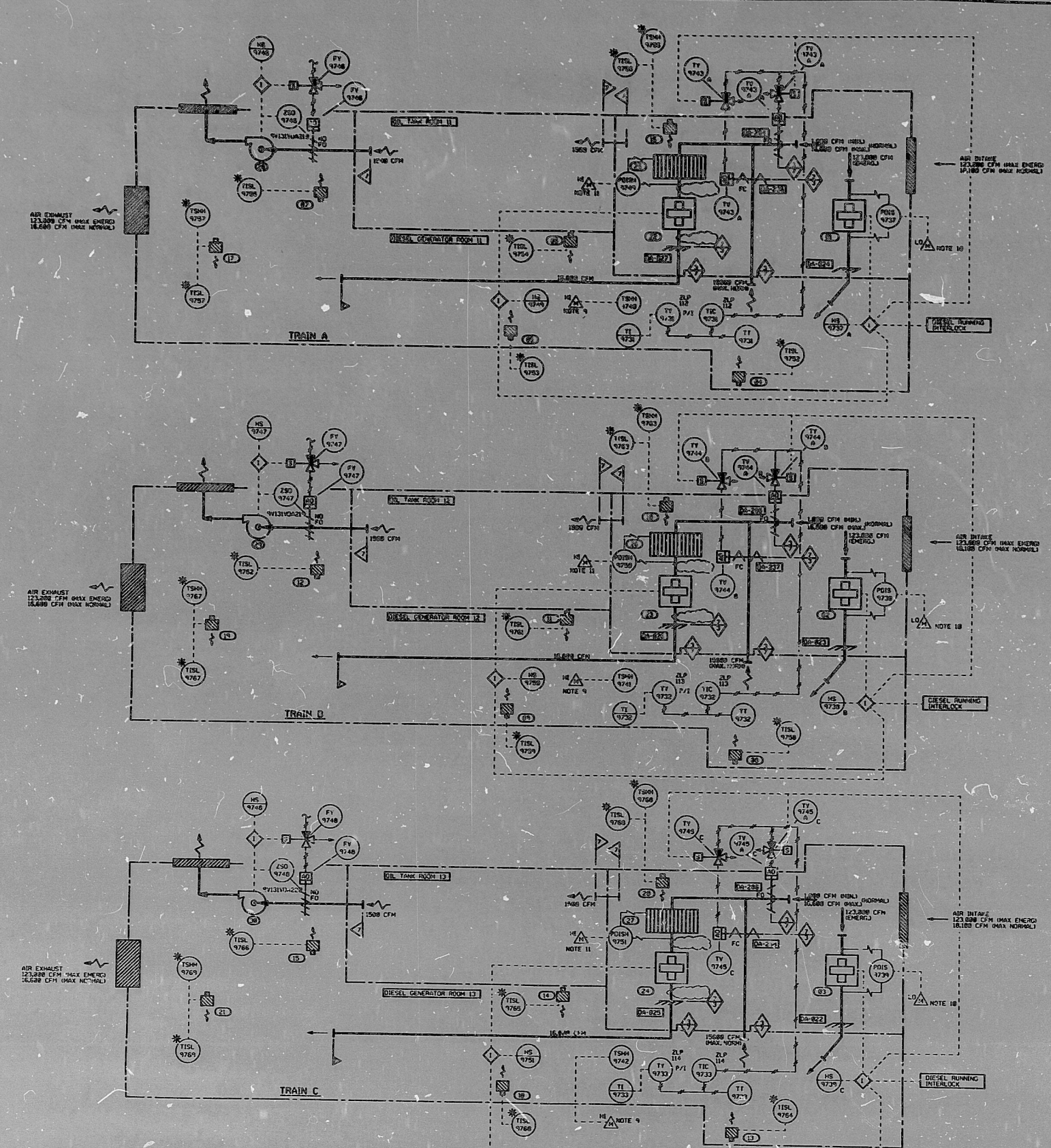


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EQUIPMENT NUMBERING INDEX		
KEY NO.	EQUIPMENT NUMBER	DESCRIPTION
01	0131VFN001	D.C. HVAC FAN ENGINE (11A)
02	0131VFN002	D.C. HVAC FAN ENGINE (11B)
03	0131VFN003	D.C. HVAC FAN ENGINE (11C)
04	0131VFN004	UNIT HEATER
05	0131VFN005	UNIT HEATER
06	0131VFN006	UNIT HEATER
07	0131VFN007	UNIT HEATER
08	0131VFN008	UNIT HEATER
09	0131VFN009	UNIT HEATER
10	0131VFN010	UNIT HEATER
11	0131VFN011	UNIT HEATER
12	0131VFN012	UNIT HEATER
13	0131VFN013	UNIT HEATER
14	0131VFN014	UNIT HEATER
15	0131VFN015	UNIT HEATER
16	0131VFN016	UNIT HEATER
17	0131VFN017	UNIT HEATER
18	0131VFN018	UNIT HEATER
19	0131VFN019	UNIT HEATER
20	0131VFN020	UNIT HEATER
21	0131VFN021	UNIT HEATER
22	0131VFN022	D.C. HVAC NORMAL VENT FAN (11A)
23	0131VFN023	D.C. HVAC NORMAL VENT FAN (11B)
24	0131VFN024	D.C. HVAC NORMAL VENT FAN (11C)
25	0131VFN025	FILTER
26	0131VFN026	FILTER
27	0131VFN027	FILTER
28	0131VFN028	DIESEL OIL TANK ROOM EXHAUST FAN (11A)
29	0131VFN029	DIESEL OIL TANK ROOM EXHAUST FAN (11B)
30	0131VFN030	DIESEL OIL TANK ROOM EXHAUST FAN (11C)

