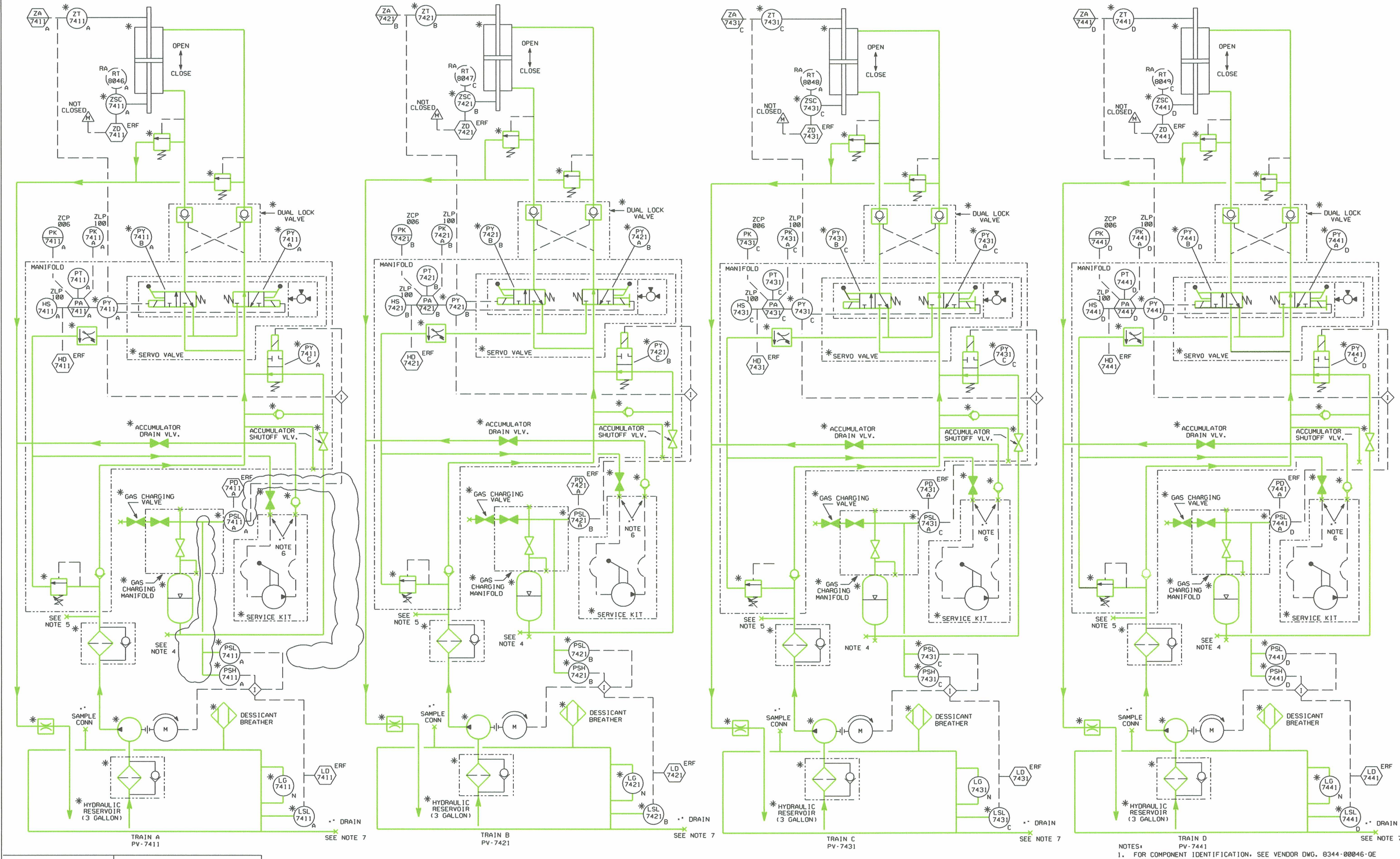

DOUBLE ACTING CYLINDER

PLUGGED CONNECTION

SOLENOID VALVE

DESSICANT BREATHER

FILTER/ INTERNAL BYPASS

GAS CHARGED ACCUMULATOR

HAND OPERATED PUMP

ELECTRIC MOTOR DRIVEN PUMP

PRESSURE COMPENSATED- (ADJUSTABLE) FLOW RESTRICTOR

FILTER/ STRAINER

RELIEF VALVE (ADJUSTABLE)

RELIEF VALVE

FLOW RESTRICTOR

SOLENOID VALVE MANUAL OVERRIDE

PILOT OPERATED CHECK VALVE

ELECTRO-HYDRAULIC SERVO VALVE

NOTES:

1. FOR COMPONENT IDENTIFICATION, SEE VENDOR DWG. 8344-00046-OE AND BILL OF MATERIALS 8344-00058-OE.
2. ALL INSTRUMENTS ON THIS DIAGRAM HAVE SYSTEM DESIGNATOR "MS" UNLESS OTHERWISE NOTED AND ARE PREFIXED BY UNIT NO. "2".
3. SEE DWGS 9A310F00001 AND 9A310F00002 FOR ALL PIPING AND INSTRUMENT SYMBOLS NOT DEFINED ON THIS DWG.
4. TEST GAUGE PORT WITH PLUG - *" TUBE SIZE.
5. TEST GAUGE PORT WITH CAP - *" TUBE SIZE (SWAGELOK COMPRESSION FITTING END)
6. *" NPT PLUG INSTALLED.
7. FOR AN ALTERNATE DESIGN, A GLOBE VALVE CAN BE USED.

D219

LR BOUNDARY DRAWING NO.	REV.
LR-STP-MS-5S102Z51002	0

NO.	ISSUE DATE	REVISION	BY	CKR	RE	DV	NA	SE	PE
4	6-17-97	INCORP. DCN 9606235.	SIGNATURES ON FILE						
3	5-21-97	INCORP. DCN 9701924	SIGNATURES ON FILE						
2	10-22-96	INCORP. DCN 9605676	SIGNATURES ON FILE						
1	01-08-93	INCORP. ECN 91-J-018G	SIGNATURES ON FILE						
0	01-29-92	ISSUED FOR CONSTRUCTION. SUPERSEDES DWG. 5S109Z50002 *2 AND INC. DCN JD-1211 FROM 5S109Z50002 *2	SIGNATURES ON FILE						
6		INCORP. DCN 96-06220	LDD						
5	7-17-97	INCORP. DCN 9606265 AND 9606250.	SIGNATURES ON FILE						

HOUSTON LIGHTING & POWER COMPANY
SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION

MAIN STEAM
POWER OPERATED RELIEF
VALVE-HYDRAULIC SYSTEM

SCALE	DWG. NO.	REV.
NONE	5S102Z51002	6

RMSECM NO. 5S102Z51002 | PRIORITY 1 | CADD D.C. NO. D070928 | F0148.061

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

E | F | G | H

A | B | C | D