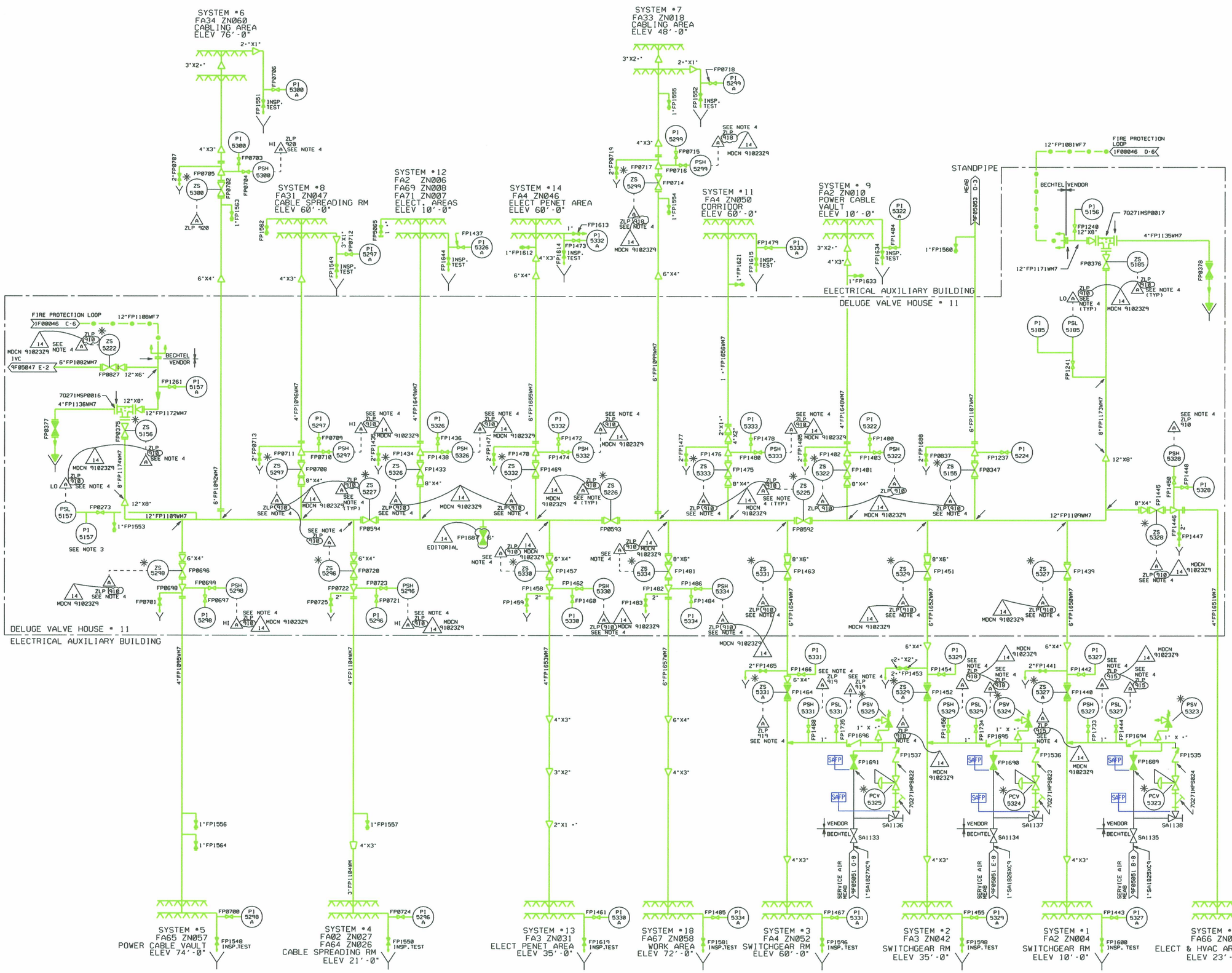

NOTES:

