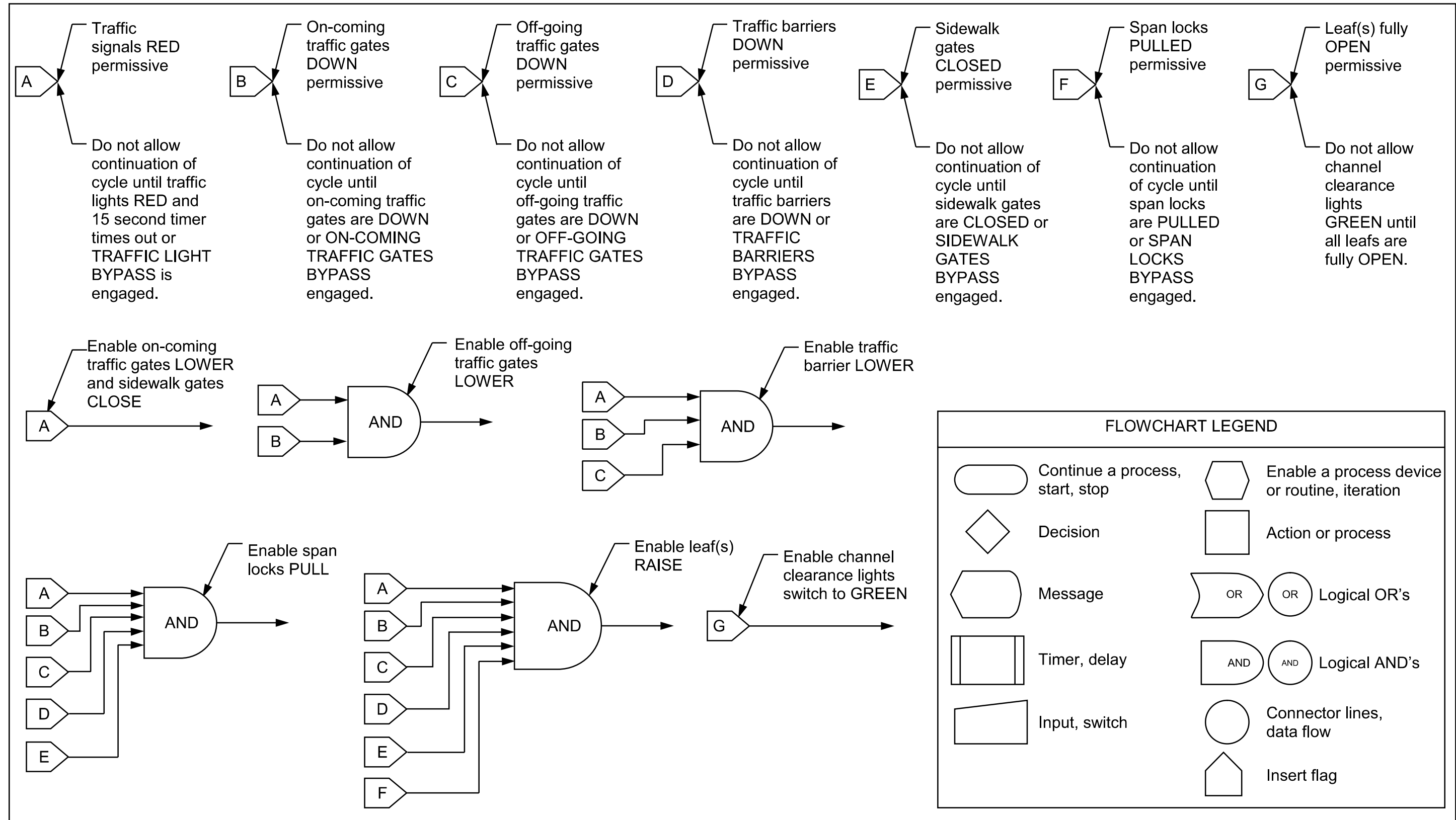
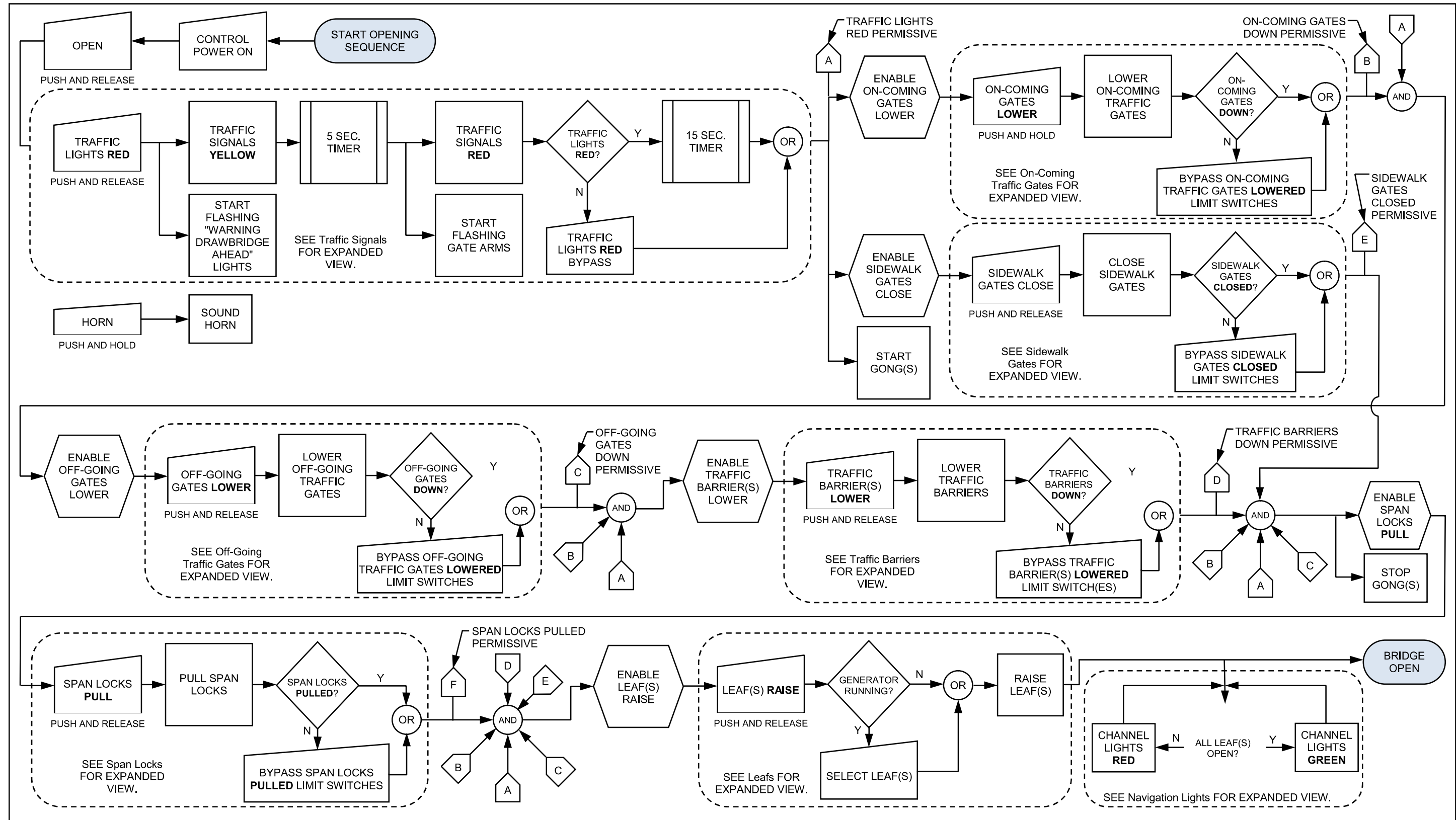


