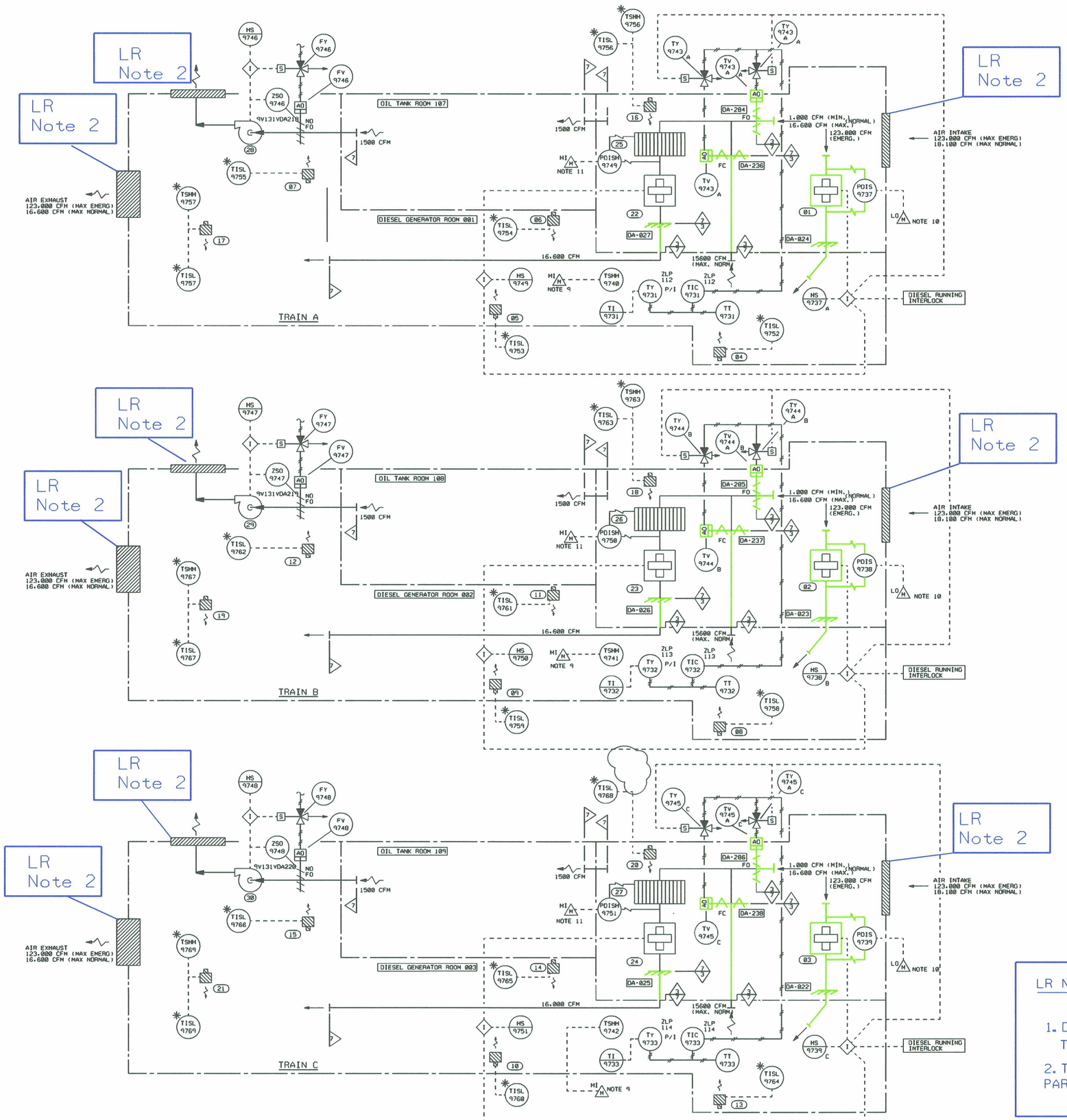

EQUIPMENT NUMBERING INDEX

KEY NO	EQUIPMENT NUMBER	DESCRIPTION
01	3V131VFN001	D.G. HVAC EMER SPLY FAN (11A)
02	3V131VFN002	D.G. HVAC EMER SPLY FAN (11B)
03	3V131VFN003	D.G. HVAC EMER SPLY FAN (11C)
04	8V351VHT001	UNIT HEATER
05	8V351VHT002	UNIT HEATER
06	8V351VHT003	UNIT HEATER
07	8V351VHT004	UNIT HEATER
08	8V351VHT005	UNIT HEATER
09	8V351VHT006	UNIT HEATER
10	8V351VHT007	UNIT HEATER
11	8V351VHT008	UNIT HEATER
12	8V351VHT009	UNIT HEATER
13	8V351VHT010	UNIT HEATER
14	8V351VHT011	UNIT HEATER
15	8V351VHT012	UNIT HEATER
16	8V351VHT013	UNIT HEATER
17	8V351VHT014	UNIT HEATER
18	8V351VHT015	UNIT HEATER
19	8V351VHT016	UNIT HEATER
20	8V351VHT017	UNIT HEATER
21	8V351VHT018	UNIT HEATER
22	9V131VFN007	D.G. HVAC NORMAL SPLY FAN (11A)
23	9V131VFN008	D.G. HVAC NORMAL SPLY FAN (11B)
24	9V131VFN009	D.G. HVAC NORMAL SPLY FAN (11C)
25	9V131VFD001	FILTER
26	9V131VFD002	FILTER
27	9V131VFD003	FILTER
28	8V131VFN004	DIESEL OIL TANK ROOM EXHAUST FAN (11A)
29	8V131VFN005	DIESEL OIL TANK ROOM EXHAUST FAN (11B)
30	8V131VFN006	DIESEL OIL TANK ROOM EXHAUST FAN (11C)

NOTES

1. ALL SYSTEMS SHOWN ARE SAFETY CLASS 3 EXCEPT UNIT HEATERS AND THOSE NOTED WHICH ARE NNS. ALL NNS DUCTWORK & HVAC EQUIPMENT SUPPORTS ARE DESIGNED TO MEET QUALITY CLASS 7 REQUIREMENTS.
2. ALL DAMPER NUMBERS HAVE THE PREFIX 3V131V, EXCEPT AS NOTED.
3. ALL OUTSIDE AIR & EXHAUST OPENINGS SHALL BE PROVIDED WITH WEATHERPROOF LOUVERS & ·" BIRDSCREEN.
4. DELETED
5. DELETED.
6. ALL AIR FLOW CFM'S SHOWN ARE AT STANDARD CONDITIONS (SCFM).
7. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR "MG".
8. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP "N" UNLESS OTHERWISE NOTED AT FIVE O'CLOCK POSITION.
9. MULTIPLE INPUT ANNUNCIATOR WINDOW COMMON TO THREE TRAINS.
10. MULTIPLE INPUT ANNUNCIATOR WINDOW COMMON TO THREE FANS.
11. MULTIPLE INPUT ANNUNCIATOR WINDOW COMMON TO THREE FILTERS.
12. FOR ACTUAL AIR FLOW QUANTITIES SEE THE AS-BUILT CONDITION SHOWN ON THE FINAL AIR BALANCING REPORT C8351(1)-00022-3M FOR UNIT 1.

REFERENCE DRAWINGS

9V0000 HVAC PHYSICAL LAYOUT
9E2907 ELECTRICAL DRAWING-PLAN
9C5001 CONCRETE DRAWING-PLAN
9A1016 ARCHITECTURAL DRAWING-PLAN
9F5045 P&ID-MECHANICAL
9F0045 MECHANICAL-FIRE PROTECTION DWG.
9F00001 P&ID STANDARD ABBREVIATIONS & SYMBOLS
9F00002 P&ID STANDARD ABBREVIATIONS & SYMBOLS

LR NOTES:

1. DUCTS DO NOT HAVE STRUCTURAL INTEGRITY FUNCTION TO ATTACHED SAFETY-RELATED COMPONENTS.
2. THE LOUVER IS EVALUATED AS STRUCTURAL STEEL AS PART OF THE STRUCTURE.

9175

LR BOUNDARY DRAWING NO.	REV.
LR-STP-HG-5V139V00015#1	0B

NO.	ISSUE DATE	REVISION	BY	CKR	RE	DV	NA	SE	PE
14		INCORP. DCN 9604590.	VJM						
13	11-23-92	HL&P ASSUMES DESIGN CHANGE CONTROL AND INC. ECN 89-J-0110-CK.	SIGNATURES ON FILE						
0-12	1-10-83	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE						

HOUSTON LIGHTING & POWER COMPANY
SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION

PIPING & INSTURMENTATION DIAGRAM
HVAC DIESEL GENERATOR BUILDING
NORMAL & EMERGENCY SYSTEM

SCALE	DWG. NO.	REV.
NONE	5V139V00015*1	14

EDWG.DGN

VJM PRIORITY 1 DC.NO. D070928 FJA242.141