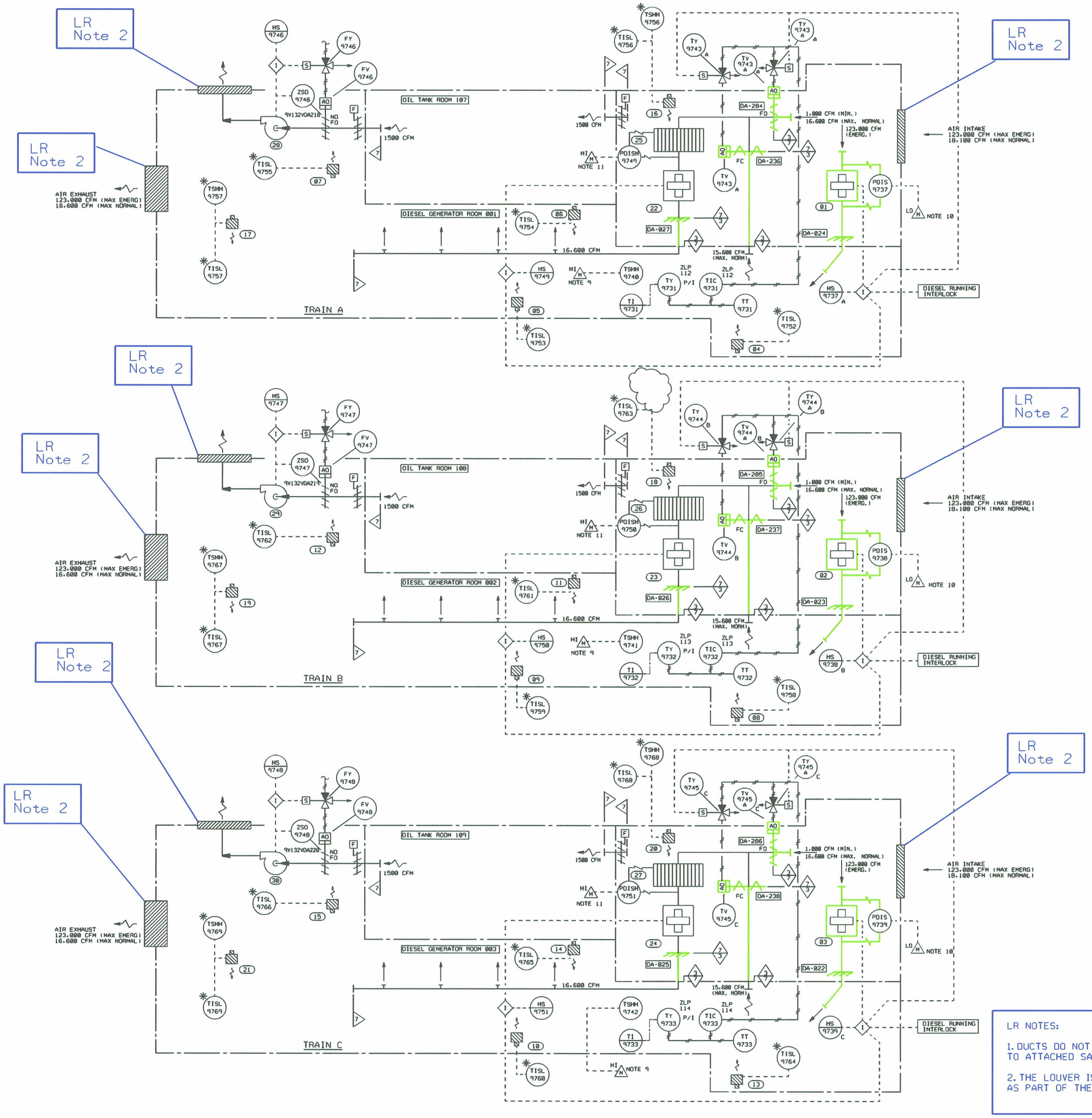

EQUIPMENT NUMBERING INDEX		
KEY NO	EQUIPMENT NUMBER	DESCRIPTION
01	3V132VFN001	D.G. HVAC EMER SPLY FAN (21A)
02	3V132VFN002	D.G. HVAC EMER SPLY FAN (21B)
03	3V132VFN003	D.G. HVAC EMER SPLY FAN (21C)
04	8V352VHT001	UNIT HEATER
05	8V352VHT002	UNIT HEATER
06	8V352VHT003	UNIT HEATER
07	8V352VHT004	UNIT HEATER
08	8V352VHT005	UNIT HEATER
09	8V352VHT006	UNIT HEATER
10	8V352VHT007	UNIT HEATER
11	8V352VHT008	UNIT HEATER
12	8V352VHT009	UNIT HEATER
13	8V352VHT010	UNIT HEATER
14	8V352VHT011	UNIT HEATER
15	8V352VHT012	UNIT HEATER
16	8V352VHT013	UNIT HEATER
17	8V352VHT014	UNIT HEATER
18	8V352VHT015	UNIT HEATER
19	8V352VHT016	UNIT HEATER
20	8V352VHT017	UNIT HEATER
21	8V352VHT018	UNIT HEATER
22	9V132VFN007	D.G. HVAC NORMAL SPLY FAN (21A)
23	9V132VFN008	D.G. HVAC NORMAL SPLY FAN (21B)
24	9V132VFN009	D.G. HVAC NORMAL SPLY FAN (21C)
25	9V132VFD001	FILTER
26	9V132VFD002	FILTER
27	9V132VFD003	FILTER
28	8V132VFN004	DIESEL OIL TANK ROOM EXHAUST FAN (21A)
29	8V132VFN005	DIESEL OIL TANK ROOM EXHAUST FAN (21B)
30	8V132VFN006	DIESEL OIL TANK ROOM EXHAUST FAN (21C)

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 3V132V, EXCEPT AS NOTED.
3. ALL OUTSIDE AIR & EXHAUST OPENINGS SHALL BE PROVIDED WITH WEATHERPROOF LOUVERS & ½" 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 "HG".
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 C035 (2)-00005-3H FOR UNIT 2

REFERENCE DRAWINGS

9V0000	HVAC PHYSICAL LAYOUT
9E2707	ELECTRICAL DRAWING-PLAN
9C5001	CONCRETE DRAWING-PLAN
9A1816	ARCHITECTURAL DRAWING-PLAN
9F0049	MECHANICAL SERVICE & INSTRUMENT AIR P&ID
0F00001	P&ID STANDARD ABBREVIATIONS & SYMBOLS
0F00002	P&ID STANDARD ABBREVIATIONS & SYMBOLS

LR NOTES:

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

2176

LR BOUNDARY DRAWING NO.	REV.
LR-STP-HG-5V139V00015#2	0A

NO.	ISSUE DATE	REVISION	BY	CKR	RE	DV	NA	SE	PE
14		INCORP. DCN 9604587.	VJM						
13	1-14-92	INCORP. ECH 89-J011CG.	SIGNATURES ON FILE						
12	7-20-89	HL&P ASSUMES DESIGN CHANGE CONTROL & INCORP. DCN * MD-578.	SIGNATURES ON FILE						
0-11	1-10-83	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE						

EDWG.DGN

HOUSTON LIGHTING & POWER COMPANY
SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION

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

SCALE	DWG. NO.	REV.
NONE	5V139V00015#2	14

PRIORITY 1 | ACCESS CAT. | QC NO. 0070928 | FJA742.141