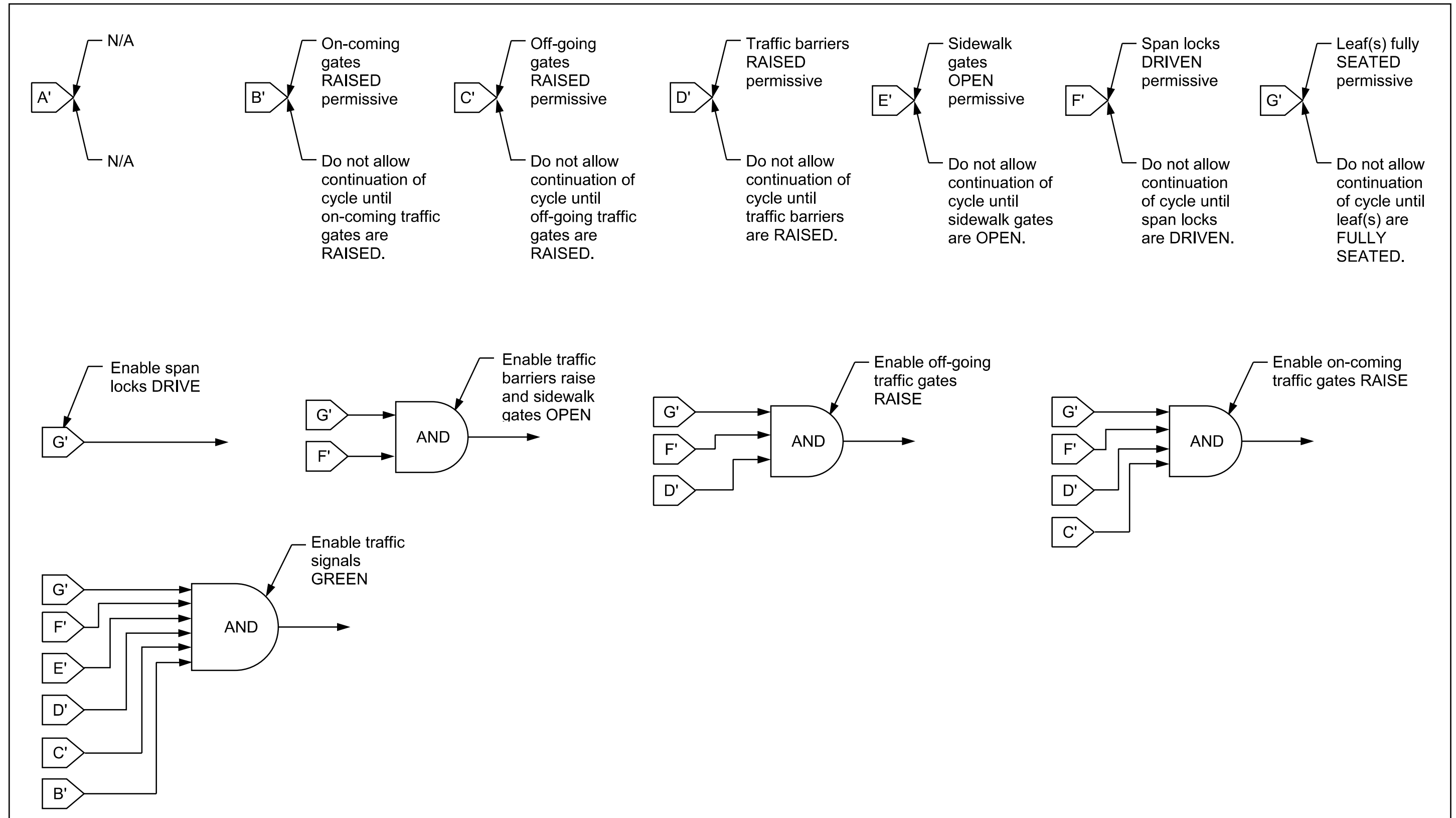
OPENING PERMISSIVES



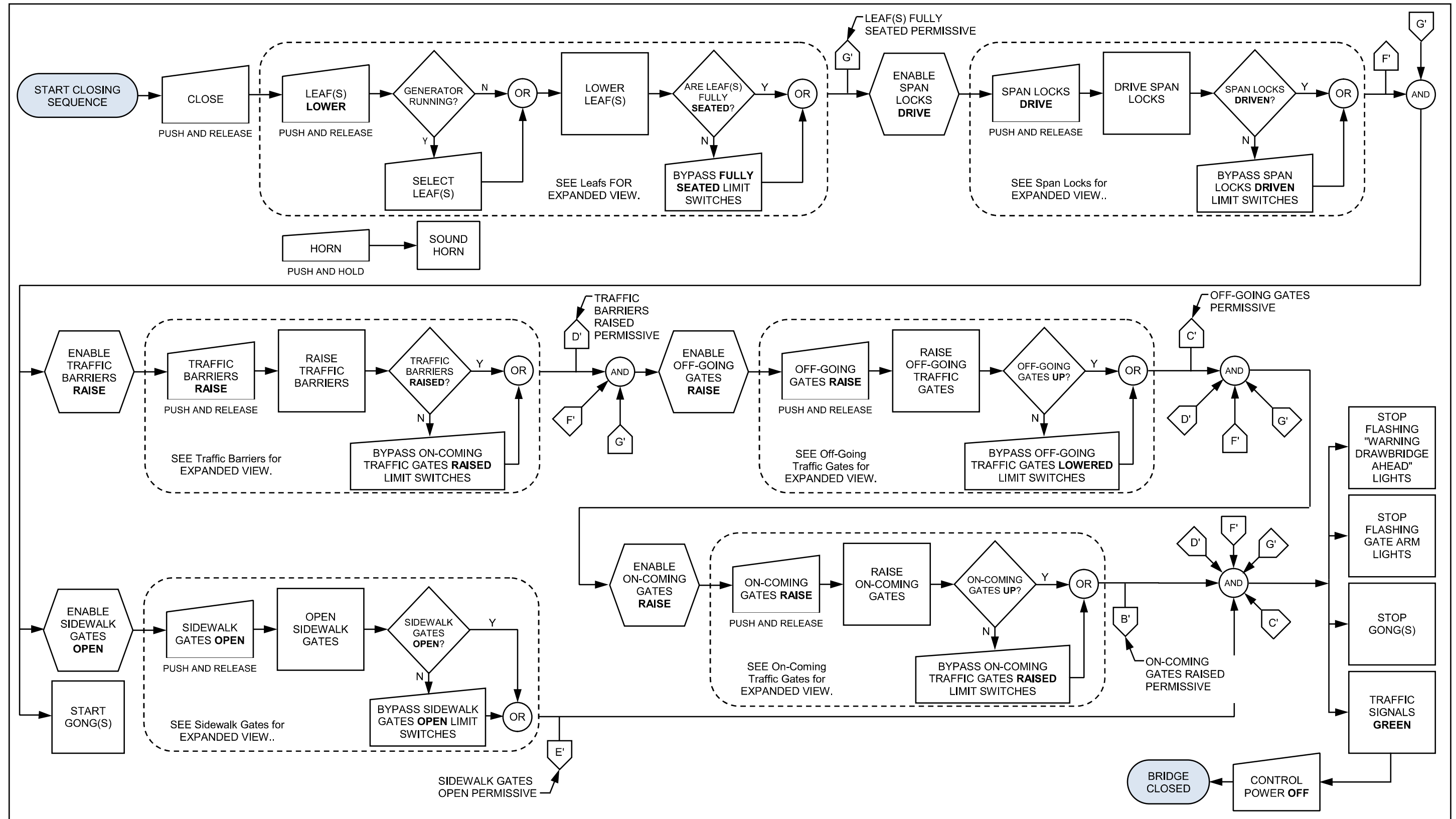
OPENING SEQUENCE



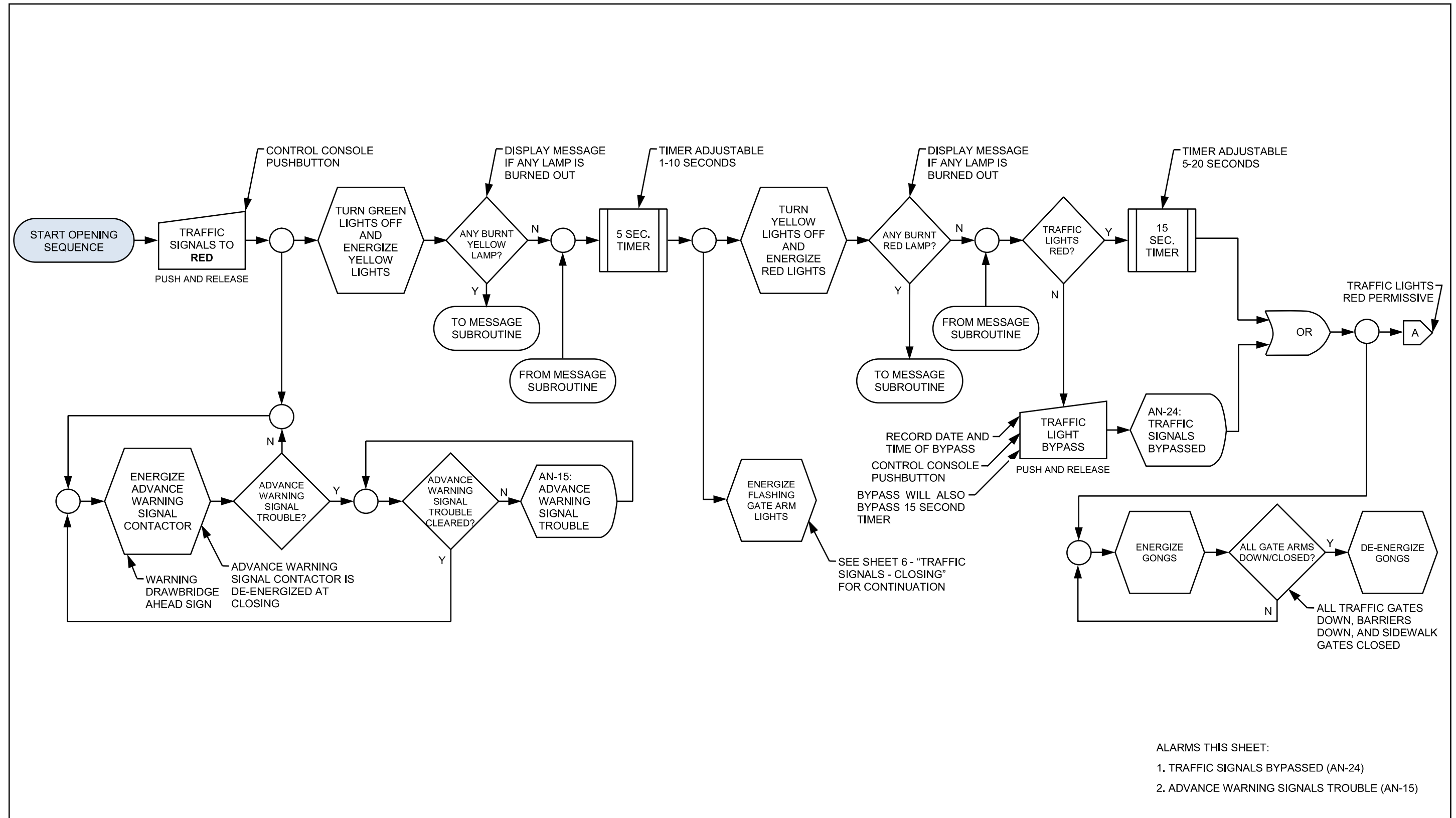
CLOSING PERMISSIVES



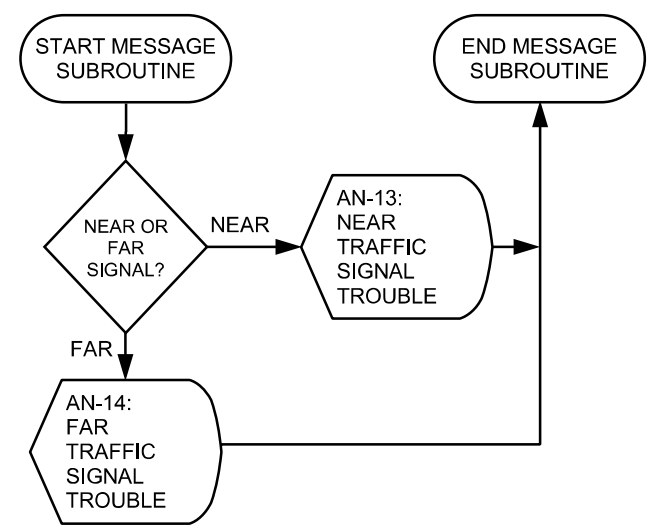
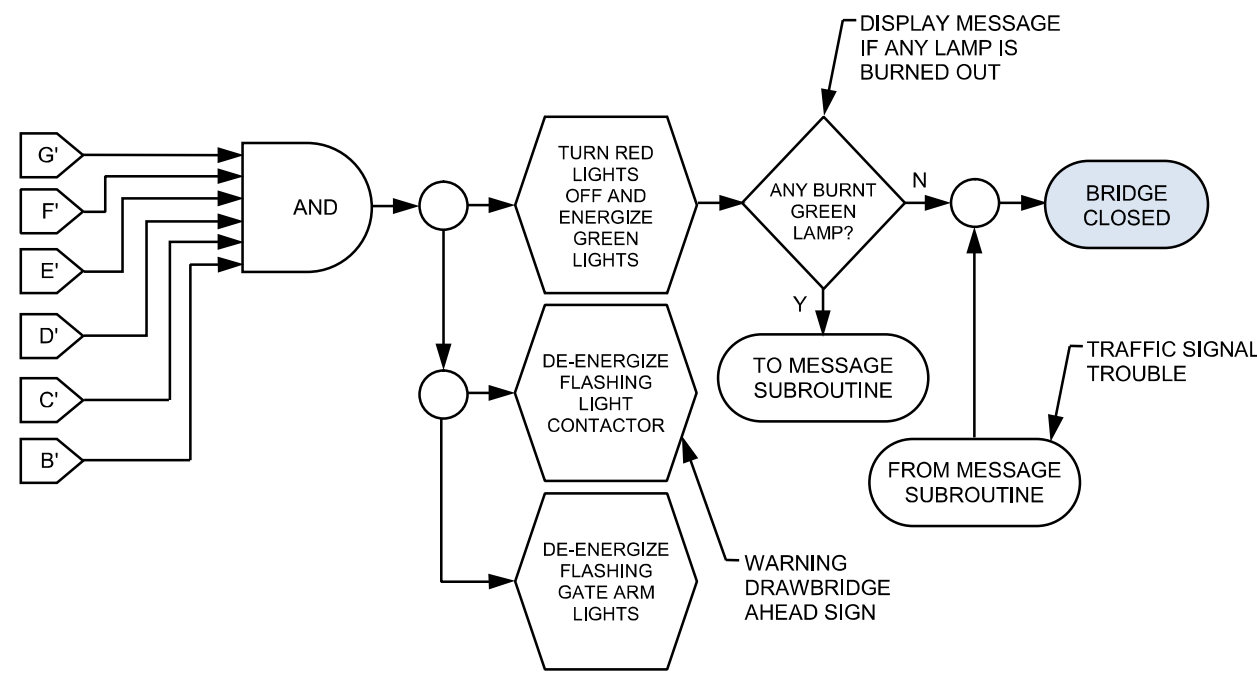
CLOSING SEQUENCE



TRAFFIC SIGNALS – OPENING



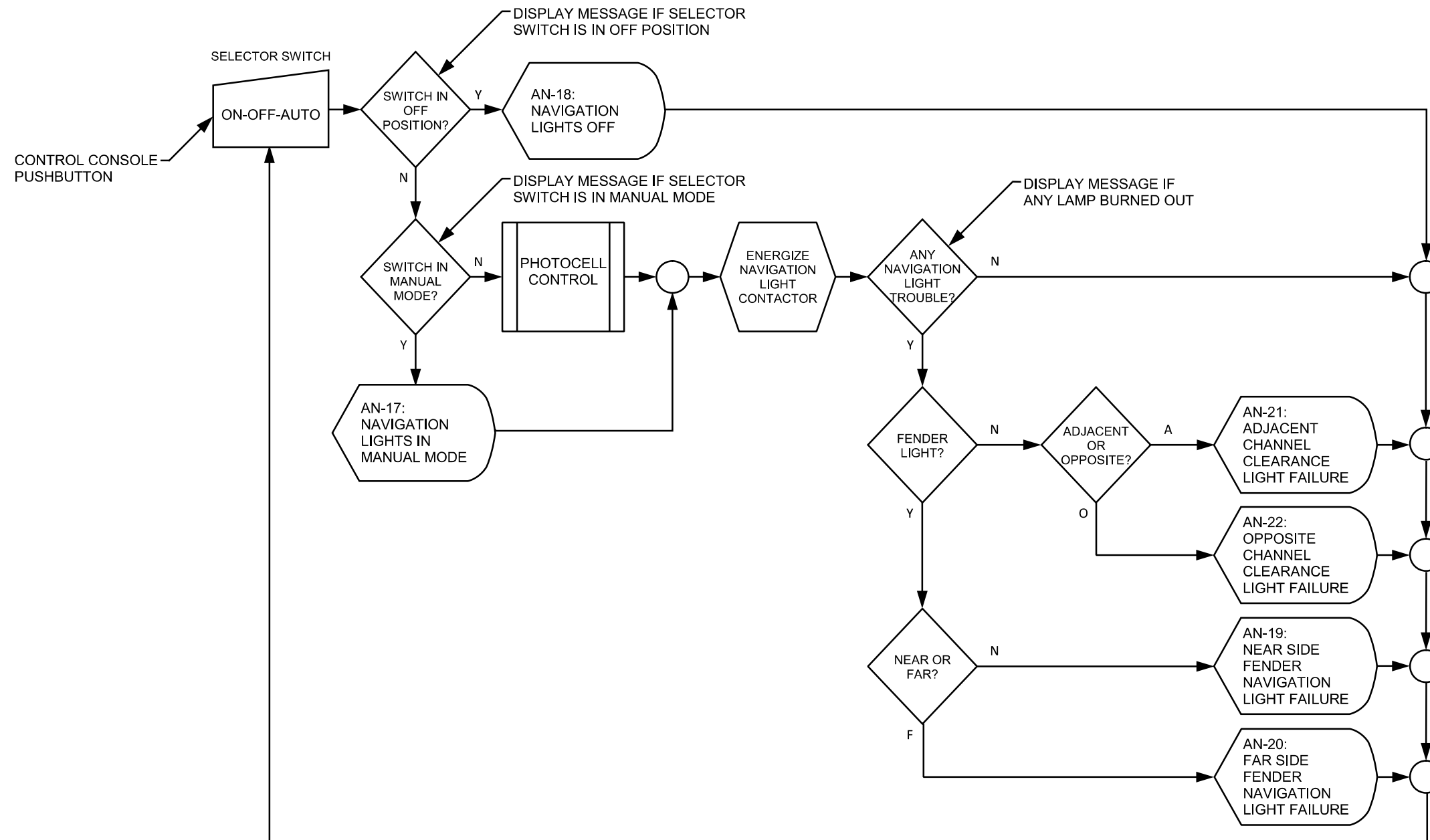
TRAFFIC SIGNALS – CLOSING



**MESSAGE SUBROUTINE
 (TRAFFIC SIGNAL TROUBLE)**

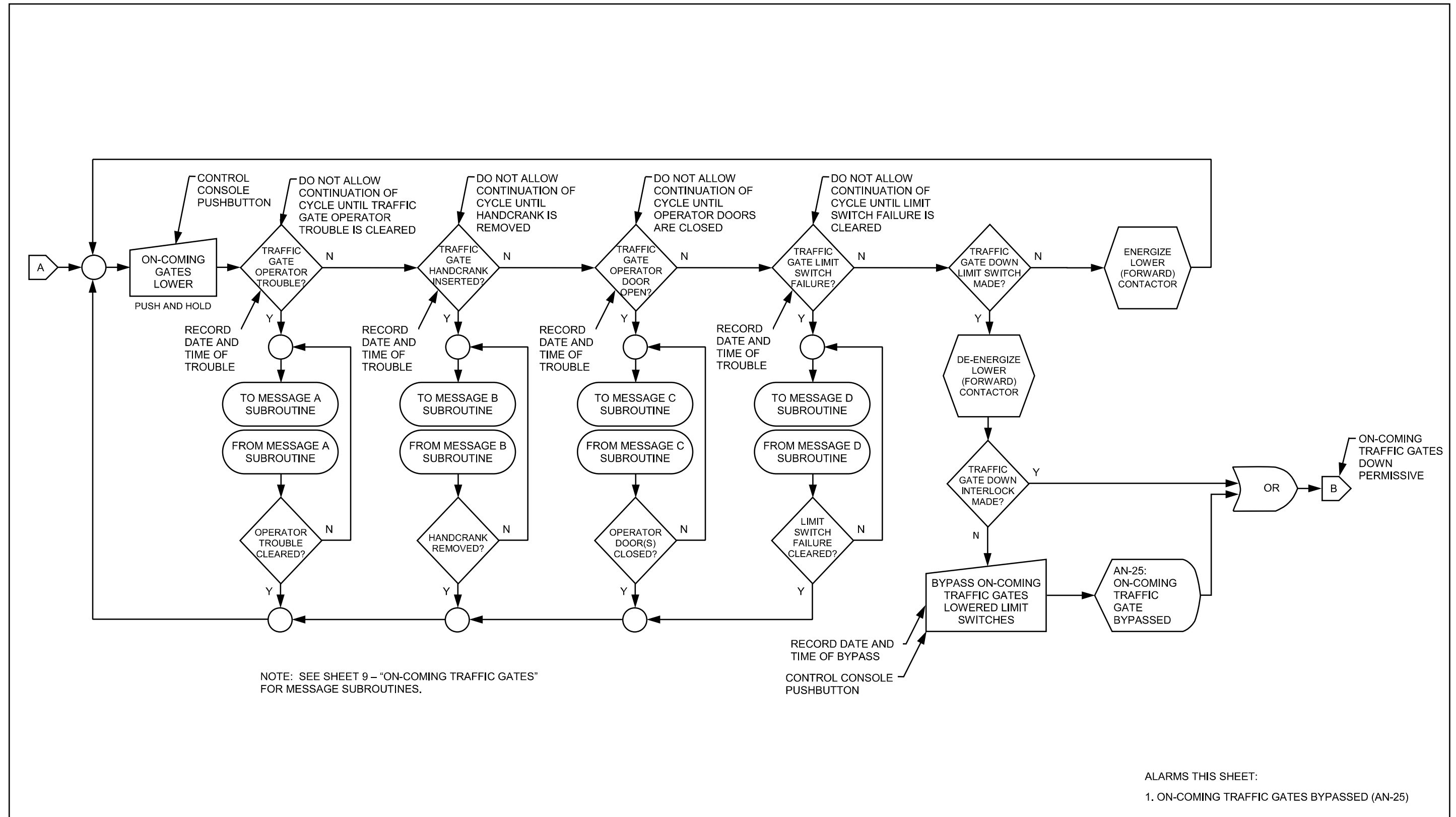
ALARMS THIS SHEET:
 1. TRAFFIC SIGNALS TROUBLE (AN-13, AN-14)

NAVIGATION LIGHTS

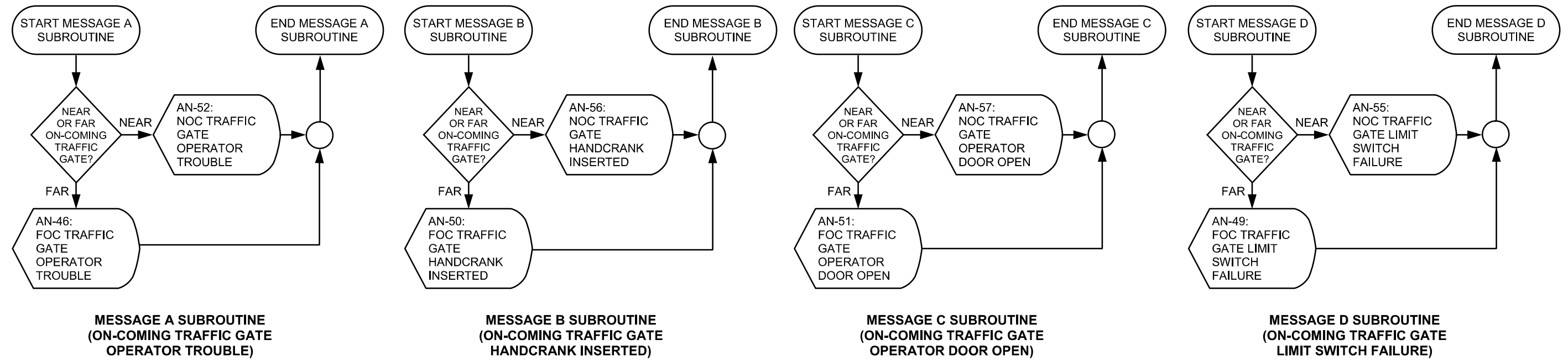


- ALARMS THIS SHEET:
1. NAVIGATION LIGHTS MODE (AN-17, AN-18)
 2. NAVIGATION FENDER LIGHTS FAILURE (AN-19, AN-20)
 3. CHANNEL CLEARANCE LIGHTS FAILURE (AN-21, AN-22)

