CIRCUIT ANALYSIS WORKSHEET

Component ID: AOV-8879B Component Type: AOV

Component Description: Example 2

Normal Position: OPEN

Failed Electrical Position: CLOSED

Failed Air Position: CLOSED

Function State:

Initial Position: OPEN

Desired Position OPEN

BE Code: 8879B-FTRO

High Consequence Component Yes ☐ No ☒

Power Supplies: _____ Breaker: _____ Req'd ☐

_____ Breaker: _____ Req'd ☐

Cable Analysis:

Cable ID	Req'd ?	MHS ?	Fault Consequence	Comments

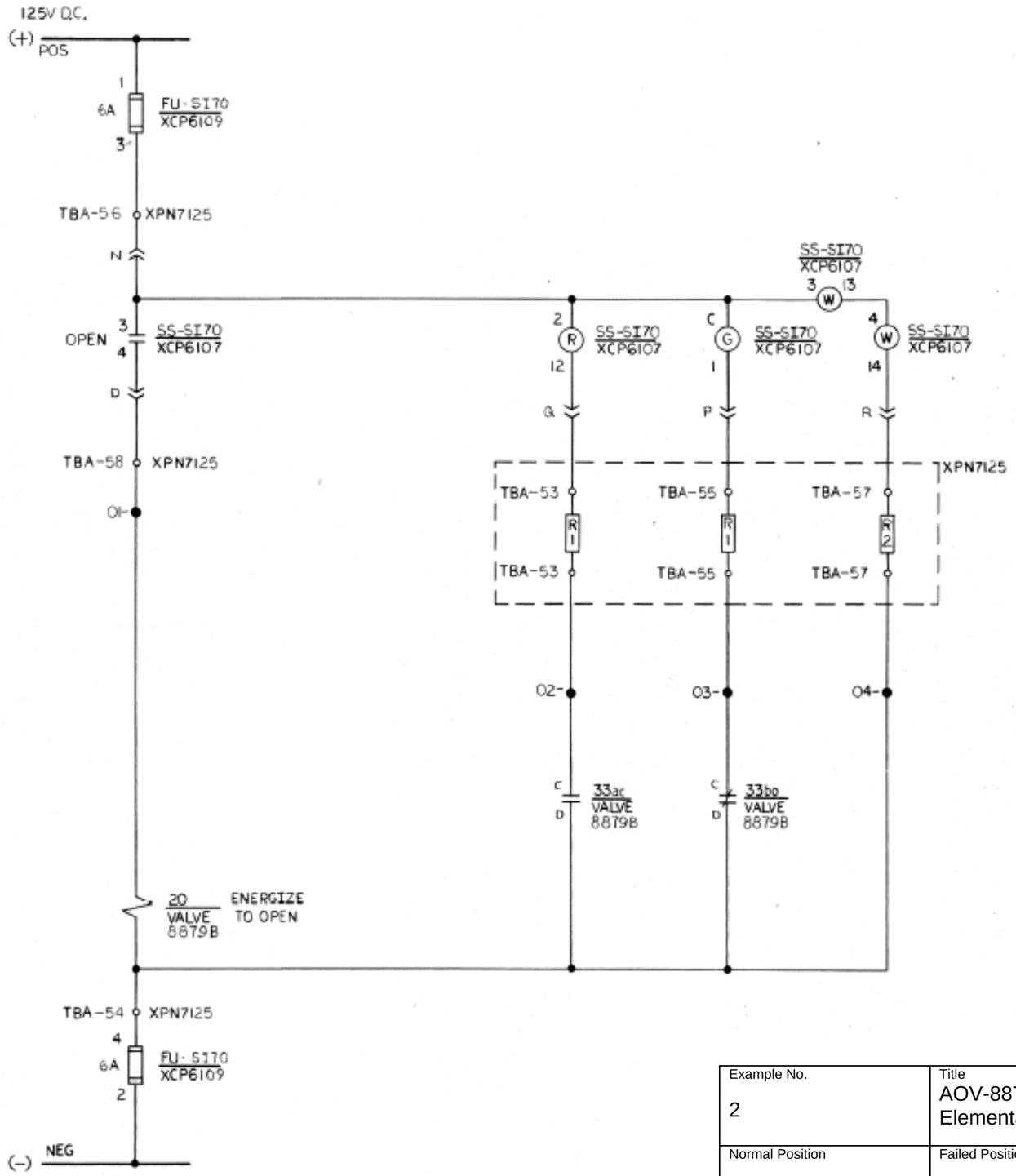
Cable ID	Req'd ?	MHS ?	Fault Consequence	Comments

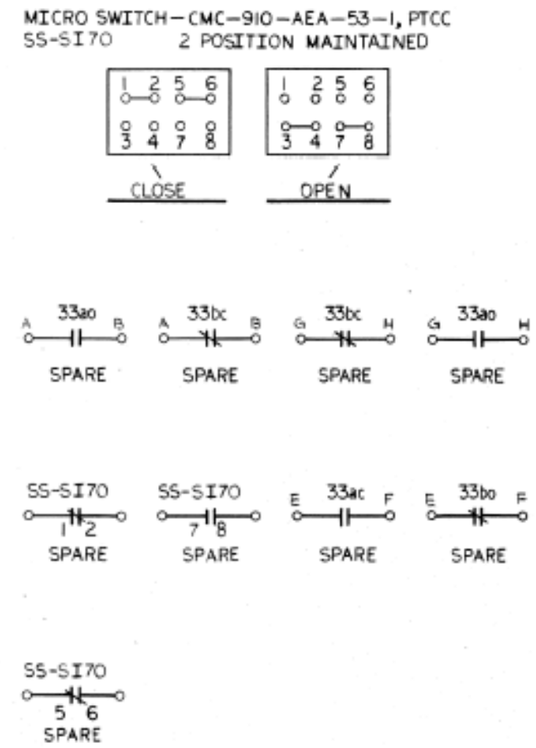
Equipment Dependencies:

Comments:

Fault Mode Likelihood Analysis:

Cable ID	Insulation	Raceway	6850 Table	No. Cond	Gnd Cond	Sources	Targets	P (x)





NOTES:

1. R1= 1950Ω- 20 WATTS, R2=1600Ω- 20 WATTS. RESISTORS TO BE MOUNTED ON BLANK TERMINALS.
2. FOR SS-SI70 PLUG IN MODULE CONNECTION DIAGRAM SEE DWG. IMS-28-140-54
3. FOR LIMIT SWITCH DEVELOPMENT SEE DWG. B-208-002, SHEET 01.

