



EQUIPMENT NUMBERING INDEX

NO.	EQUIPMENT NUMBER	DESCRIPTION
01	3VWV 2001	CLEAN-UP FILTER UNIT (FAN IN)
02	3VWV 2002	UNIT (1) PRE-FILTER (FAN)
03	3VWV 2003	UNIT (2) HEPA FILTER (FAN)
04	3VWV 2004	UNIT (3) CARBON FILTER (FAN)
05	3VWV 2005	UNIT (4) HEPA FILTER (FAN)
06	3VWV 2006	CLEAN-UP FAN (TRAIN A) (FAN)
07	3VWV 2007	RETURN FAN (TRAIN A) (FAN)
08	3VWV 2008	KITCHEN/TOILET EXHAUST FAN (FAN)
09	3VWV 2009	CLEAN-UP FILTER UNIT (TRAIN C) (FAN)
10	3VWV 2010	UNIT (1) PRE-FILTER (FAN)
11	3VWV 2011	UNIT (2) HEPA FILTER (FAN)
12	3VWV 2012	UNIT (3) CARBON FILTER (FAN)
13	3VWV 2013	UNIT (4) HEPA FILTER (FAN)
14	3VWV 2014	CLEAN-UP FAN (TRAIN B) (FAN)
15	3VWV 2015	RETURN FAN (TRAIN B) (FAN)
16	3VWV 2016	KITCHEN/TOILET EXHAUST FAN (FAN)
17	3VWV 2017	CLEAN-UP FILTER UNIT (TRAIN C) (FAN)
18	3VWV 2018	UNIT (1) PRE-FILTER (FAN)
19	3VWV 2019	UNIT (2) HEPA FILTER (FAN)
20	3VWV 2020	UNIT (3) CARBON FILTER (FAN)
21	3VWV 2021	UNIT (4) HEPA FILTER (FAN)
22	3VWV 2022	CLEAN-UP FAN (TRAIN C) (FAN)
23	3VWV 2023	RETURN FAN (TRAIN C) (FAN)
24	3VWV 2024	KITCHEN/TOILET EXHAUST FAN (FAN)
25	3VWV 2025	AIR HANDLING UNIT (TRAIN A) (FAN)
26	3VWV 2026	UNIT (1) PRE-FILTER (FAN)
27	3VWV 2027	UNIT (2) HEPA FILTER (FAN)
28	3VWV 2028	UNIT (3) CARBON FILTER (FAN)
29	3VWV 2029	UNIT (4) HEPA FILTER (FAN)
30	3VWV 2030	CLEAN-UP FAN (TRAIN C) (FAN)
31	3VWV 2031	RETURN FAN (TRAIN C) (FAN)
32	3VWV 2032	KITCHEN/TOILET EXHAUST FAN (FAN)
33	3VWV 2033	AIR HANDLING UNIT (TRAIN B) (FAN)
34	3VWV 2034	UNIT (1) PRE-FILTER (FAN)
35	3VWV 2035	UNIT (2) HEPA FILTER (FAN)
36	3VWV 2036	UNIT (3) CARBON FILTER (FAN)
37	3VWV 2037	UNIT (4) HEPA FILTER (FAN)
38	3VWV 2038	CLEAN-UP FAN (TRAIN C) (FAN)
39	3VWV 2039	RETURN FAN (TRAIN C) (FAN)
40	3VWV 2040	KITCHEN/TOILET EXHAUST FAN (FAN)

NOTES:

1. ALL SYSTEMS SHOWN ARE SAFETY CLASS 3 EXCEPT THOSE INDICATED OTHERWISE.
2. ALL EQUIPMENT SHOWN ARE DESIGNED TO MEET QUALITY CLASS 3 REQUIREMENTS.
3. ALL EQUIPMENT NUMBER PREFIXES WILL BE 3VWV.
4. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR "S".
5. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATE GROUP "M" UNLESS OTHERWISE NOTED AT A CLOCK POSITION.
6. INSTRUMENTS MARKED WITH AN "A" ARE SUPPLIED BY THE CORRESPONDING EQUIPMENT VENDOR.
7. ROOM NUMBERS ARE AS SHOWN ON ARCHITECTURAL DRAWINGS & DELETED.
8. RETURN DAMPERS DA249.250 & 251 REMAIN PARTLY OPEN IN FC MODE.
9. ALL AIR FLOW CPUS SHOWN ARE AT STANDARD CONDITIONS.
10. ALL EQUIPMENT DRAINS SHOWN ARE 2" SIZE UNLESS OTHERWISE NOTED.
11. ALL OUTSIDE AIR SUPPLY EXHAUST AIR & SMOKE PURGE EXHAUSTS ARE GRADE +1.0 FT.
12. ALL INSTRUMENTATIONS WILL BE DISPLAYED ON THE LOCAL FIRE CONTROL PANEL & RETROFITTED TO A CH DISPLAY IN THE CONTROL ROOM.
13. ALL FIRE PROTECTION PIPING IS QUALITY CLASS 7.
14. COORDINATE GRAIN LINES ARE OF PVC PIPE UNLESS OTHERWISE NOTED.
15. GRAIN LINES ARE TO BE FIELD PAINTED TO THE FLOOR DRAIN OR SUMP AS SHOWN.
16. THE DRYER AIR MAKE UP DURING NORMAL OPERATION WILL NOT EXCEED 5000 CFM UNLESS OTHERWISE NOTED. KEEP DRYER AIR CONCENTRATION IN THE ENVELOPE BELOW CRITICAL LEVELS IN CASE OF UNEXPECTED TOXIC GASES IN THE DRYER AIR.
17. RETURN AND TOILET EXHAUST FAN IS IN THE CENTRIFUGAL TYPE WITH BELT DRIVE.
18. FOR ACTUAL AIR QUANTITIES SEE THE AS-BUILT COMBUSTION SHOWS ON THE FURNACE AIR BLENDING REPORT LAMP 01-0000-IN FOR UNIT 2.

10	12/15	EDITORIAL CHANGES (CP = 94-3242)
11	12/15	REVISED FOR CONSTRUCTION
12	12/15	REVISED FOR CONSTRUCTION
13	12/15	REVISED FOR CONSTRUCTION
14	12/15	REVISED FOR CONSTRUCTION

NO.	DATE	BY	CHK	REV	NO.	DATE	BY	CHK	REV	NO.	DATE	BY	CHK	REV

HOUSTON LIGHTING & POWER COMPANY
SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION

PROJECT	5V119V250048
DRAWING NO.	5V119V250048-02
DATE	09/22/1997
PRIORITY	15

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