ON-COMING TRAFFIC GATES – OPENING



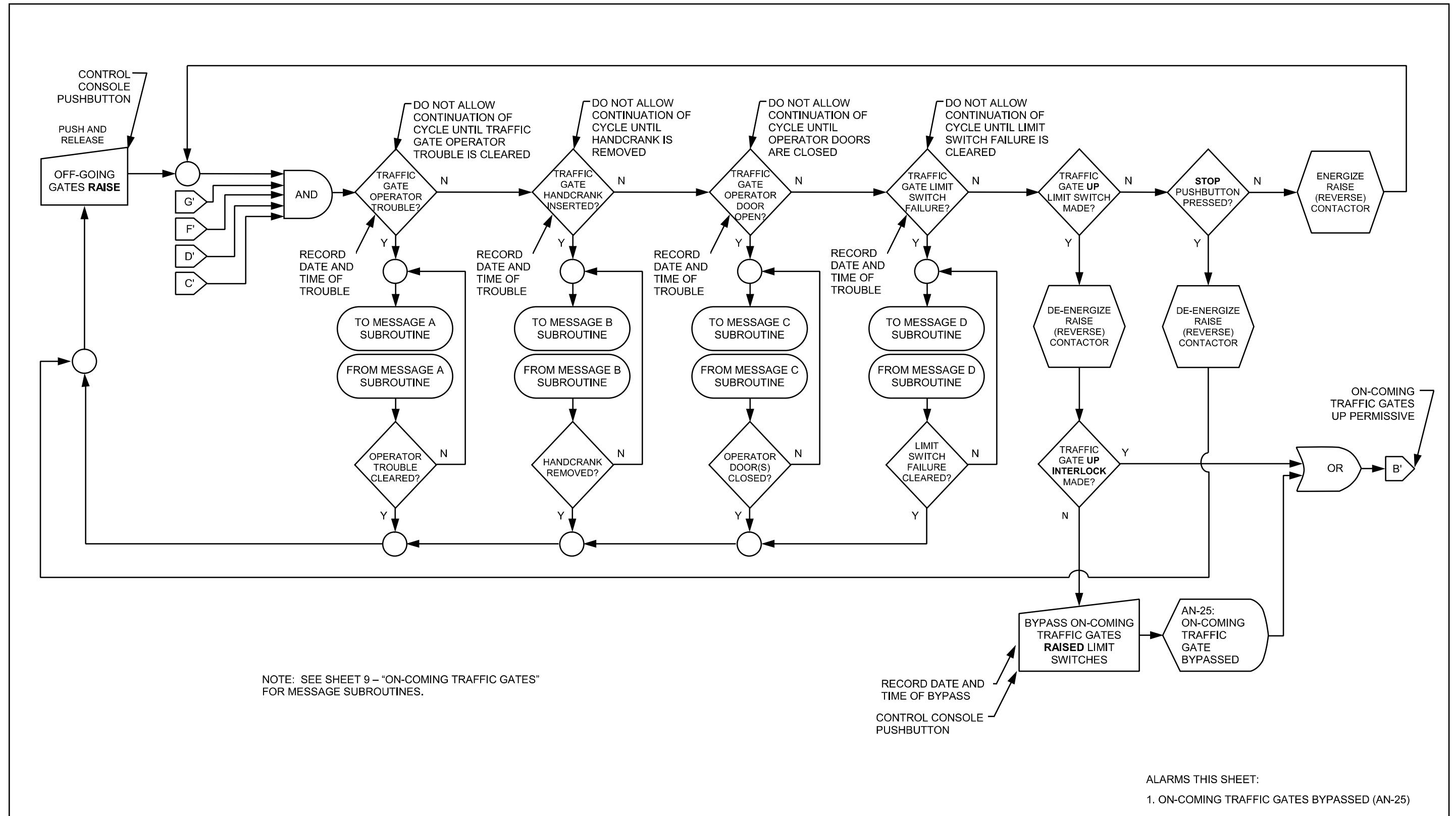
ON-COMING TRAFFIC GATES



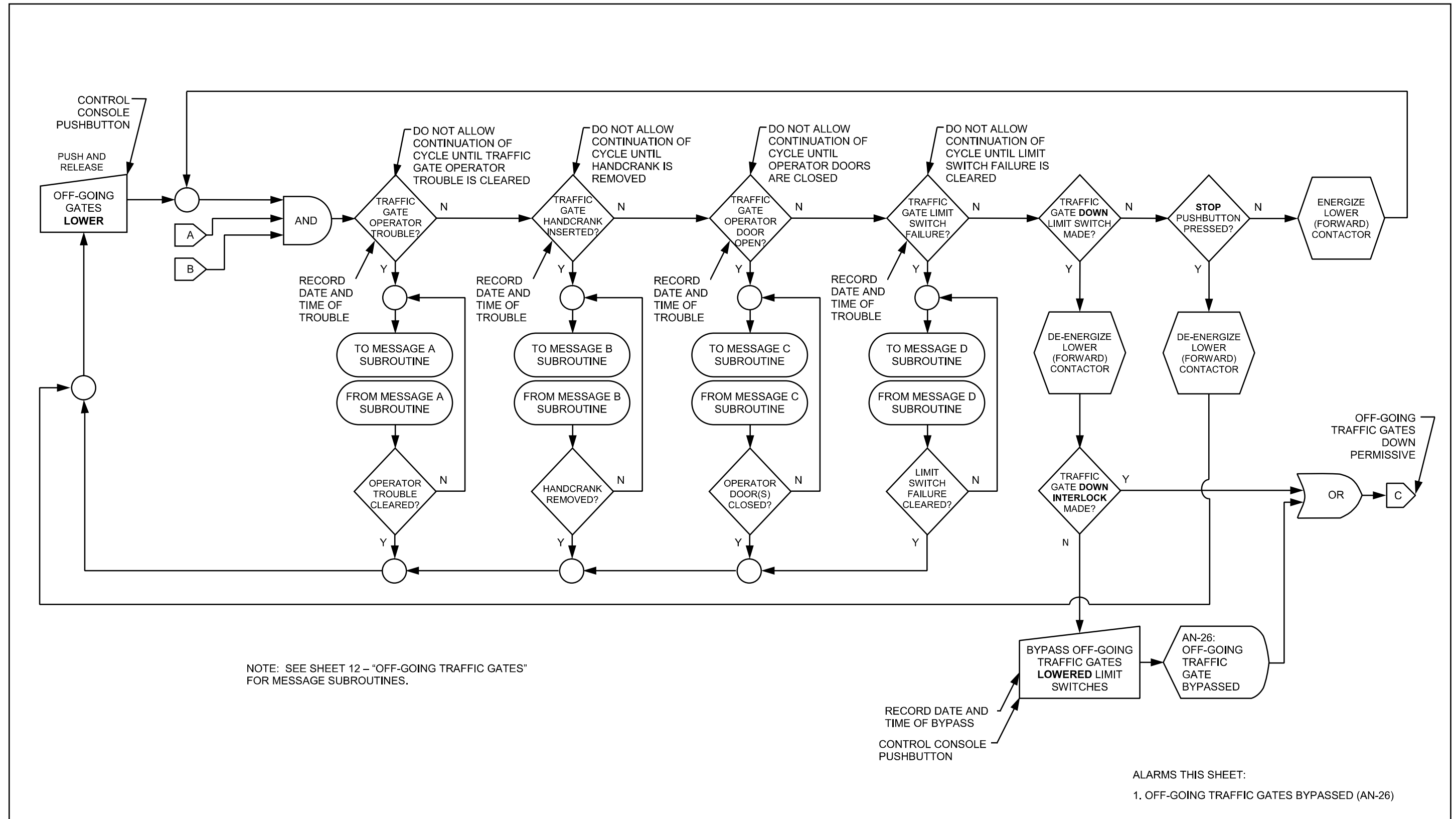
ALARMS THIS SHEET:

1. TRAFFIC GATE OPERATOR TROUBLE (AN-46, AN-52)
2. TRAFFIC GATE LIMIT SWITCH FAILURE (AN-49, AN-55)
3. TRAFFIC GATE OPERATOR DOOR OPEN (AN-51, AN-57)
4. TRAFFIC GATE HANDCRANK INSERTED (AN-50, AN-56)