SEPARATION GROUP X
REF. (W) 271C622 SHEET 387
(IMS-41-012-387-1)

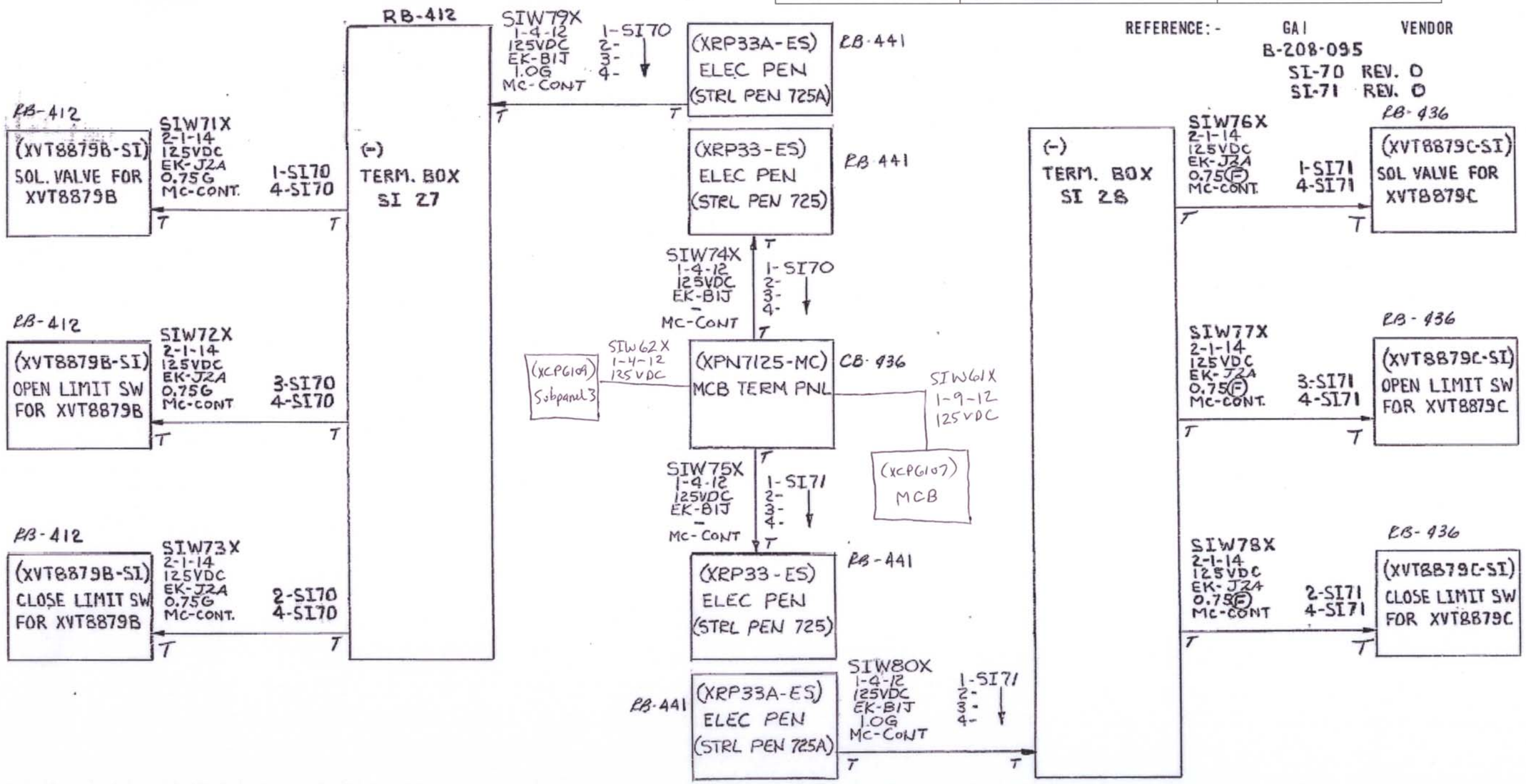
Example No.	Title	Drawing No.
2	AOV-8879B Elementary Diagram	E-2-1
Normal Position	**Failed Position**	**Function State**
OPEN	Elec: CLOSED Air: CLOSED	OPEN - OPEN

Example No.	Title	Drawing No.
2	AOV-8879B Block Diagram	E-2-2
Normal Position	**Failed Position**	**Function State**
OPEN	Elec: CLOSED Air: CLOSED	OPEN - OPEN

LEGEND:
- A - CIRCUIT NO.
- B - NO.COND.& WIRE SIZE
- C - VOLTS
- D - B/M ITEM
- E - CONDUIT SIZE
- F - NATURE OF CIRCUIT

FOR REFERENCE ONLY

G - WIRE MARKS



REFERENCE: - GAI VENDOR
B-208-095
SI-70 REV. 0
SI-71 REV. 0

BLANK CIRCUITS -
NEXT CIRCUIT - SIW81