1. PIPING MATERIAL BY OTHERS TO BE IN ACCORDANCE WITH SPEC. "WM".
2. ALL INSTRUMENTS ON THIS DIAGRAM ARE PREFIXED BY THE UNIT NUMBER 1 UNLESS OTHERWISE NOTED. SEE NOTE D ON 9A310F00002.
3. PRESSURE GAUGE TO BE INSTALLED AT THE HIGH POINT OF THE LINE.
4. ALL ANNUNCIATORS WILL BE DISPLAYED ON THE LOCAL FIRE CONTROL PANEL AND RETRANSMITTED THRU THE FIRE PROTECTION DATA ACQUISITION SYSTEM TO A CRT DISPLAY IN THE CONTROL ROOM. (REFER TO VENDOR MANUAL ST401206-00005-2Y FOR SPECIFIC DETAILS. 14 MDCN 910239
5. ALL GAUGES & SWITCHES WILL BE SUPPLIED BY BECHTEL. AND INSTALLED BY SYSTEM CONTRACTOR. CONNECTIONS FOR GAUGES SHALL BE 1/4" MNPT AND CONNECTIONS FOR SWITCHES SHALL BE 1/2" MNPT. UNLESS OTHERWISE NOTED.
6. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR FP.
7. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP N.
8. UNLESS OTHERWISE NOTED. UNIT 1 IS SHOWN ON THIS P&ID. FOR APPLICATION OF THIS P&ID TO UNIT 2. USE UNIT 2 IDENTIFICATION NUMBERS FOR PIPING, VALVES, INSTRUMENTS, EQUIPMENT, ETC. REFER TO DRAWING'S 9A310F00001 AND 9A310F00002 FOR IDENTIFICATION NUMBER DETAILS
9. WHEN APPLYING THIS P&ID TO UNIT 2 CHANGE ALL UNIT DESIGNATORS OF "1" IN CROSS REFERENCE ARROWS TO "2".
10. LINE SIZES DOWNSTREAM OF THE SPRINKLER SYSTEM ISOLATION VALVES SHALL BE DETERMINED BY THE VENDOR.
11. FOR VALVE TRIM DETAILS AND PIPING CONFIGURATION SEE ASC0A DRAWING. FOR TRIM VALVE NUMBERS. SEE DWG. 7027 1F05064.

VALVE NO.	TRIM DWG.	PIPING DWG.
FP1440	NA	00151
FP1452	NA	00152
FP1464	NA	00153
FP0722	00170	00121
FP0698	00170	00122
FP0705	00170	00091
FP0717	00170	00089
FP0711	00170	00090
FP1402	00170	00127
FP1446	00170	00175
FP1476	00170	00177
FP1434	00170	00176
FP1458	00170	00212
FP1470	00171	00177
FP1482	00171	00196

12. ALL "FP" VALVES TO BE PRECEDED BY LETTER "X".
13. DRAINS AND INSPECTOR TEST CONNECTIONS MAY BE ADAPTED TO CONTROL DISCHARGED WATER. THESE MAY BE AS SHOWN ON P&ID'S OR MAY BE THREADED AND/OR FITTED WITH A HOSE CONNECTION TO FACILITATE TESTING IN ACCORDANCE WITH NFPA 13.
14. SYSTEM STRAINER DRAIN VALVES MAY BE EQUIPPED WITH A BLIND FLANGE ON THE DISCHARGE SIDE.

LR NOTES:

1. ALL COMPONENTS HIGHLIGHTED IN GREEN ARE IN SCOPE FOR A(3) CONSIDERATIONS.

D133

LR BOUNDRY DRAWING NO.	REV.
LR-STP-FP-7Q279F05049#1	0B

NO.	ISSUE DATE	REVISION	BY	CKR	RE	DV	NA	SE	PE
14		INCORP. MDCN 910239 AND EDITORIAL CHANGE TO CLOSE VALVE FP1687.	VJM						
13	3-2-95	INCORP. DCN 950299.	SIGNATURES ON FILE						
12	1-5-94	INCORP. PCF 118813A.	SIGNATURES ON FILE						
11	12-10-93	INCORP. DCN MD-2970.	SIGNATURES ON FILE						
0-10	1-26-87	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE						

HOUSTON LIGHTING & POWER COMPANY
SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION

PIPING AND INSTRUMENTATION DIAGRAM
DELUGE VALVE HOUSE NO. 11
FIRE PROTECTION

SCALE	DWG. NO.	REV.
NONE	7Q279F05049 #1	14

EDWG.DGN