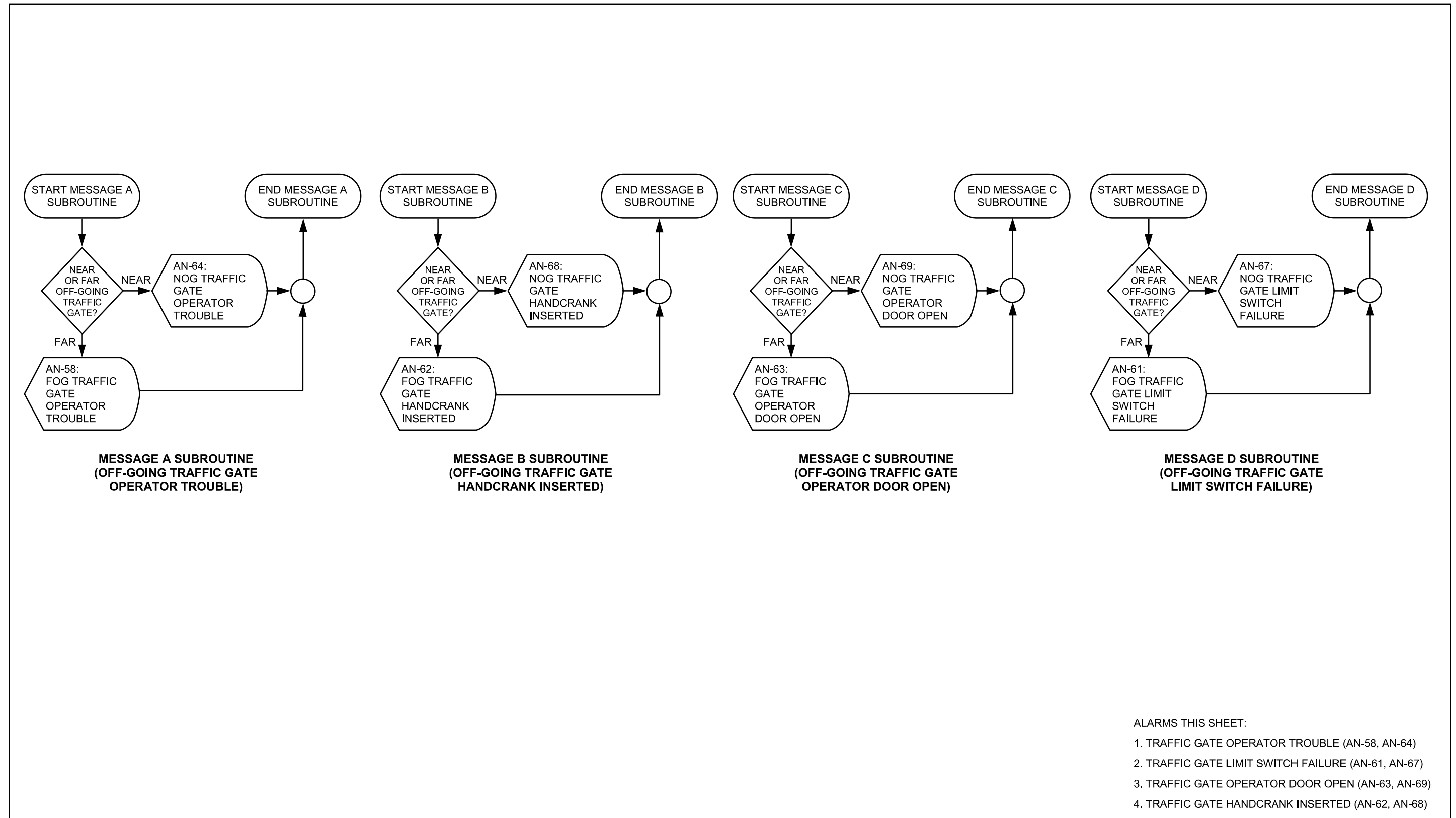
ON-COMING TRAFFIC GATES – CLOSING



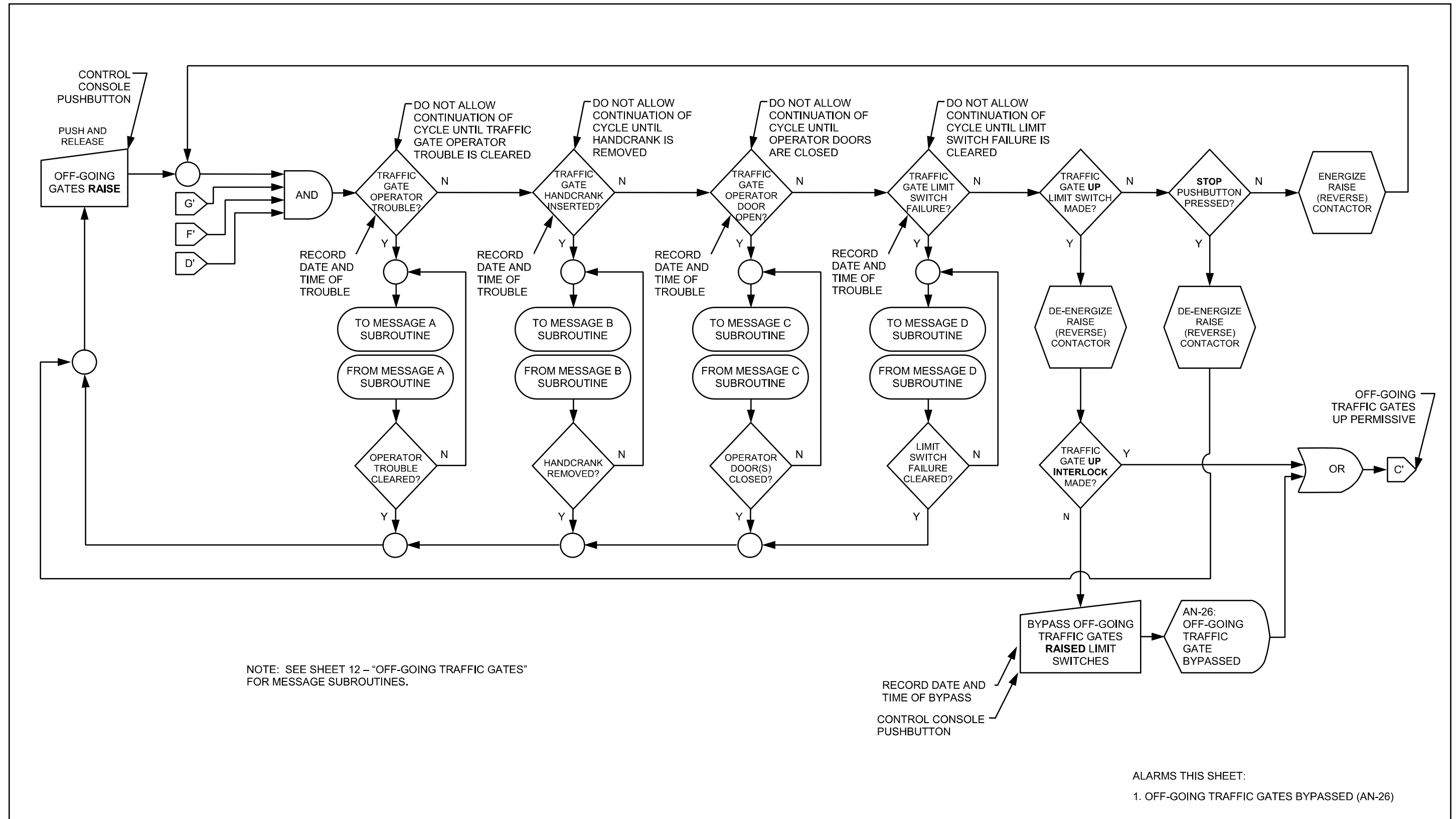
OFF – GOING TRAFFIC GATES – OPENING



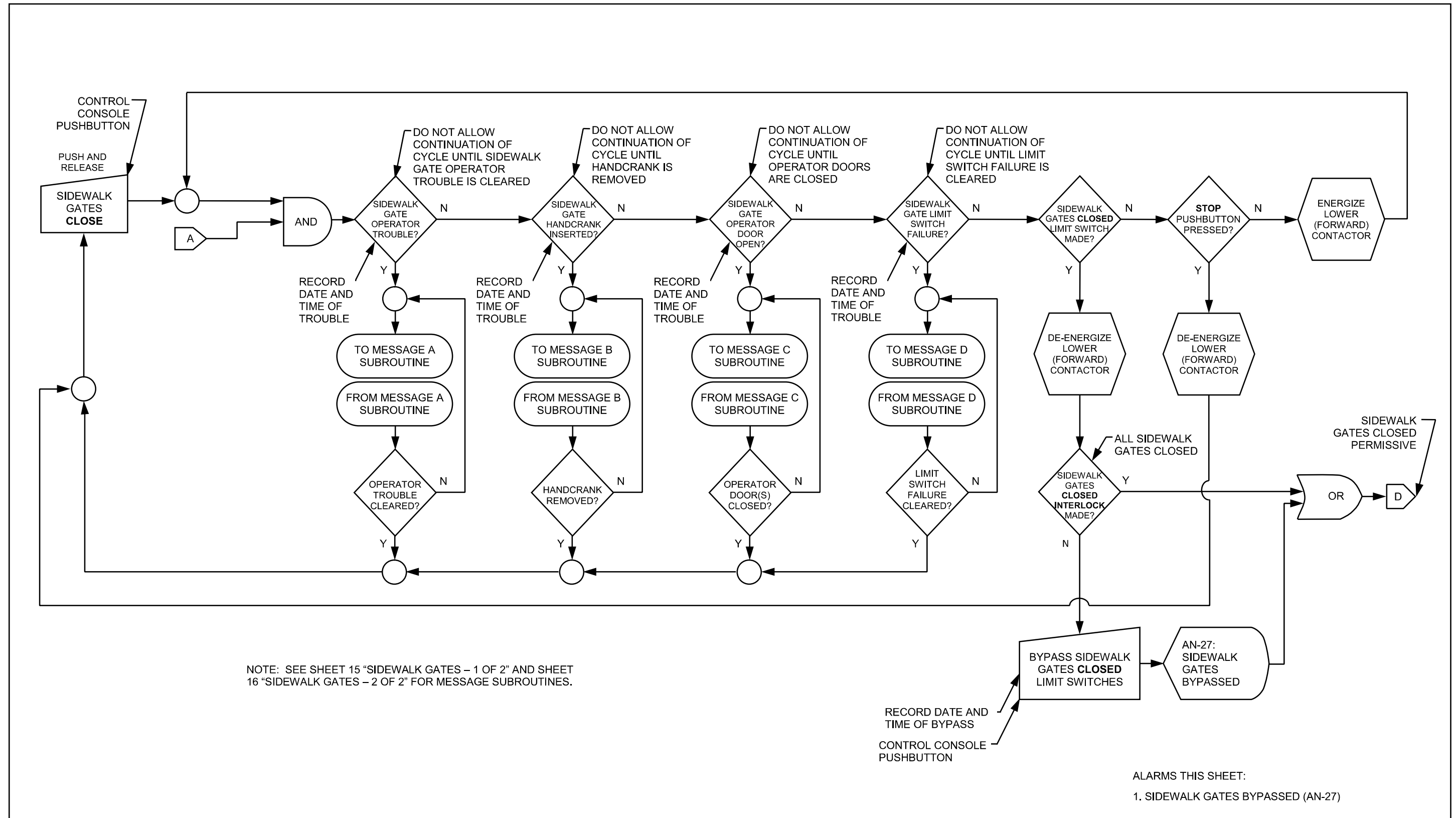
OFF – GOING TRAFFIC GATES



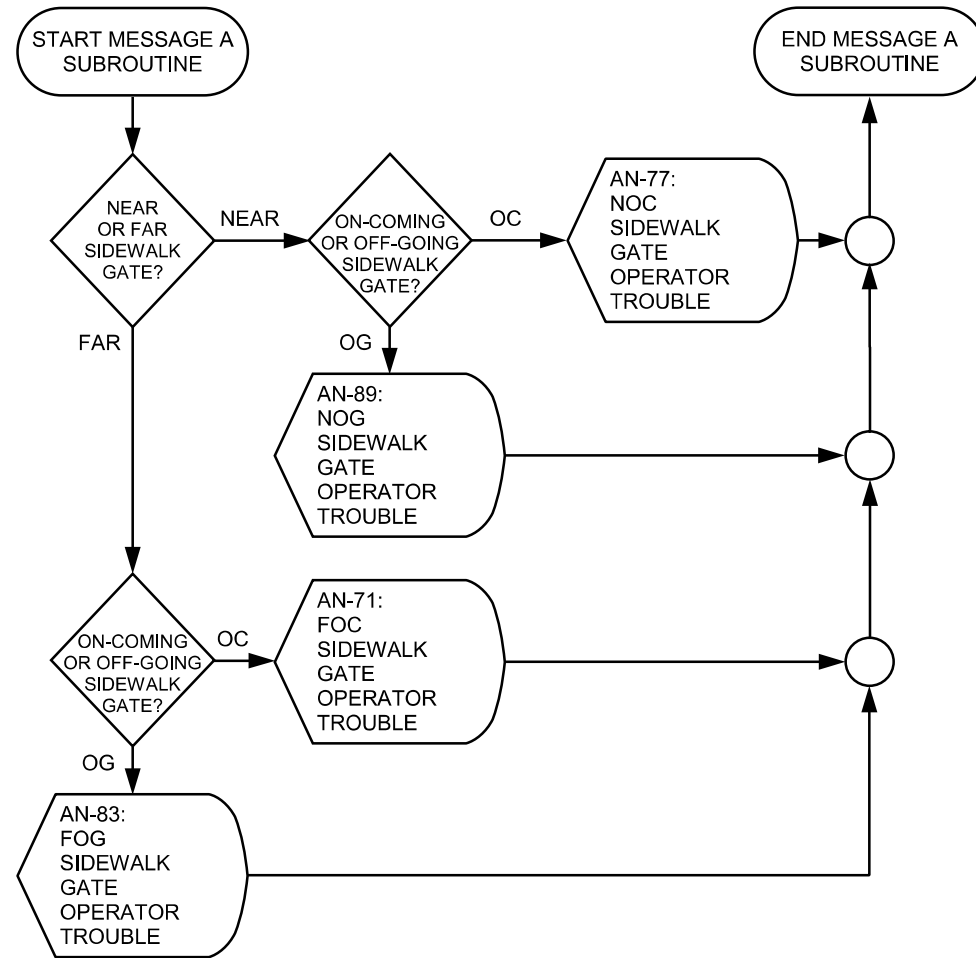
OFF – GOING TRAFFIC GATES – CLOSING



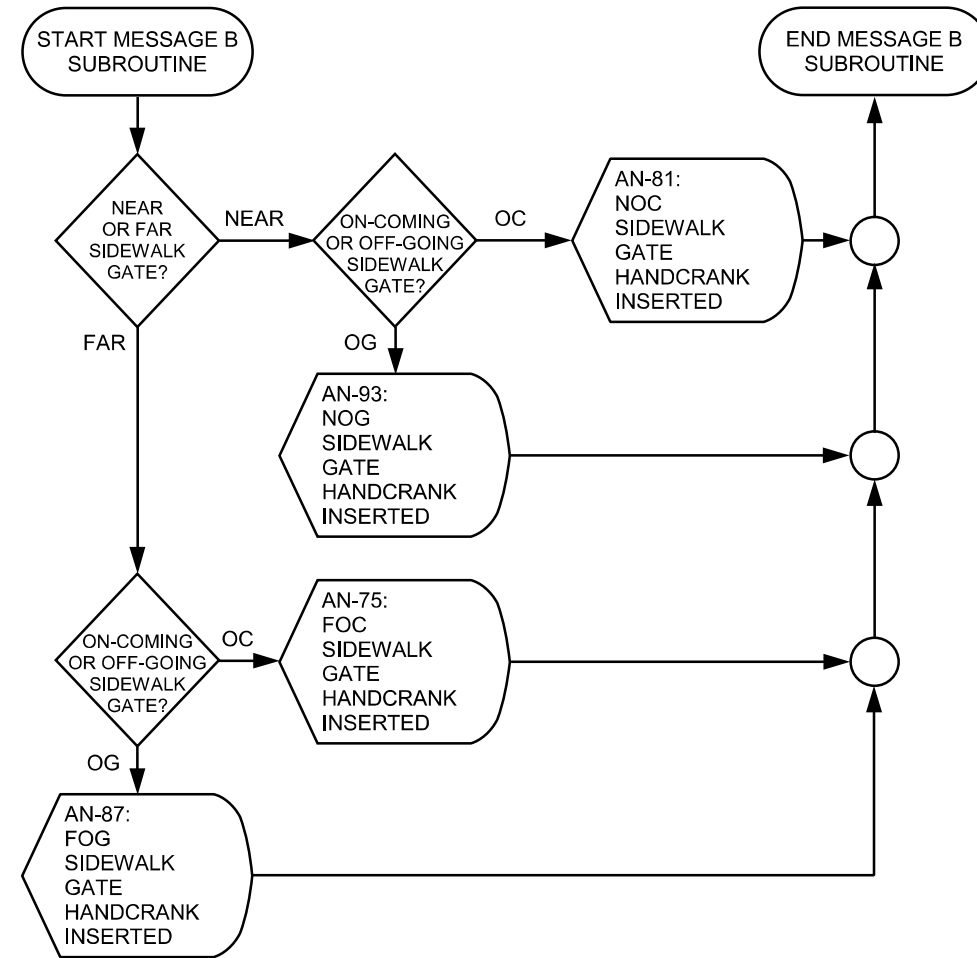
SIDEWALK GATES – OPENING



SIDEWALK GATES – 1 OF 2



**MESSAGE A SUBROUTINE
 (SIDEWALK GATE OPERATOR TROUBLE)**

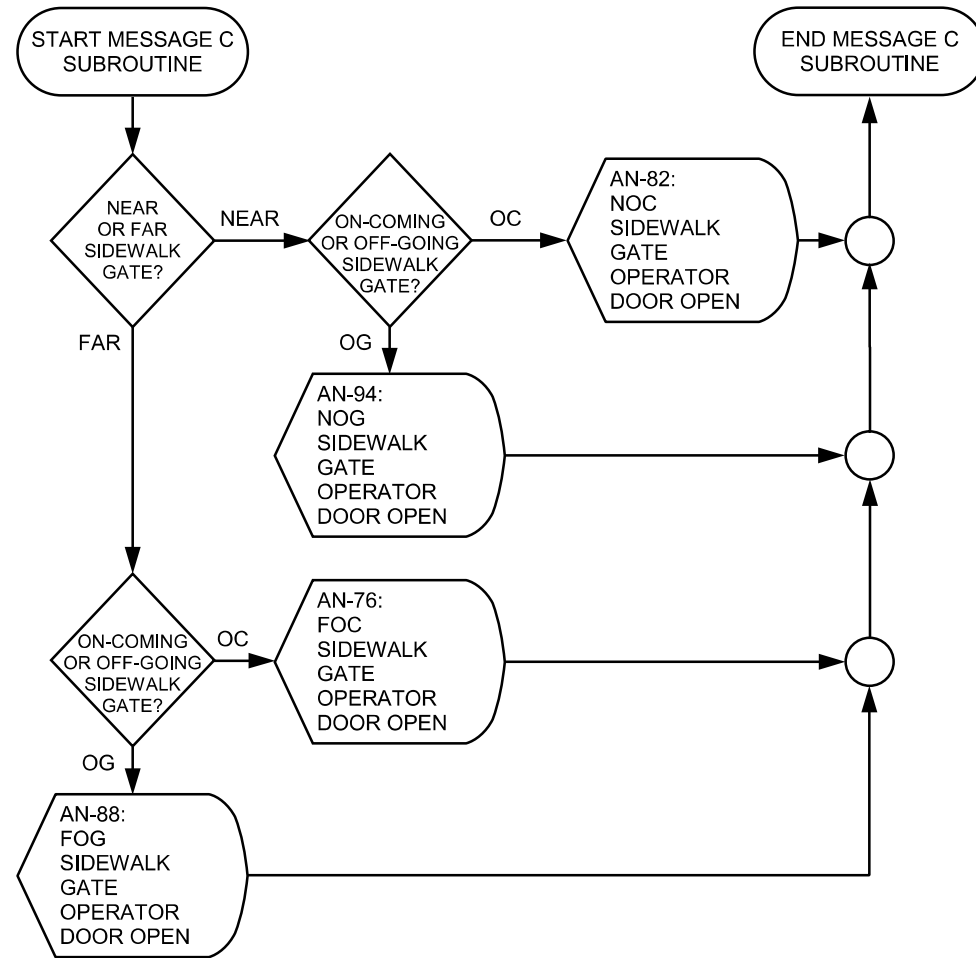


**MESSAGE B SUBROUTINE
 (SIDEWALK GATE HANDCRANK INSERTED)**

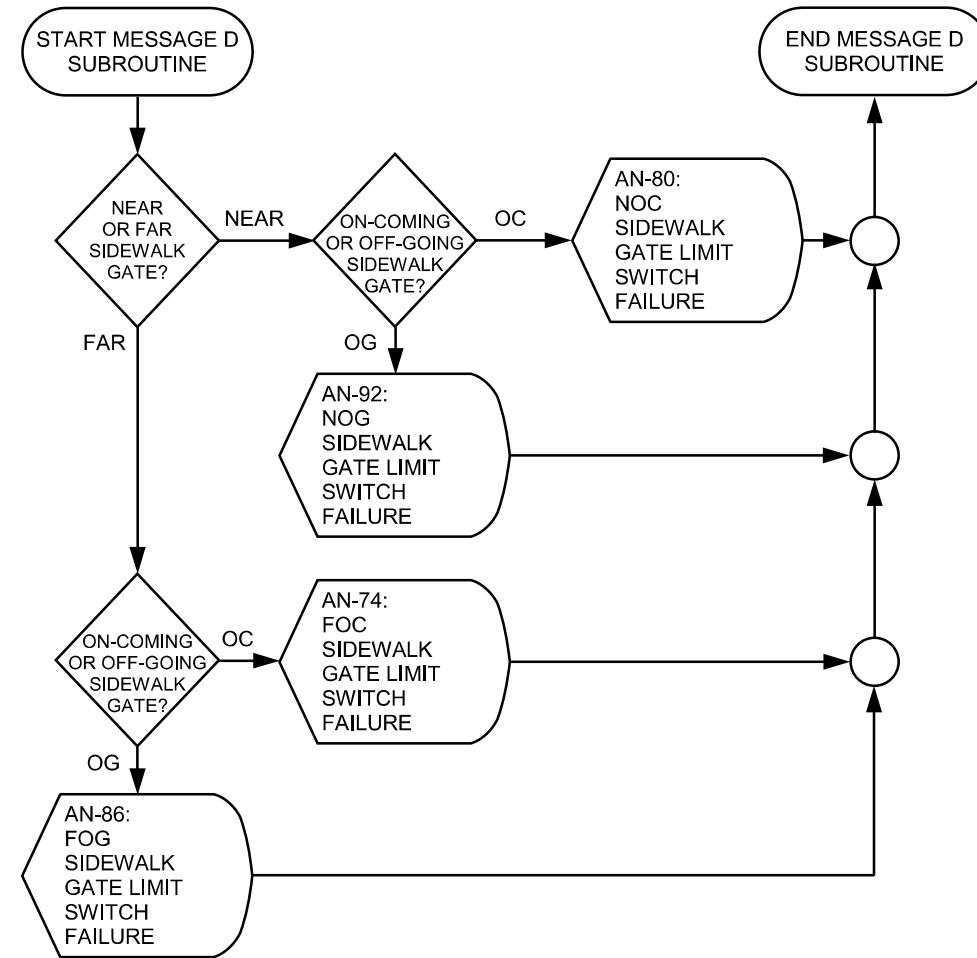
ALARMS THIS SHEET:

1. SIDEWALK GATE OPERATOR TROUBLE (AN-71, AN-77, AN-83, AN-89)
2. SIDEWALK GATE HANDCRANK INSERTED (AN-75, AN-81, AN-87, AN-93)

SIDEWALK GATES – 2 OF 2



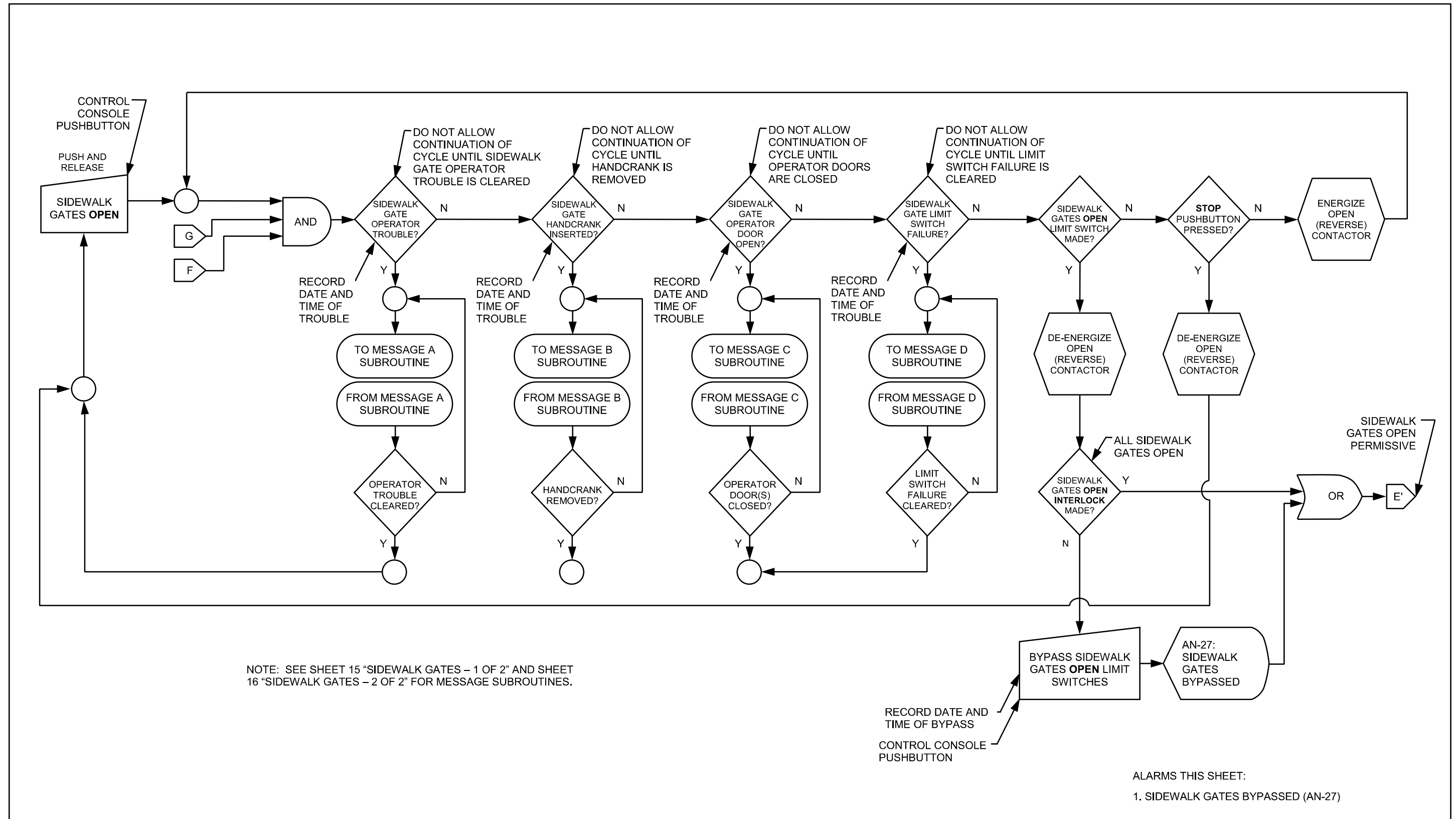
**MESSAGE C SUBROUTINE
 (SIDEWALK GATE OPERATOR DOOR OPEN)**



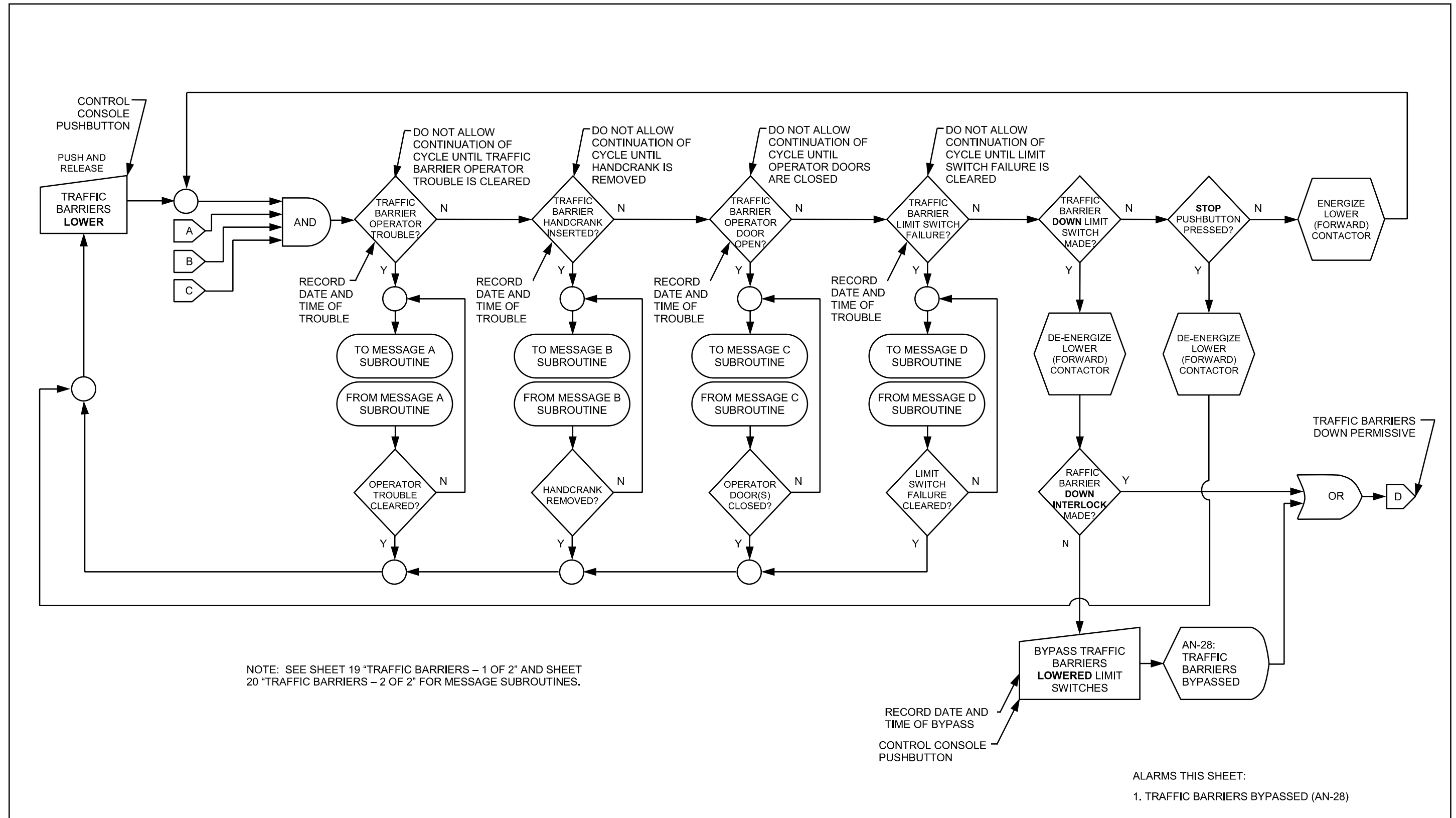
**MESSAGE D SUBROUTINE
 (SIDEWALK GATE LIMIT SWITCH FAILURE)**

- ALARMS THIS SHEET:
1. SIDEWALK GATE OPERATOR DOOR OPEN (AN-76, AN-82, AN-88, AN-94)
 2. SIDEWALK GATE LIMIT SWITCH FAILURE (AN-74, AN-80, AN-86, AN-92)

