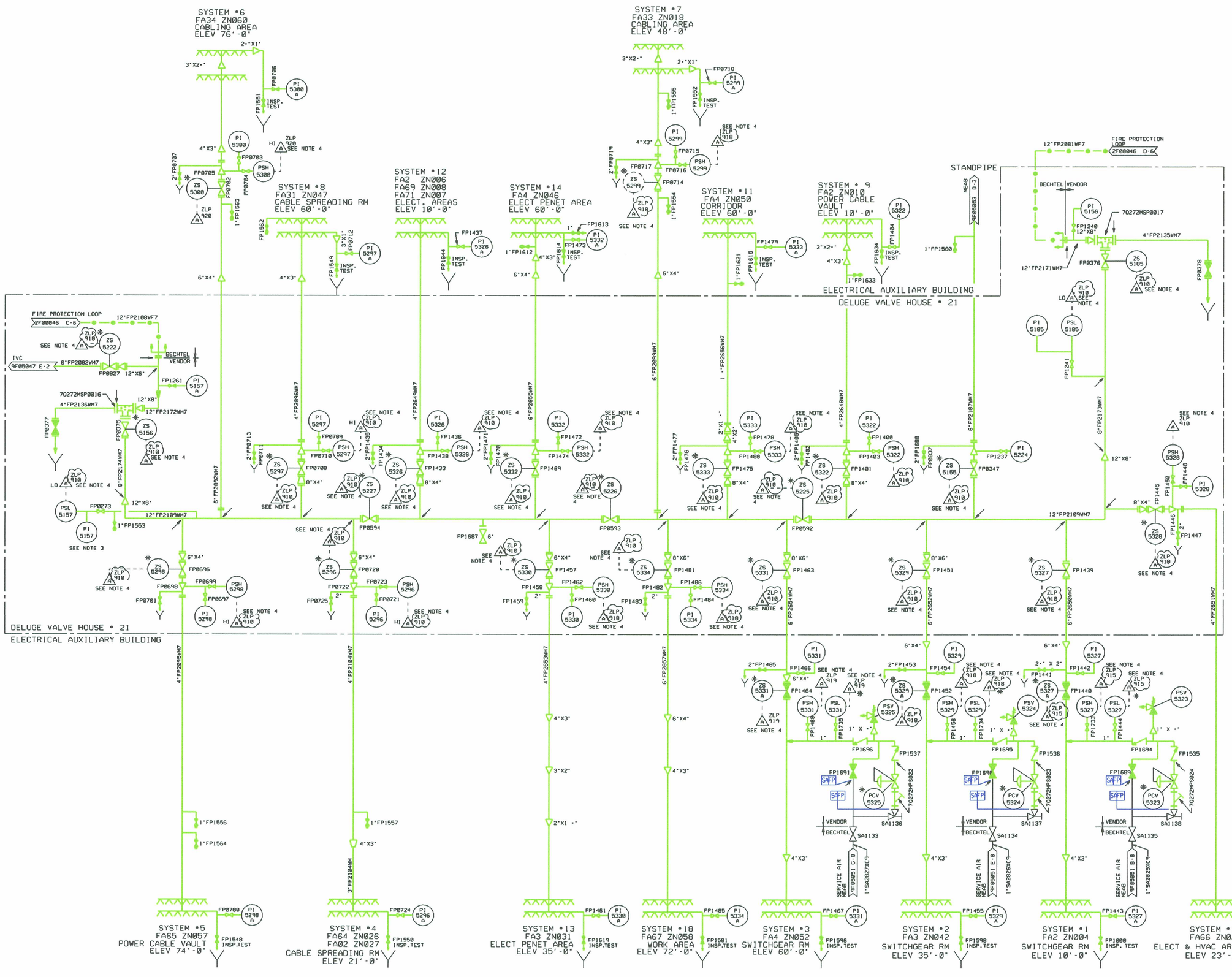


NOTES:

1. PIPING MATERIAL BY OTHERS TO BE IN ACCORDANCE WITH SPEC. "WM".
2. ALL INSTRUMENTS ON THIS DIAGRAM ARE PREFIXED BY THE UNIT NUMBER 2 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. (REF. TO V/M ST-401206-(02)-00037)2Y FOR SPECIFIC DETAILS.
5. ALL GAUGES & SWITCHES WILL BE SUPPLIED BY BECHTEL AND INSTALLED BY SYSTEM CONTRACTOR. CONNECTIONS FOR GAUGES SHALL BE "-" MNPT AND CONNECTIONS FOR SWITCHES SHALL BE "-" 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. REFERO DRAWING'S 9A310F00001 AND 9A310F00002 FOR IDENTIFICATION NUMBER DETAILS
9. DELETED
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 ASCOA DRAWINGS SHOWN BELOW. FOR TRIM VALVE NUMBERS, SEE DWG. 70272F05064.

| VALVE NO. | TRIM DWG. | PIPING DWG. |
|---|---|---|
| FP1440 | NA | 00185 |
| FP1452 | NA | 00186 |
| FP1464 | NA | 00187 |
| FP0722 | 00196 | 00165 |
| FP0698 | 00196 | 00166 |
| FP0705 | 00196 | 00135 |
| FP0717 | 00196 | 00133 |
| FP0711 | 00196 | 00134 |
| FP1402 | 00196 | 00171 |
| FP1446 | 00196 | 00201 |
| FP1476 | 00196 | 00203 |
| FP1434 | 00196 | 00202 |
| FP1458 | 00196 | 00230 |
| FP1470 | 00197 | 00203 |
| FP1482 | 00197 | 00214 |

12. ALL "FP" VALVES TO BE PRECEDED BY LETTER "X".
13. 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.

D134

| LR BOUNDARY DRAWING NO. | REV. |
|---|---|
| LR-STP-FP-7Q279F05049#2 | 0A |

| NO. | ISSUE DATE | REVISION | ORIG | CKR | RE | DV | SE |
|---|---|---|---|---|---|---|---|
| 14 | | INCORP. DCN 9604066. | VJM | | | | |
| 0-13 | 5-14-87 | ISSUED FOR CONSTRUCTION. | SIGNATURES ON FILE | | | | |

| NO. | ISSUE DATE | REVISION | ORIG | CKR | RE | DV | SE |
|---|---|---|---|---|---|---|---|

SOUTH TEXAS PROJECT
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| PRIORITY | RMSECM NO. | DOC.CTL.NO. | CADD FILE NO. |
|---|---|---|---|
| 1 | 7Q279F05049#2 | D070928 | FJA703.141 |

PIPING AND INSTRUMENTATION DIAGRAM
DELUGE VALVE HOUSE NO. 21
FIRE PROTECTION

| SCALE | DWG. NO. | REV. |
|---|---|---|
| NONE | 7Q279F05049#2 | 14 |

ESEED.DGN