- NOTES
1. ALL SYSTEMS SHOWN ARE SAFETY CLASS 3 EXCEPT UNIT HEATERS AND THOSE NOTED WHICH ARE WELDED. ALL WELDED SYSTEMS AND EQUIPMENT SUPPORTS ARE DESIGNED TO MEET QUALITY CLASS 3 REQUIREMENTS.
 2. ALL DAMPER NUMBERS HAVE THE PREFIX 0131V, EXCEPT AS NOTED.
 3. ALL OUTSIDE AIR & EXHAUST OPENINGS SHALL BE PROVIDED WITH WEATHERPROOF LOUVERS & 1/4" BIRDSNEED.
 4. IF IN UNIT NO. 2, ALL EQUIPMENT NUMBERS PREFIX WILL BE 0000000000.
 5. DELETED.
 6. ALL AIR FLOW CFM'S SHOWN ARE AT STANDARD CONDITIONS (20°F, 14.7 PSIA, 35.9 FPM).
 7. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR (S.D.).
 8. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP NUMBERS OTHERWISE NOTED AT FIVE (5) PLACE POSITION.
 9. MULTIPLE INPUT ANNUNCIATOR WINDOW COMMON TO THREE TRAYS.
 10. MULTIPLE INPUT ANNUNCIATOR WINDOW COMMON TO THREE TRAYS.
 11. MULTIPLE INPUT ANNUNCIATOR WINDOW COMMON TO THREE TRAYS.
 12. FOR ACTUAL AIR FLOW QUANTITIES SEE THE AS-BUILT CONDITIONS SHOWN ON THE FINAL AIR BALANCING REPORT (CORRECTED) SHEET 20 FOR UNIT 1.
- REFERENCE DRAWINGS
- 0131VFN001 HVAC PHYSICAL LAYOUT
 - 0131VFN002 ELECTRICAL DRAWING - 11A
 - 0131VFN003 CONCRETE DRAWING - 11A
 - 0131VFN004 MECHANICAL LAYOUT - 11A
 - 0131VFN005 MECHANICAL LAYOUT - 11B
 - 0131VFN006 MECHANICAL LAYOUT - 11C
 - 0131VFN007 MECHANICAL LAYOUT - 11D
 - 0131VFN008 MECHANICAL LAYOUT - 11E
 - 0131VFN009 MECHANICAL LAYOUT - 11F
 - 0131VFN010 MECHANICAL LAYOUT - 11G
 - 0131VFN011 MECHANICAL LAYOUT - 11H
 - 0131VFN012 MECHANICAL LAYOUT - 11I
 - 0131VFN013 MECHANICAL LAYOUT - 11J
 - 0131VFN014 MECHANICAL LAYOUT - 11K
 - 0131VFN015 MECHANICAL LAYOUT - 11L
 - 0131VFN016 MECHANICAL LAYOUT - 11M
 - 0131VFN017 MECHANICAL LAYOUT - 11N
 - 0131VFN018 MECHANICAL LAYOUT - 11O
 - 0131VFN019 MECHANICAL LAYOUT - 11P
 - 0131VFN020 MECHANICAL LAYOUT - 11Q
 - 0131VFN021 MECHANICAL LAYOUT - 11R
 - 0131VFN022 MECHANICAL LAYOUT - 11S
 - 0131VFN023 MECHANICAL LAYOUT - 11T
 - 0131VFN024 MECHANICAL LAYOUT - 11U
 - 0131VFN025 MECHANICAL LAYOUT - 11V
 - 0131VFN026 MECHANICAL LAYOUT - 11W
 - 0131VFN027 MECHANICAL LAYOUT - 11X
 - 0131VFN028 MECHANICAL LAYOUT - 11Y
 - 0131VFN029 MECHANICAL LAYOUT - 11Z
 - 0131VFN030 MECHANICAL LAYOUT - 11AA

SI
APERTURE
CARD

CHIEF ENGR	CLIENT	NO.	REVISION	RE	OR	DL	EOS	PE	DATE	CHIEF ENGR	CLIENT	NO.	REVISION	RE	OR	DL	EOS	PE	DATE
N/A	N/A	7	INCORPORATE DCH 11						3-25-95	NA	NA	18	INCORP DCH 11 & REVISION REPORT						
N/A	N/A	4	INCORPORATE DCH'S 4, 5 & 6						3-25-95	NA	NA	9	ISSUED FOR UTILIZATION SUPERSEDED DCH 0131VFN001						
N/A	N/A	3	INCORPORATE DCH'S 2 & 3						3-25-95	NA	NA	8	INCORP DCH 12 SUPERSEDED BY DCH 0131VFN001						
N/A	N/A	12	INC. MECH. BHM0218 ISSUED FOR CAD CONVERSION						1-1-95	NA	NA	7	INCORP DCH 11						
N/A	N/A	11	INCORP. MECH. BHM0211						5-15-92	NA	NA	6	INCORPORATE DCH 11						
N/A	N/A	8	ISSUED FOR CONSTRUCTION						1-18-92	NA	NA	5	INCORPORATE DCH'S 8, 9 & 10						

BECHTEL ENERGY CORPORATION
HOUSTON, TEXAS
HOUSTON LIGHTING & POWER CO.
SOUTH TEXAS PROJECT

PIPE & INSTRUMENTATION DIAGRAM	DATE	NO.	REV.
HVAC DIESEL GENERATOR BUILDING	14028	SV13V00015 #1	12
NORMAL & EMERGENCY SYSTEM			

8908180084

PDR RIDS