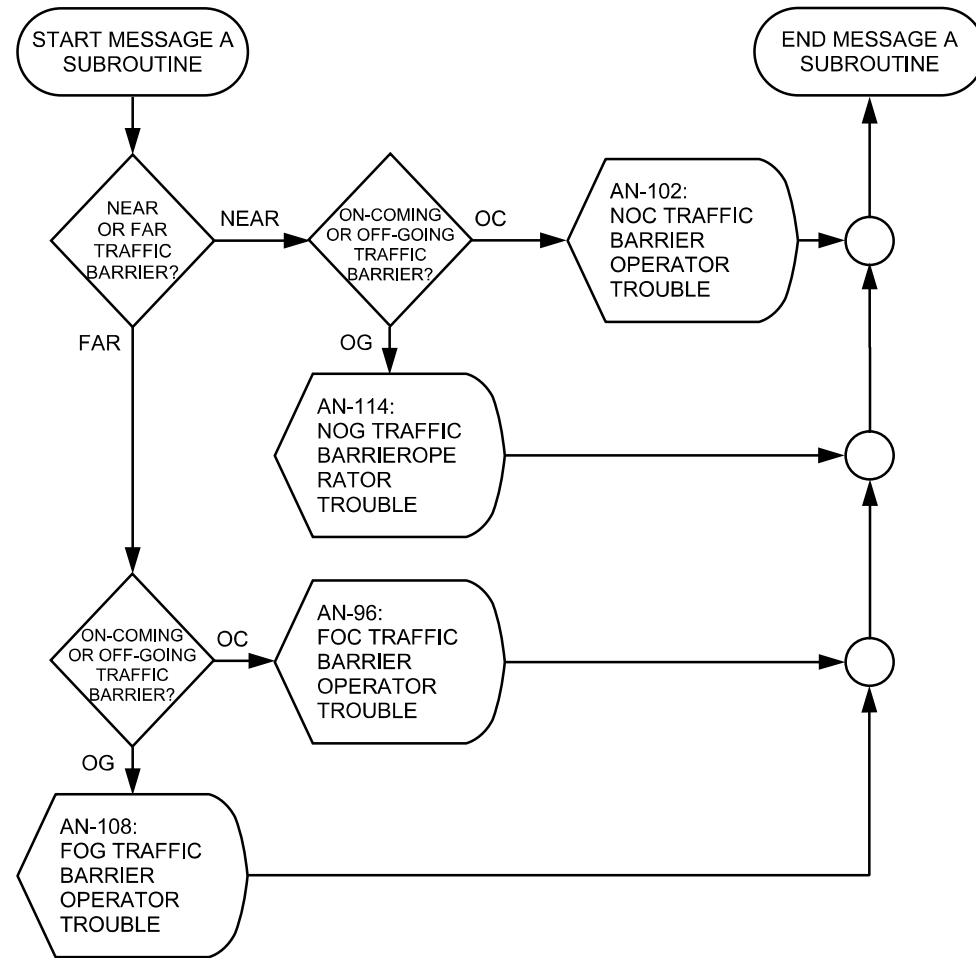
SIDEWALK GATES – CLOSING



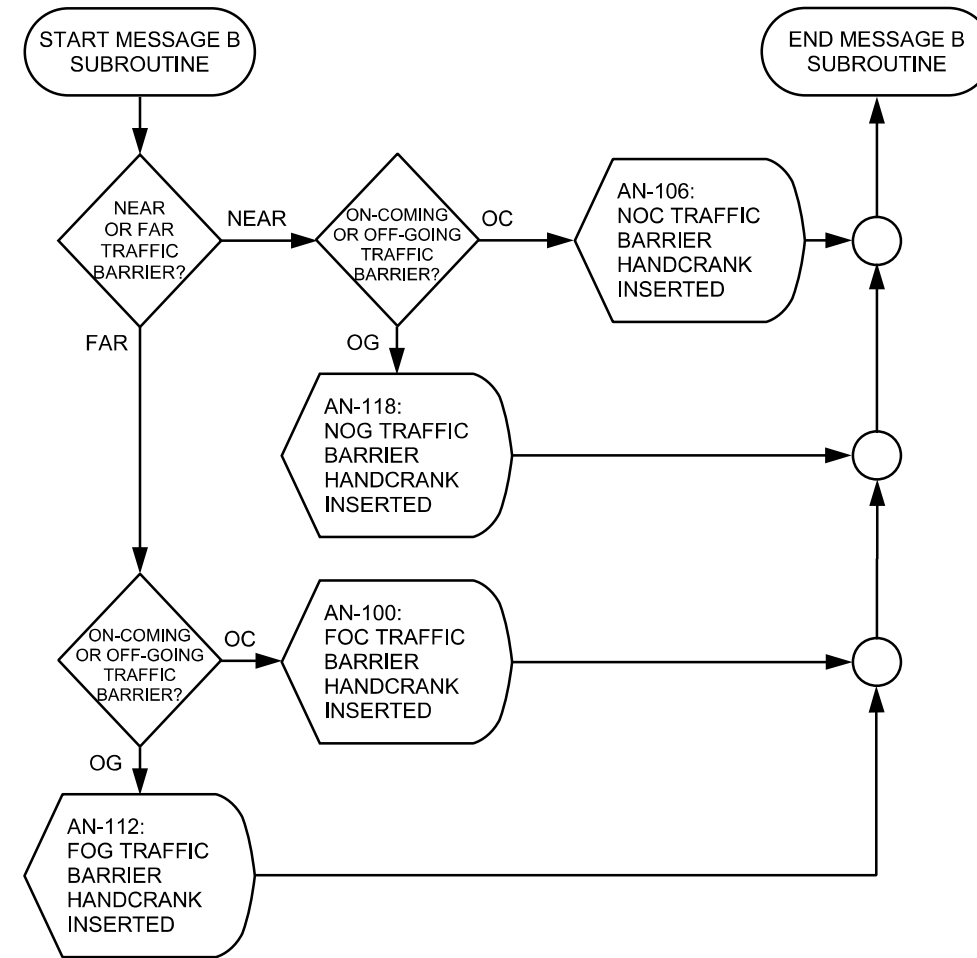
TRAFFIC BARRIERS – OPENING



TRAFFIC BARRIERS – 1 OF 2



**MESSAGE A SUBROUTINE
 (TRAFFIC BARRIER OPERATOR TROUBLE)**

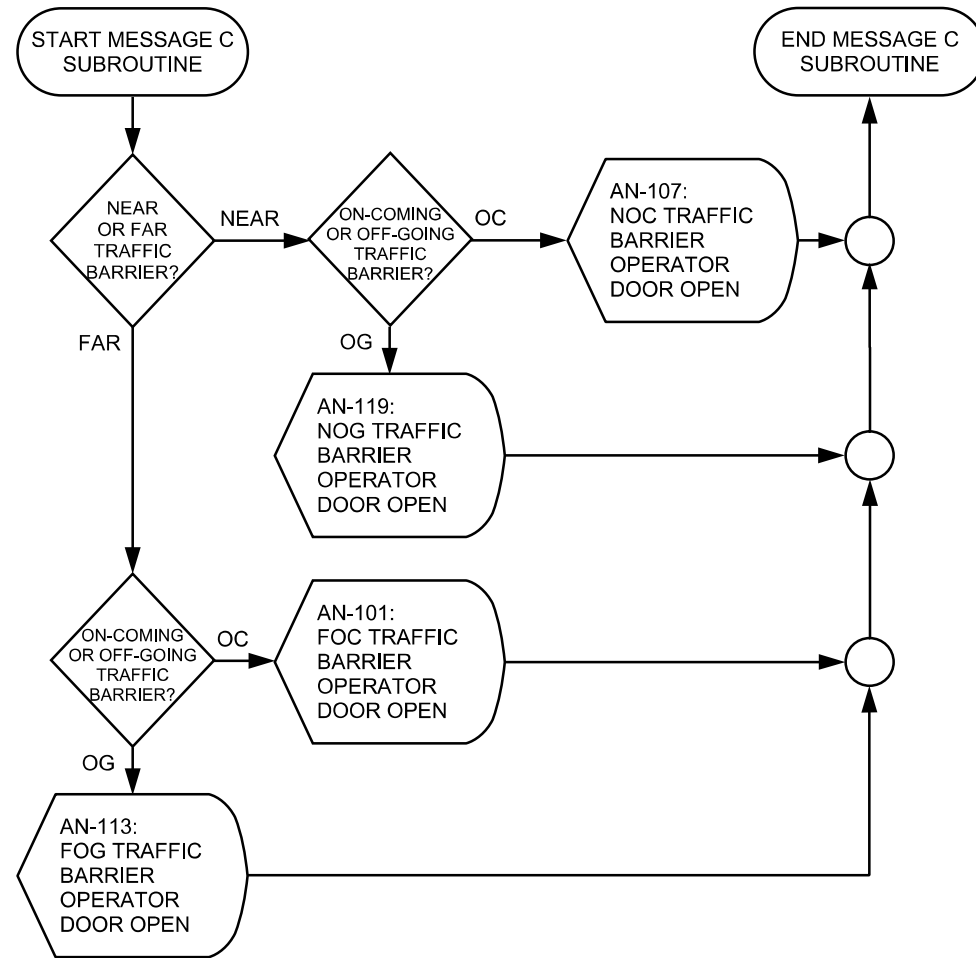


**MESSAGE B SUBROUTINE
 (TRAFFIC BARRIER HANDCRANK INSERTED)**

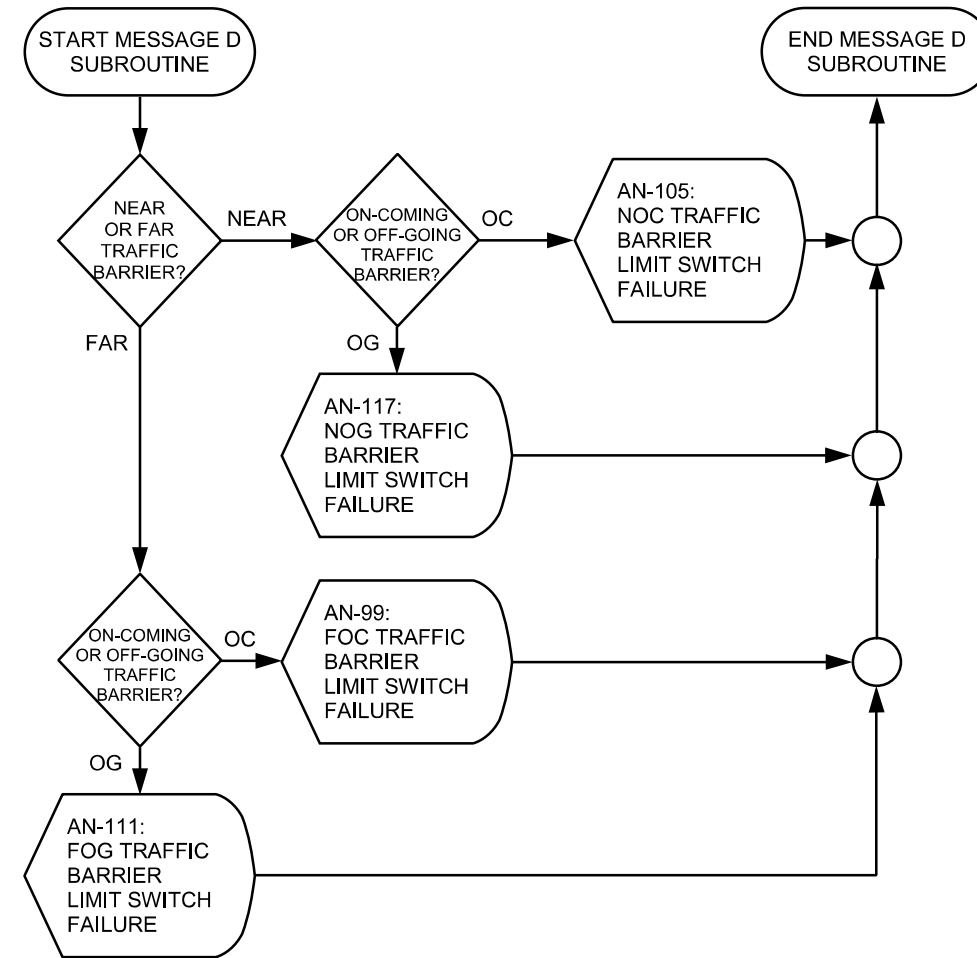
ALARMS THIS SHEET:

1. TRAFFIC BARRIER OPERATOR TROUBLE (AN-96, AN-102, AN-108, AN-114)
2. TRAFFIC BARRIER HANDCRANK INSERTED (AN-100, AN-106, AN-112, AN-118)

TRAFFIC BARRIERS – 2 OF 2



MESSAGE C SUBROUTINE
 (TRAFFIC BARRIER OPERATOR DOOR OPEN)

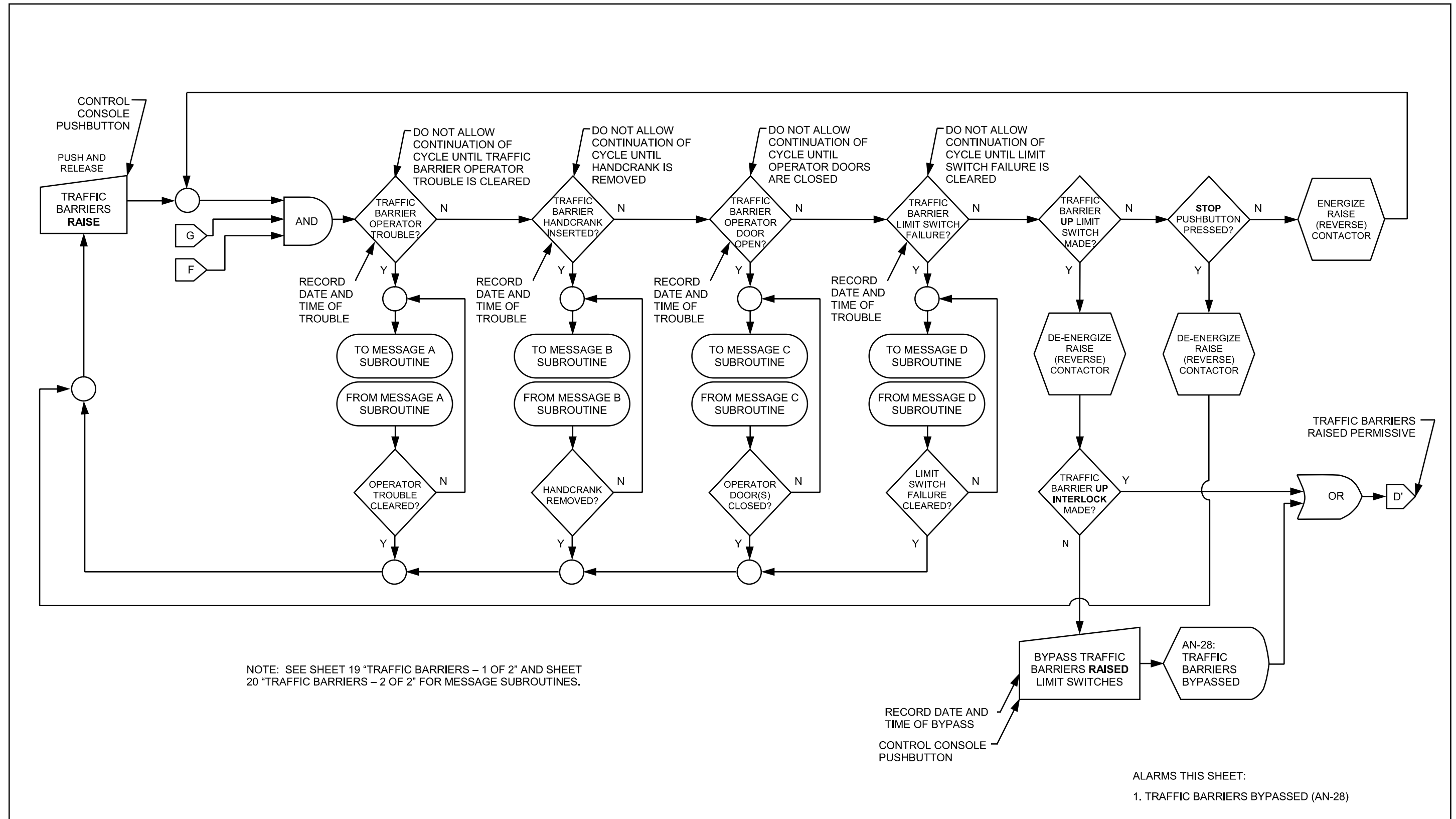


MESSAGE D SUBROUTINE
 (TRAFFIC BARRIER LIMIT SWITCH FAILURE)

