11B)
13	3V112VFD023	UNIT (08) MEPA FILTER (11B)
14	3V112VFN005	MAKE-UP FAN (TRAIN B) (11B)
15	3V112VXV006	MAKE-UP FILTER (TRAIN C) (11C)
16	3V112VHX006	UNIT (15) HEATING COIL (11C)
17	3V112VFD003	UNIT (15) PREFILTER (11C)
18	3V112VFD015	UNIT (15) MEPA FILTER (11C)
19	3V112VFC003	UNIT (15) CARBON FILTER (11C)
20	3V112VFD024	UNIT (15) MEPA FILTER (11C)
21	3V112VFN006	MAKE-UP FAN (TRAIN C) (11C)
22	9V112VHX010	OUTSIDE AIR HEATING COIL

REFERENCE DRAWINGS

1. 2-F-00001 P&ID STANDARD ABBREVIATIONS & SYMBOLS.
2. 2-F-00002 P&ID STANDARD ABBREVIATIONS & SYMBOLS.
3. GENERAL ATOMIC DWG NO. 8392-1081(GAS). SNT 18 (4381-00275-DW.0381-00267-DW).

NOTES

1. ALL SYSTEMS SHOWN ARE SAFETY CLASS 3 AND SEISMIC CATEGORY 1 EXCEPT THOSE NOTED WHICH ARE NNS. ALL NNS DUCTWORK & HVAC EQUIP. SUPPORTS ARE DESIGNED TO MEET QUALITY CLASS 7 REQUIREMENTS.
2. ALL DAMPER NUMBERS SHOWN HAVE THE PREFIX 3V112V.
3. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR "ME" EXCEPT RADIATION MONITORING SYSTEM WHICH HAS SYSTEM DESIGNATION "RA". RADIATION MONITORS ARE SUPPLIED BY GENERAL ATOMICS.
4. FOR UNIT NO.2 ALL EQUIPMENT NUMBERS PREFIX WILL BE XXXX2XXXXXX.
5. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP "N" UNLESS OTHERWISE NOTED AT 5 O'CLOCK POSITION.
6. INSTRUMENTS MARKED WITH AN (*) ARE FURNISHED BY THE CORRESPONDING EQUIPMENT VENDOR.
7. DELETED.
8. ALL AIR FLOW CFM'S SHOWN ARE AT STANDARD CONDITIONS (SCFM).
9. ALL EQUIPMENT DRAINS SHOWN ARE 2" SIZE.
10. DAMPERS DA-2227, 228, & 229 ARE BUBBLE TIGHT.
11. ALL ANNUNCIATORS WILL BE DISPLAYED ON THE LOCAL FIRE CONTROL PANEL & RE-TRANSMITTED THRU THE FIRE PROTECTION DATA ACQUISITION TO A CRT DISPLAY IN THE CONTROL ROOM.
12. TAG NUMBER OF VALVES FURNISHED BY GA IS SHOWN ON REF DWG 3.
13. ALL FIRE PROTECTION PIPING IS QUALITY CLASS 7.
14. MONITOR FAILURE ALARM ON PANEL 2CP-022
15. FOR ACTUAL AIR FLOW QUANTITIES, SEE THE AS-BUILT CONDITION SHOWN ON THE FINAL AIR BALANCING REPORT C035 (2)-00020-3M.
16. THE FLOW CONTROL DAMPERS WILL FAIL CLOSED ON LOSS OF CONTROL SIGNAL (IF NORMAL AC ACTUATOR POWER AVAILABLE). IF NORMAL AC POWER ACTUATOR IS LOST THE DAMPER WILL FAIL AS IS.

LR NOTES:

1. THESE DAMPERS ARE SR BARRIERS.
2. DUCTS DO NOT HAVE A STRUCTURAL INTEGRITY FUNCTION ON ATTACHED SR COMPONENTS.

D164

LR BOUNDARY DRAWING NO.	REV.
LR-STP-HE-5V119V25003#2	0A

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
19		INCORP. DCN 0003305.	LNB				
0-18	12-16-82	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 ELECTRICAL AUXILIARY BUILDING & CONTROL ROOM OUTSIDE AIR MAKE-UP SYSTEM

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA724.191	D070928		NONE	5V119V25003 #2	--	19

ESEED.DGN

8 7 6 5 4 3 2 1