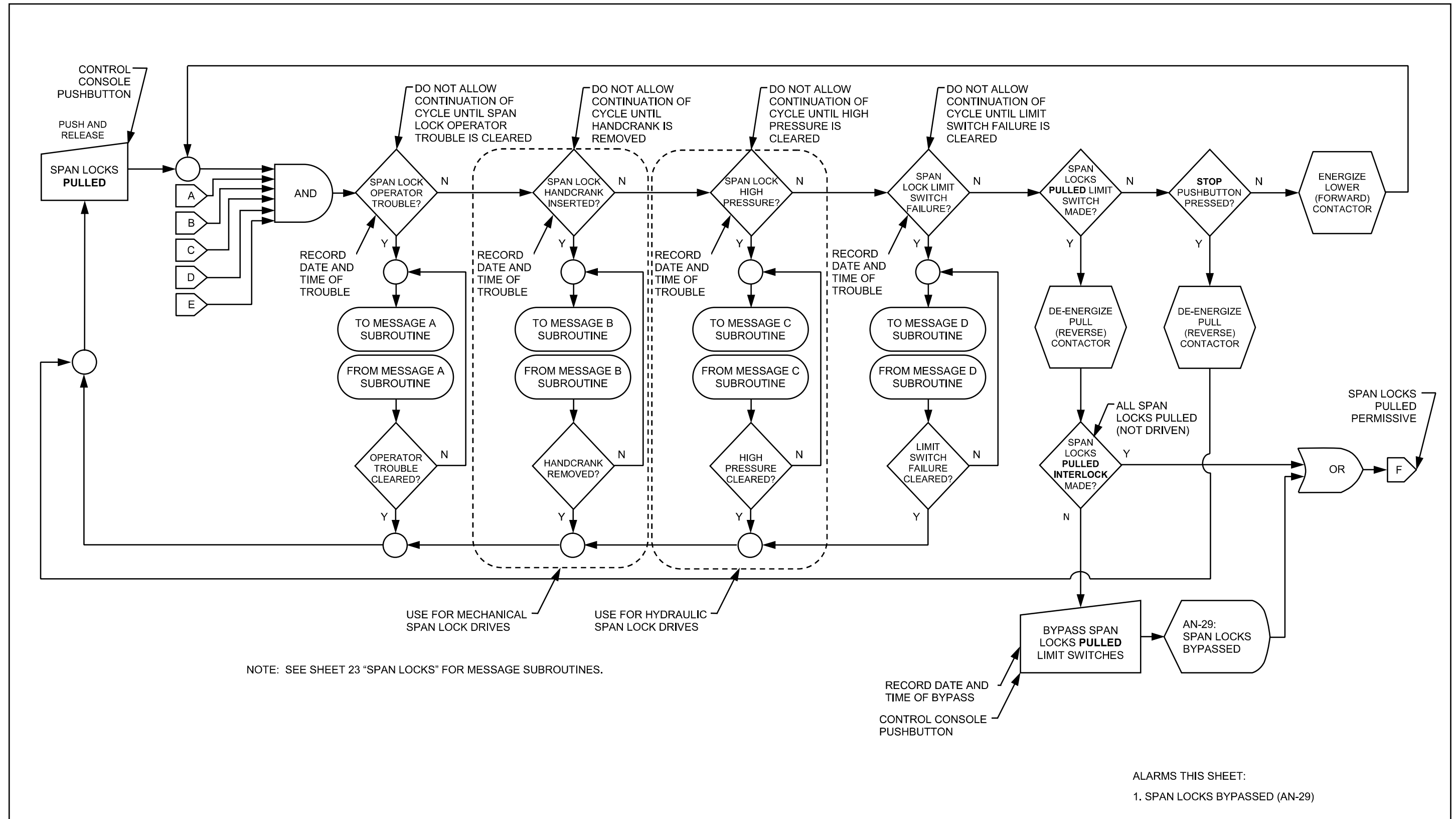
ALARMS THIS SHEET:

1. TRAFFIC BARRIER OPERATOR DOOR OPEN (AN-101, AN-107, AN-113, AN-119)
2. TRAFFIC BARRIER LIMIT SWITCH FAILURE (AN-99, AN-105, AN-111, AN-117)

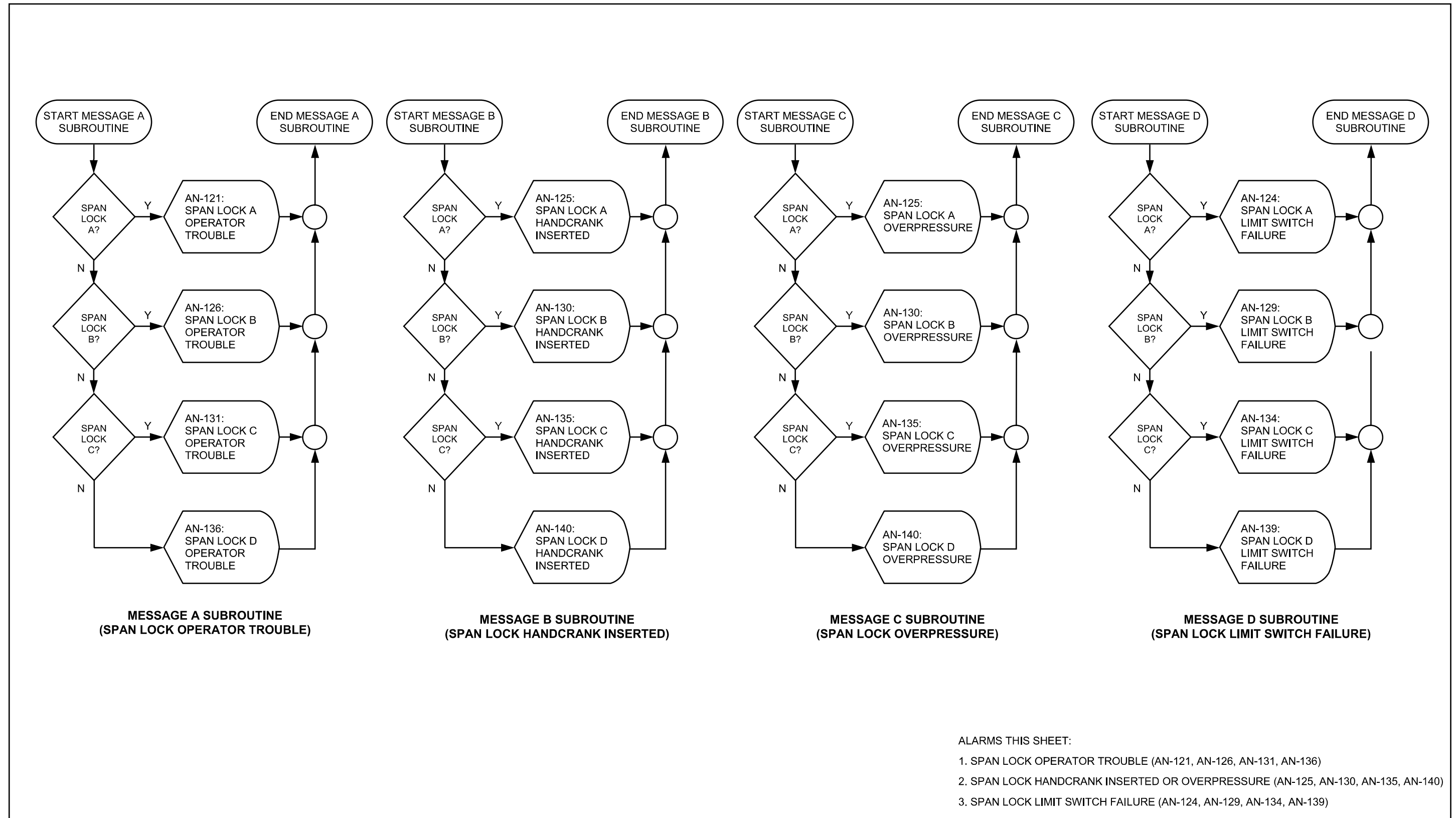
TRAFFIC BARRIERS – CLOSING



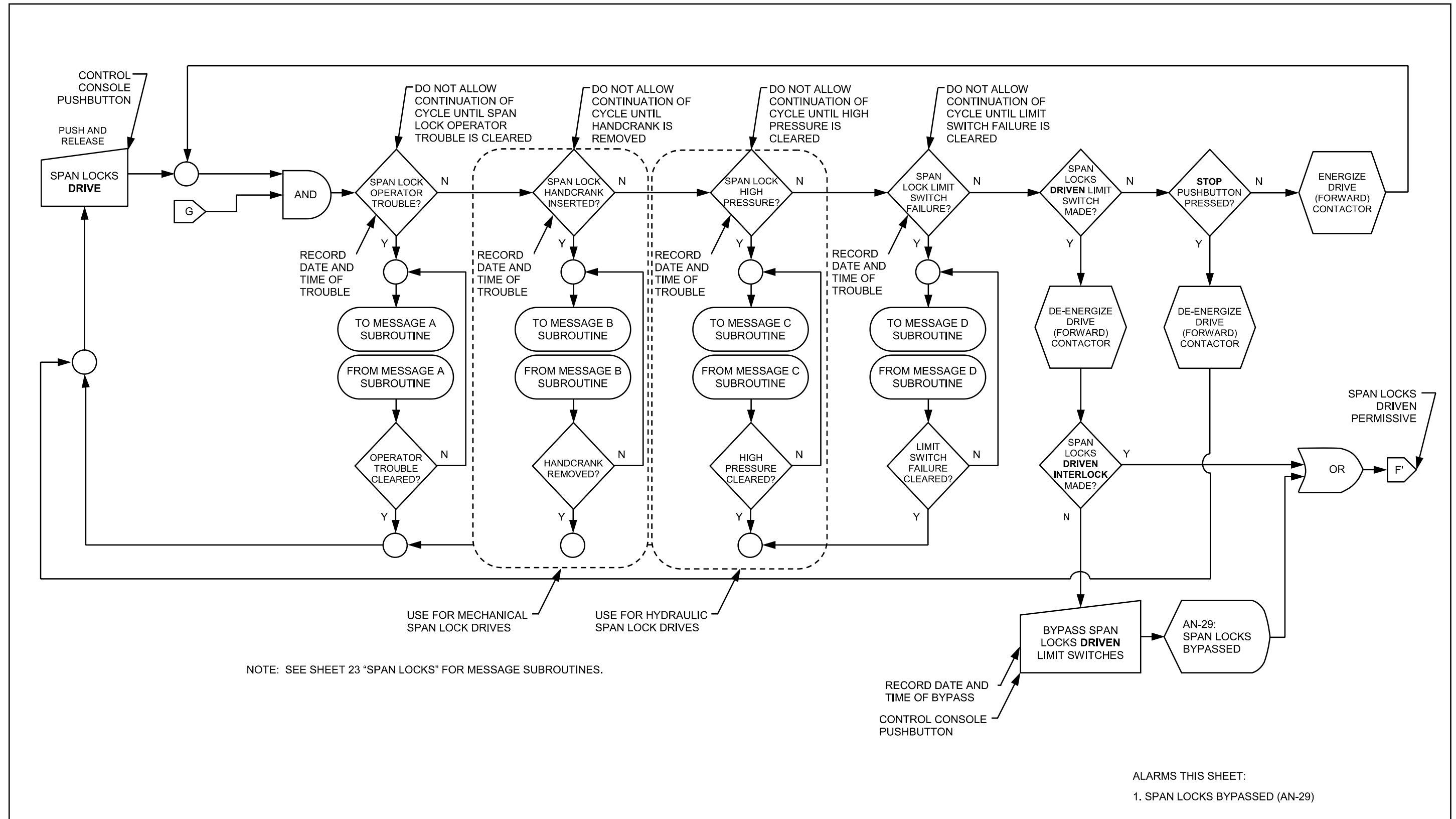
SPAN LOCKS – OPENING



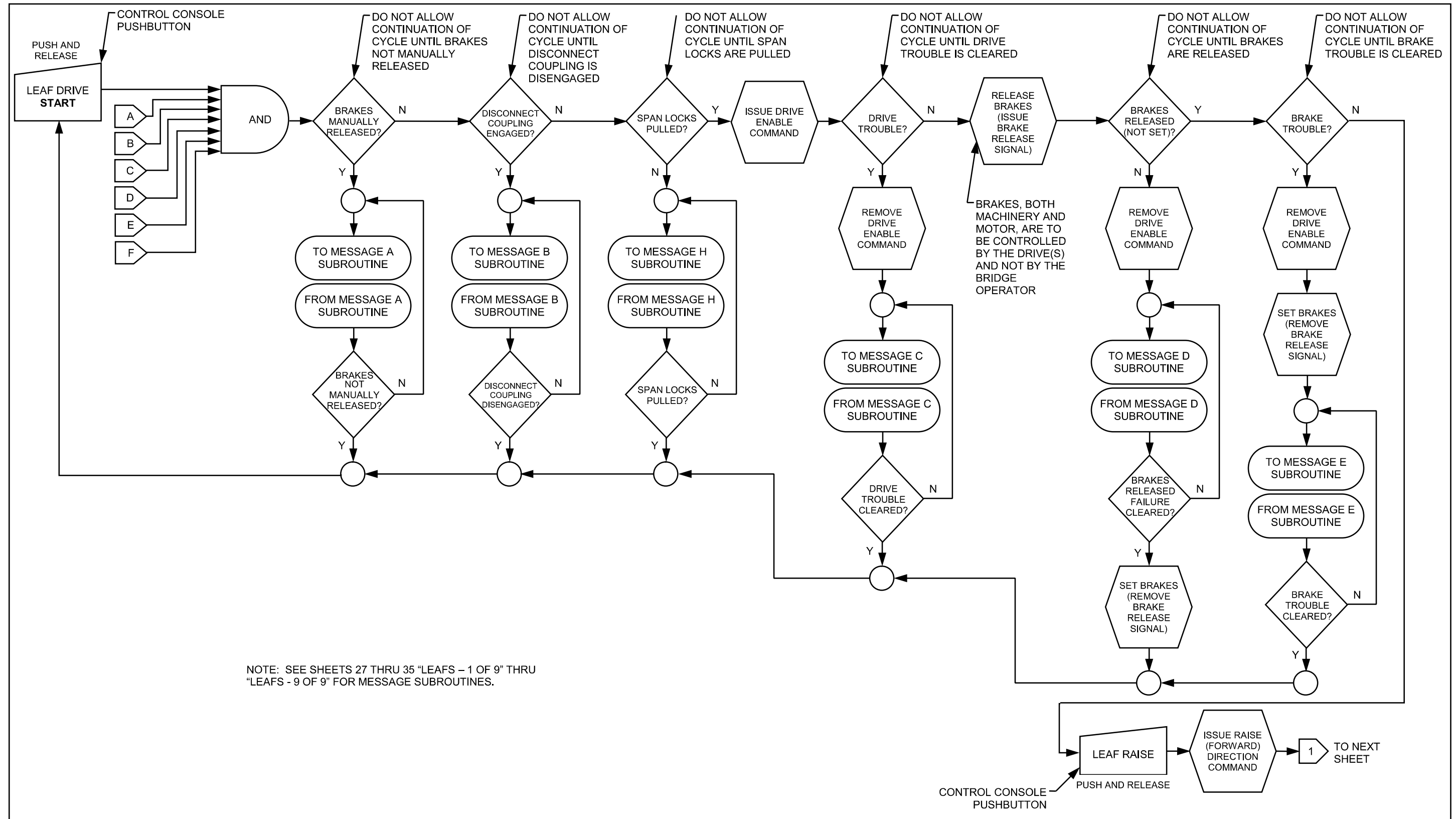
SPAN LOCKS



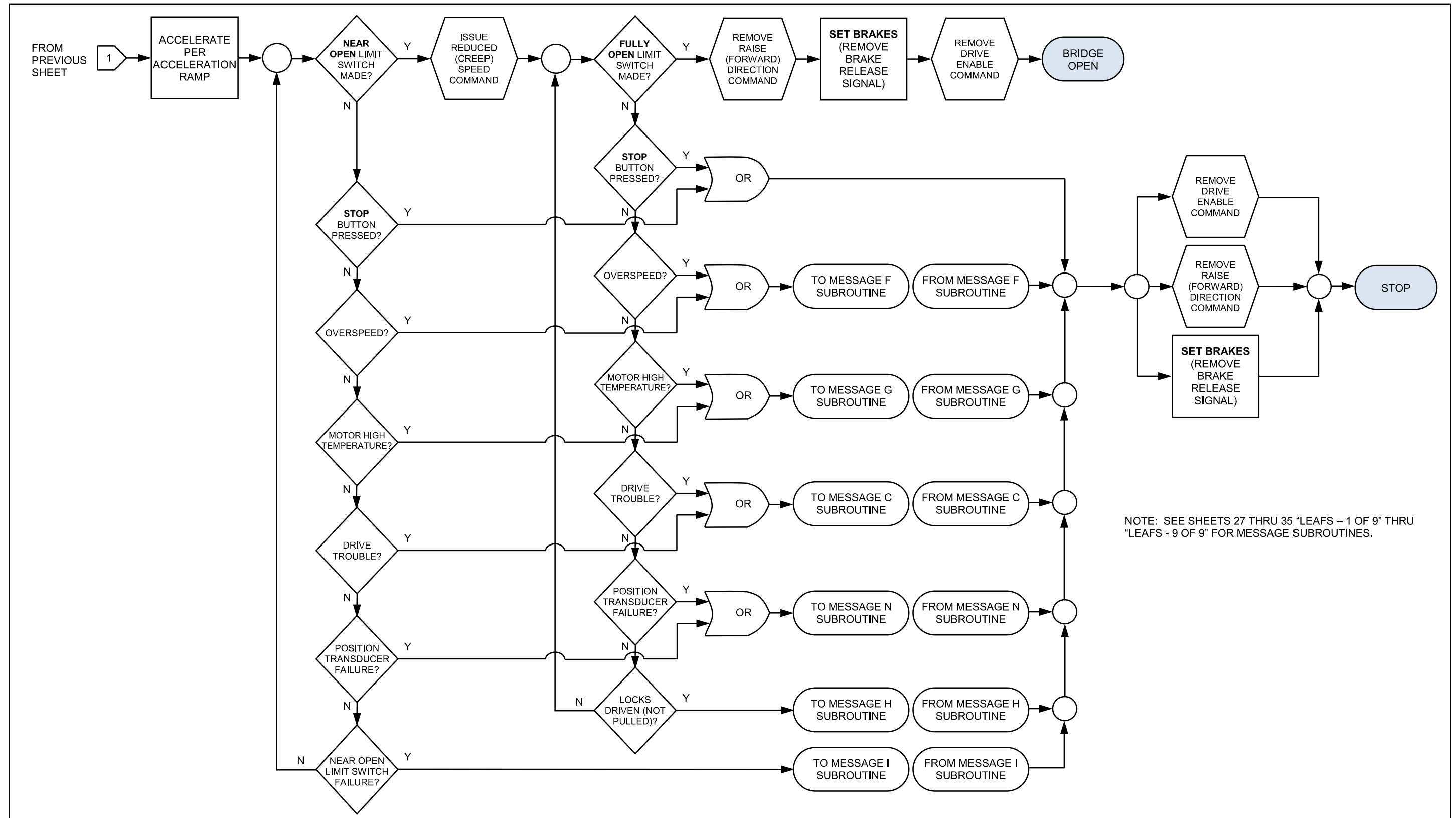
SPAN LOCKS – CLOSING



LEAFS – OPENING – 1 OF 2

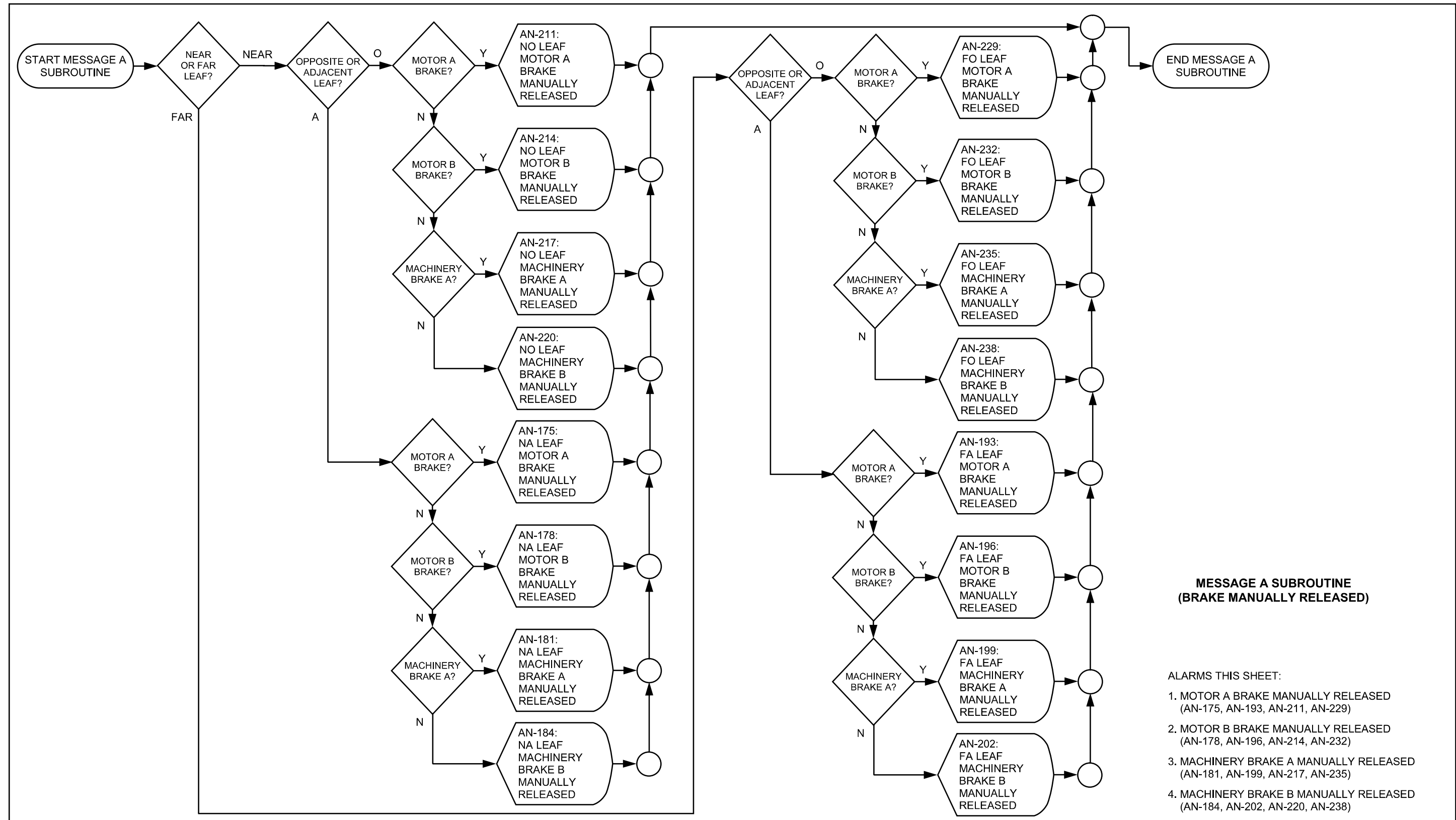


LEAFS – OPENING – 2 OF 2



NOTE: SEE SHEETS 27 THRU 35 "LEAFS – 1 OF 9" THRU "LEAFS - 9 OF 9" FOR MESSAGE SUBROUTINES.

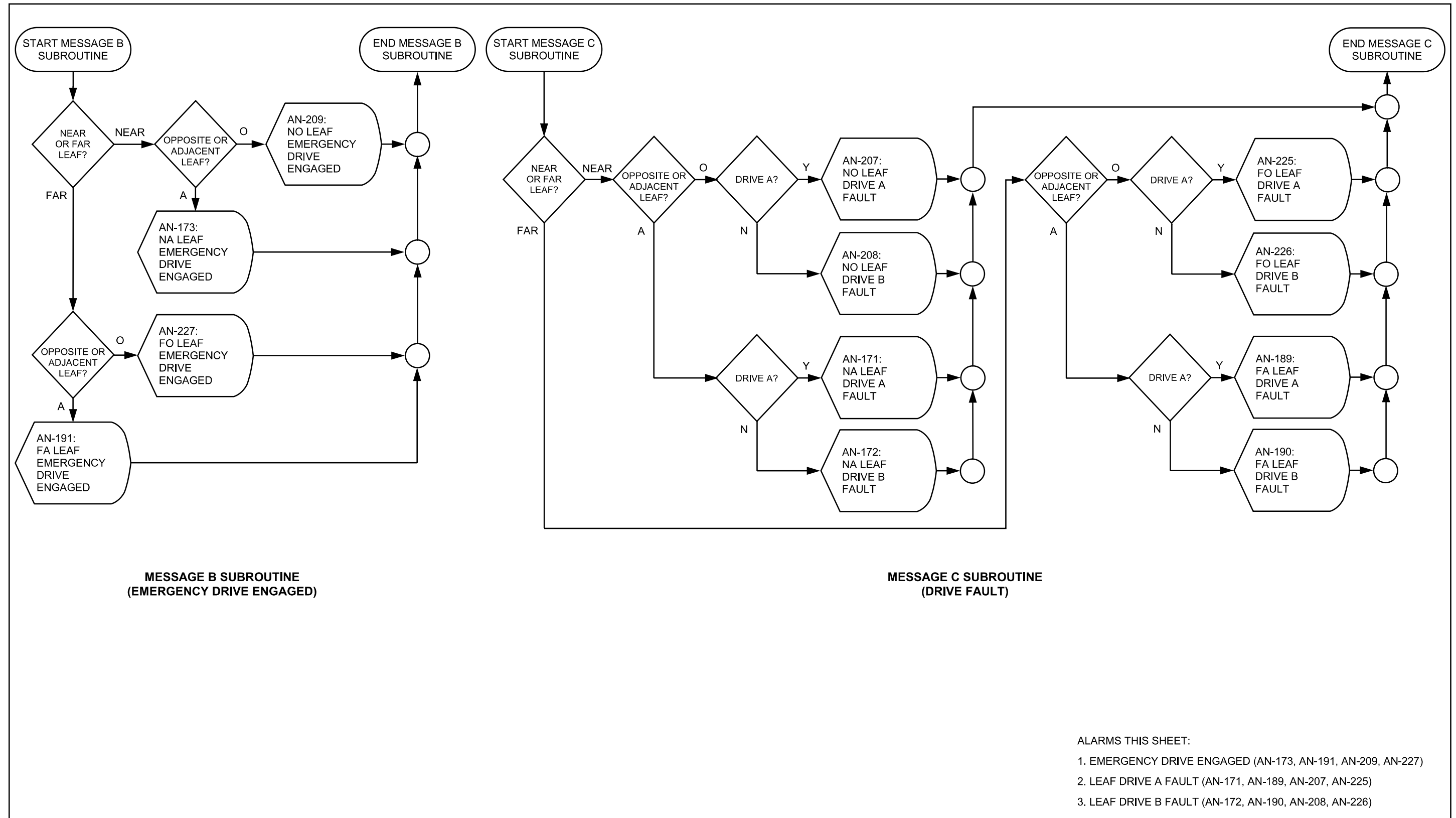
LEAFS – 1 OF 9



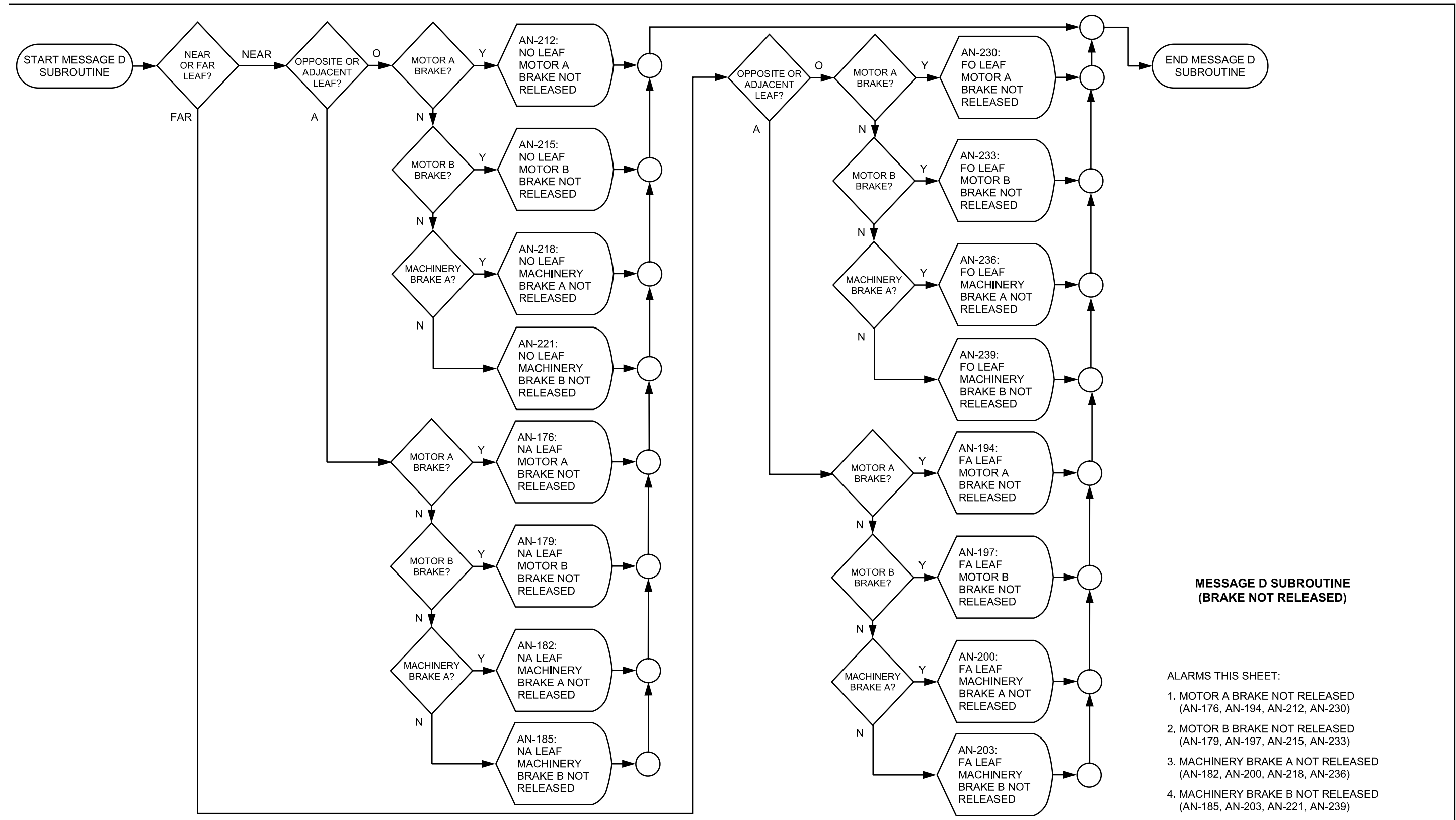
**MESSAGE A SUBROUTINE
 (BRAKE MANUALLY RELEASED)**

- ALARMS THIS SHEET:
1. MOTOR A BRAKE MANUALLY RELEASED
 (AN-175, AN-193, AN-211, AN-229)
 2. MOTOR B BRAKE MANUALLY RELEASED
 (AN-178, AN-196, AN-214, AN-232)
 3. MACHINERY BRAKE A MANUALLY RELEASED
 (AN-181, AN-199, AN-217, AN-235)
 4. MACHINERY BRAKE B MANUALLY RELEASED
 (AN-184, AN-202, AN-220, AN-238)

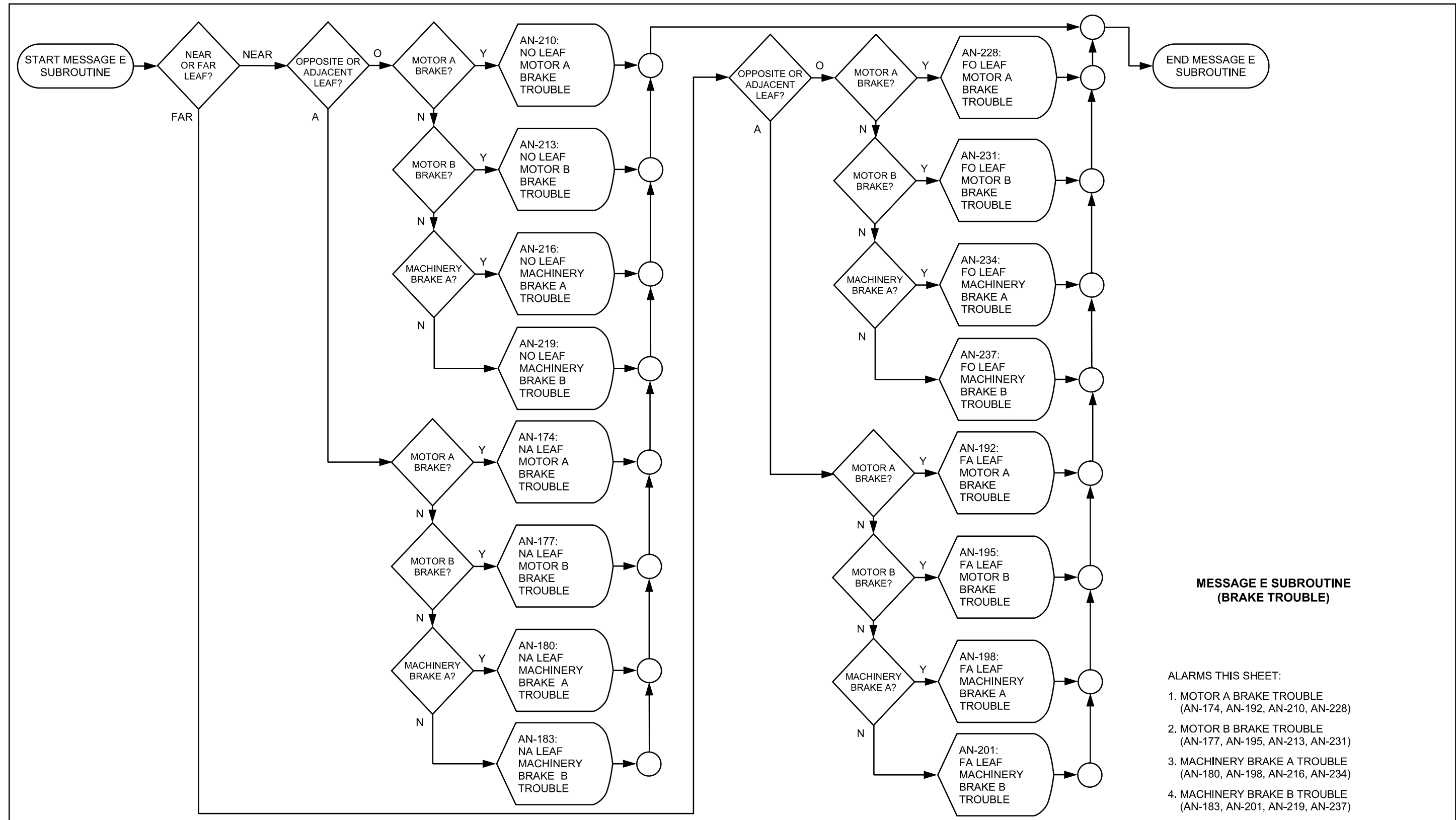
LEAFS – 2 OF 9



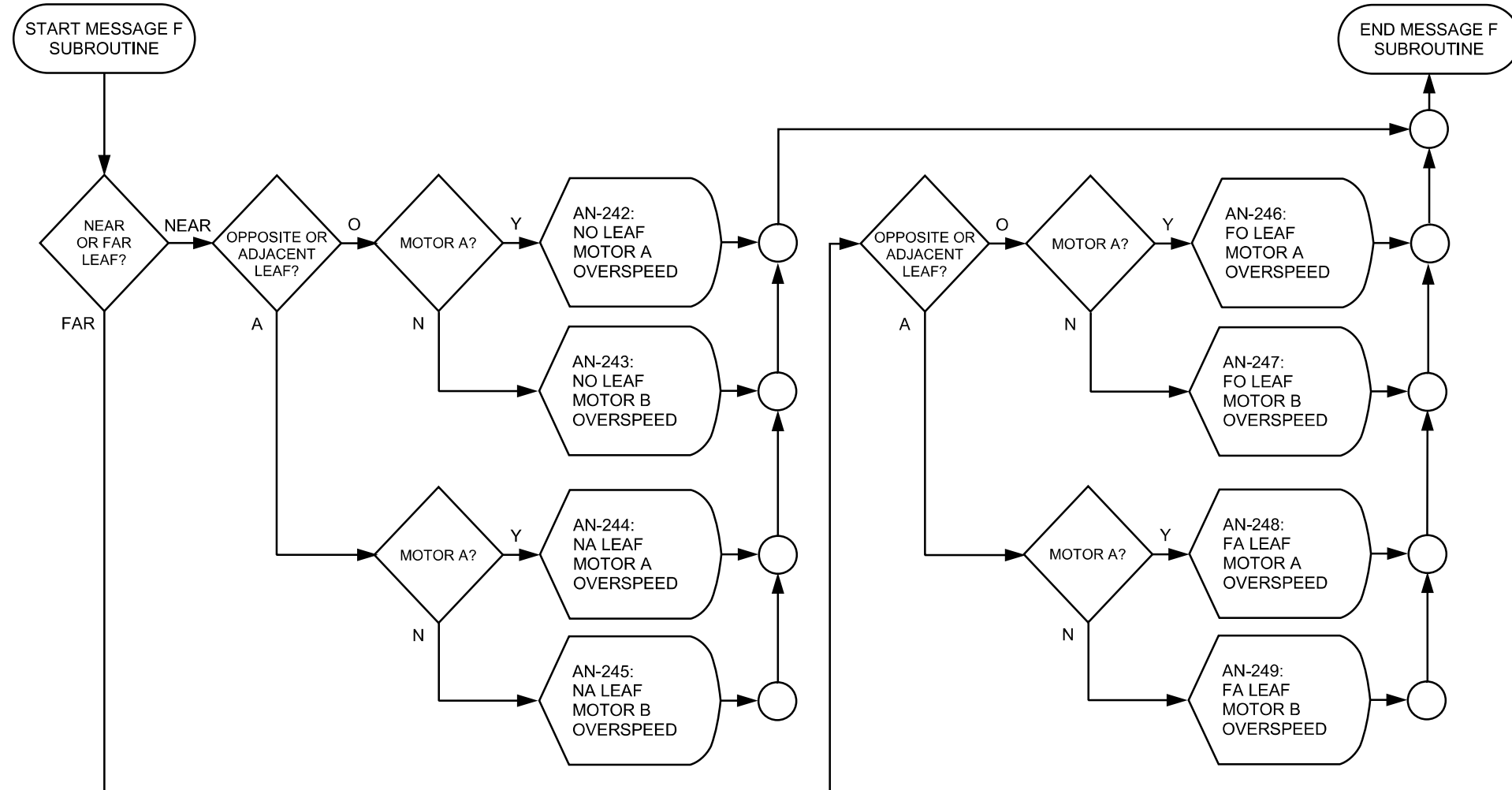
LEAFS – 3 OF 9



LEAFS – 4 OF 9



LEAFS – 5 OF 9

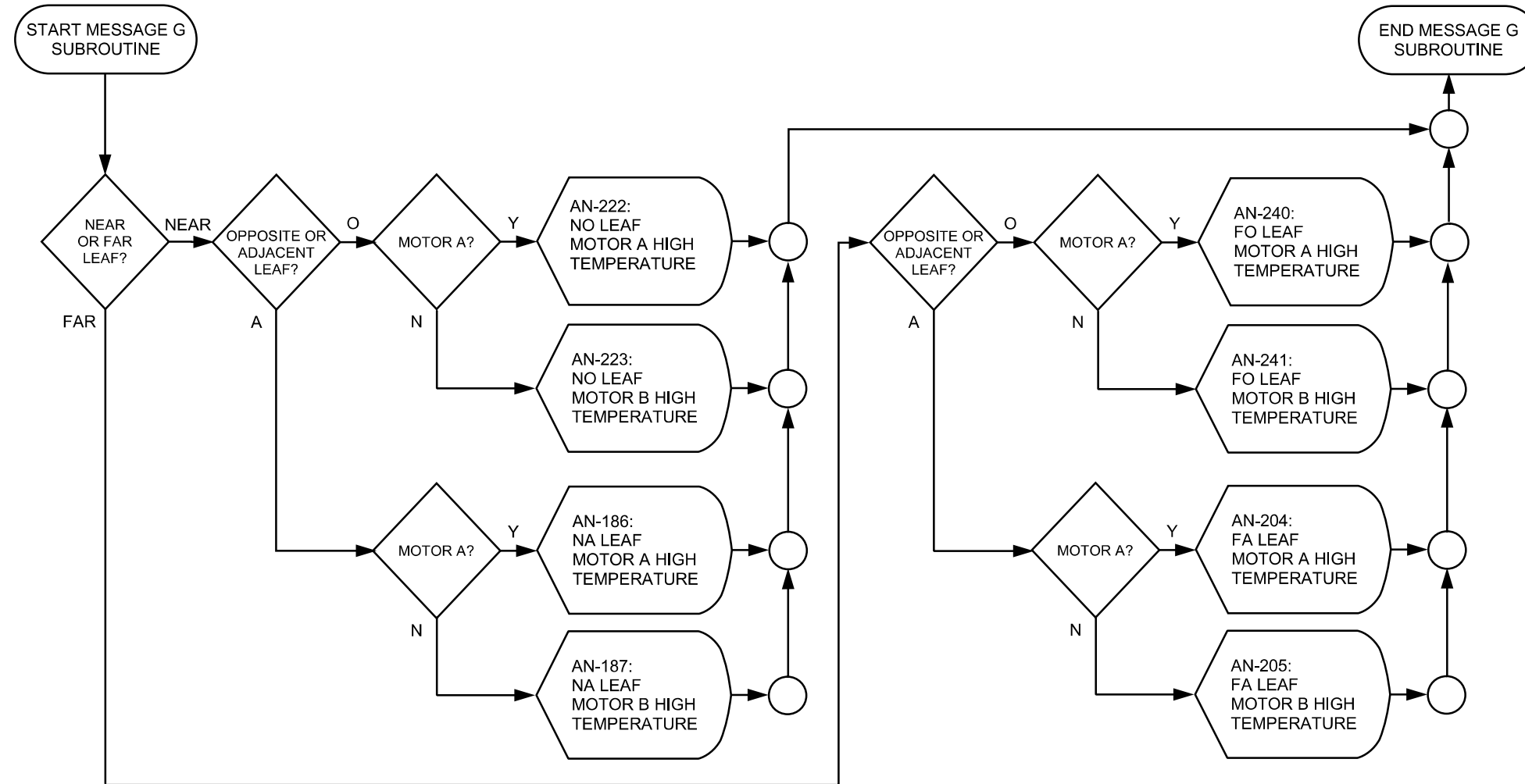


MESSAGE F SUBROUTINE
 (MOTOR OVERSPEED)

ALARMS THIS SHEET:

1. MOTOR A OVERSPEED (AN-242, AN-244, AN-246, AN-248)
2. MOTOR B OVERSPEED (AN-243, AN-245, AN-247, AN-249)

LEAFS – 6 OF 9

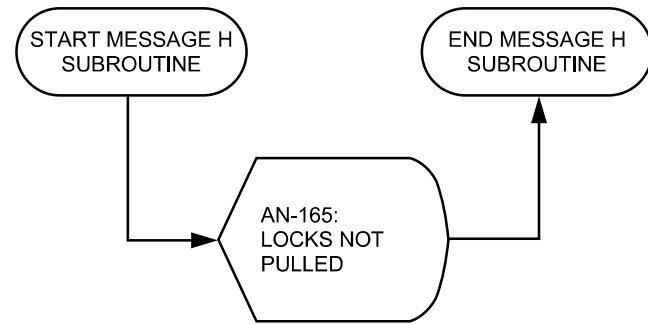


MESSAGE G SUBROUTINE
 (MOTOR HIGH TEMPERATURE)

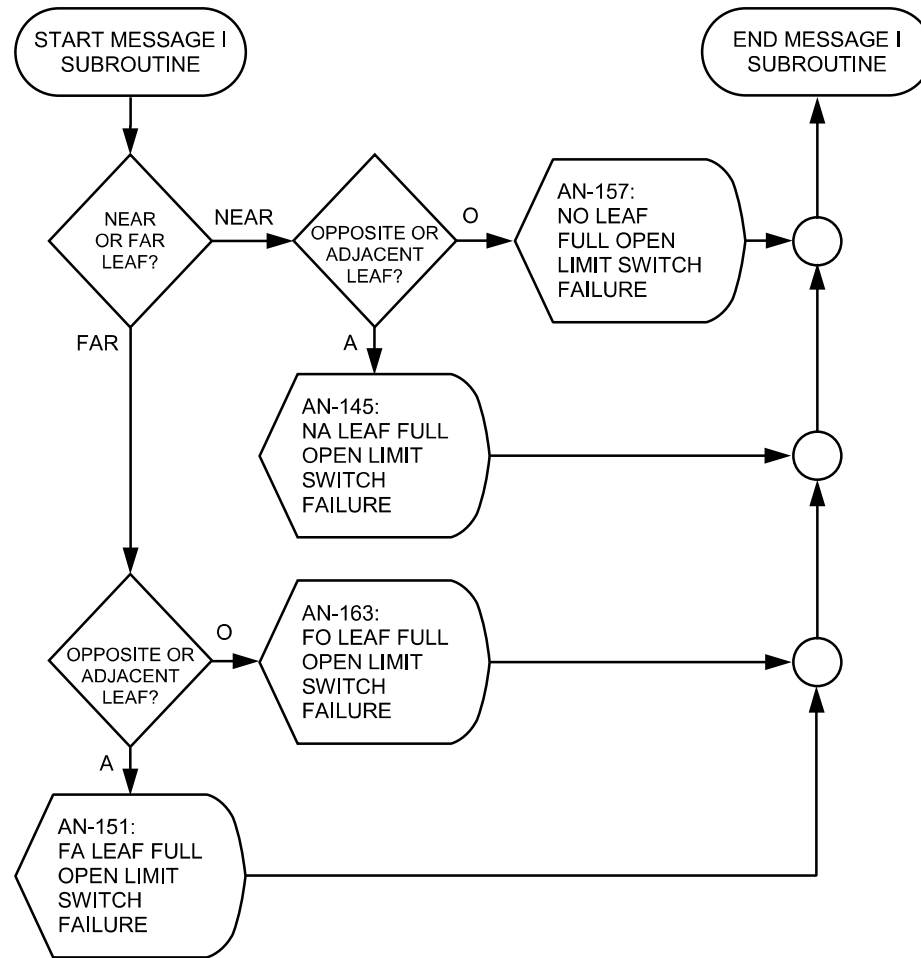
ALARMS THIS SHEET:

1. MOTOR A HIGH TEMPERATURE (AN-186, AN-204, AN-222, AN-240)
2. MOTOR B HIGH TEMPERATURE (AN-187, AN-205, AN-223, AN-241)

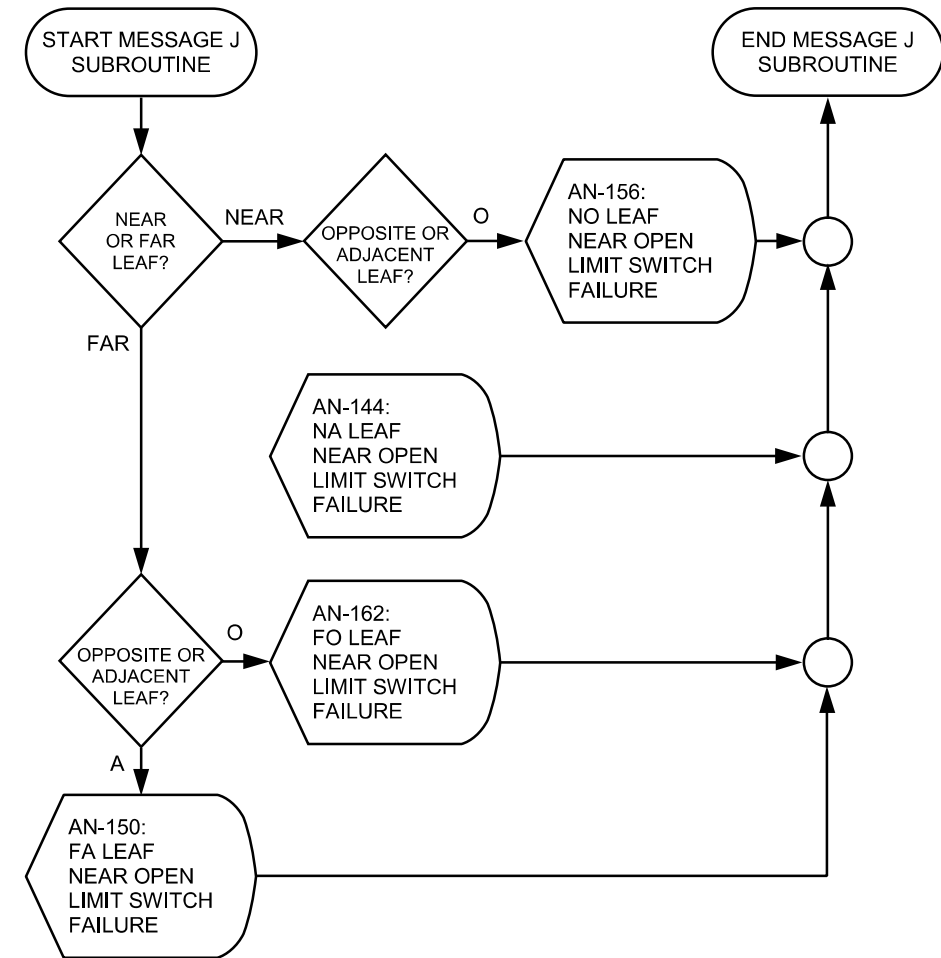
LEAFS – 7 OF 9



**MESSAGE H SUBROUTINE
 (LOCKS NOT PULLED)**



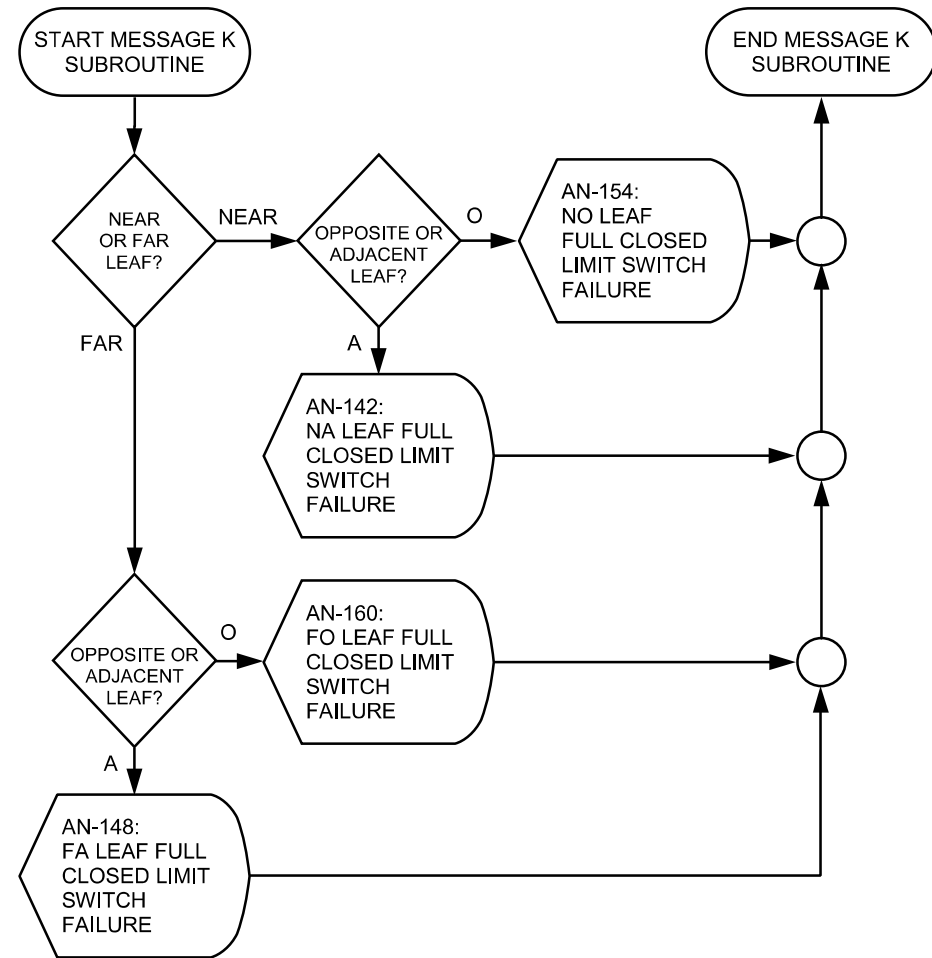
**MESSAGE I SUBROUTINE
 (FULL OPEN LIMIT SWITCH FAILURE)**



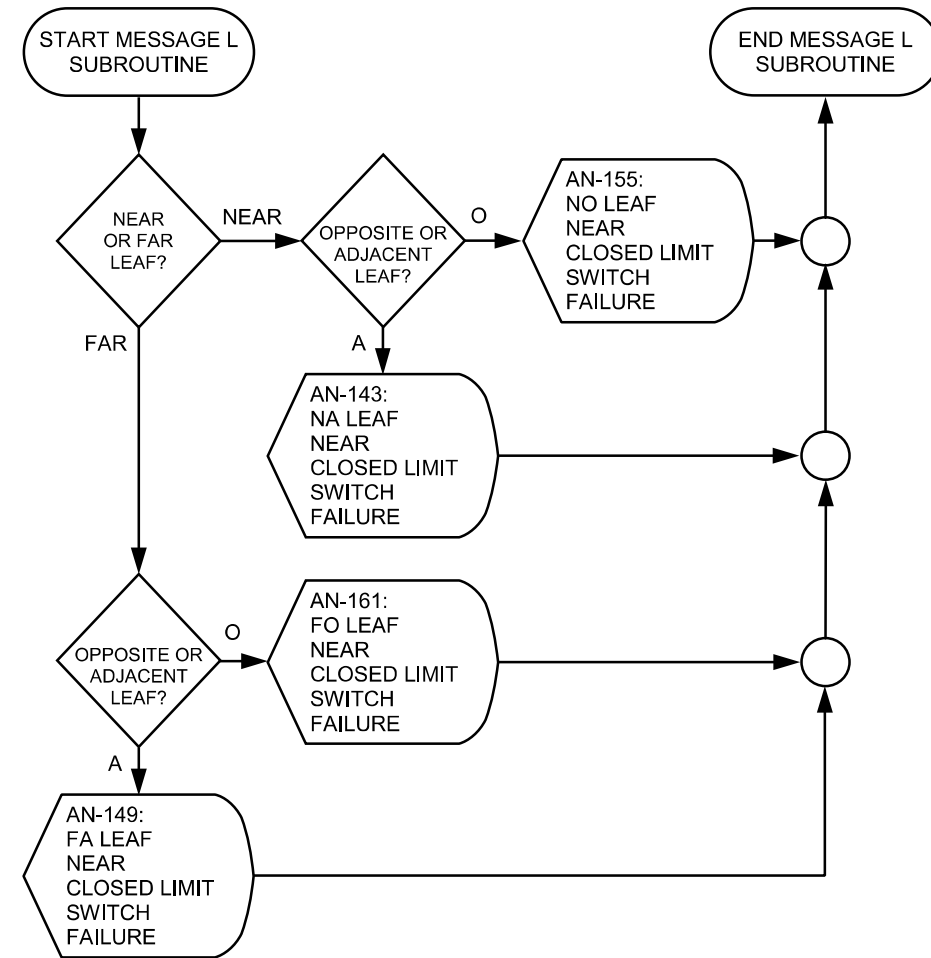
**MESSAGE J SUBROUTINE
 (NEAR OPEN LIMIT SWITCH FAILURE)**

- ALARMS THIS SHEET:
1. LOCKS NOT PULLED (AN-165)
 2. FULL OPEN LIMIT SWITCH FAILURE (AN-145, AN-151, AN-157, AN-163)
 3. NEAR OPEN LIMIT SWITCH FAILURE (AN-144, AN-150, AN-156, AN-162)

LEAFS – 8 OF 9



**MESSAGE K SUBROUTINE
 (FULL CLOSED LIMIT SWITCH FAILURE)**

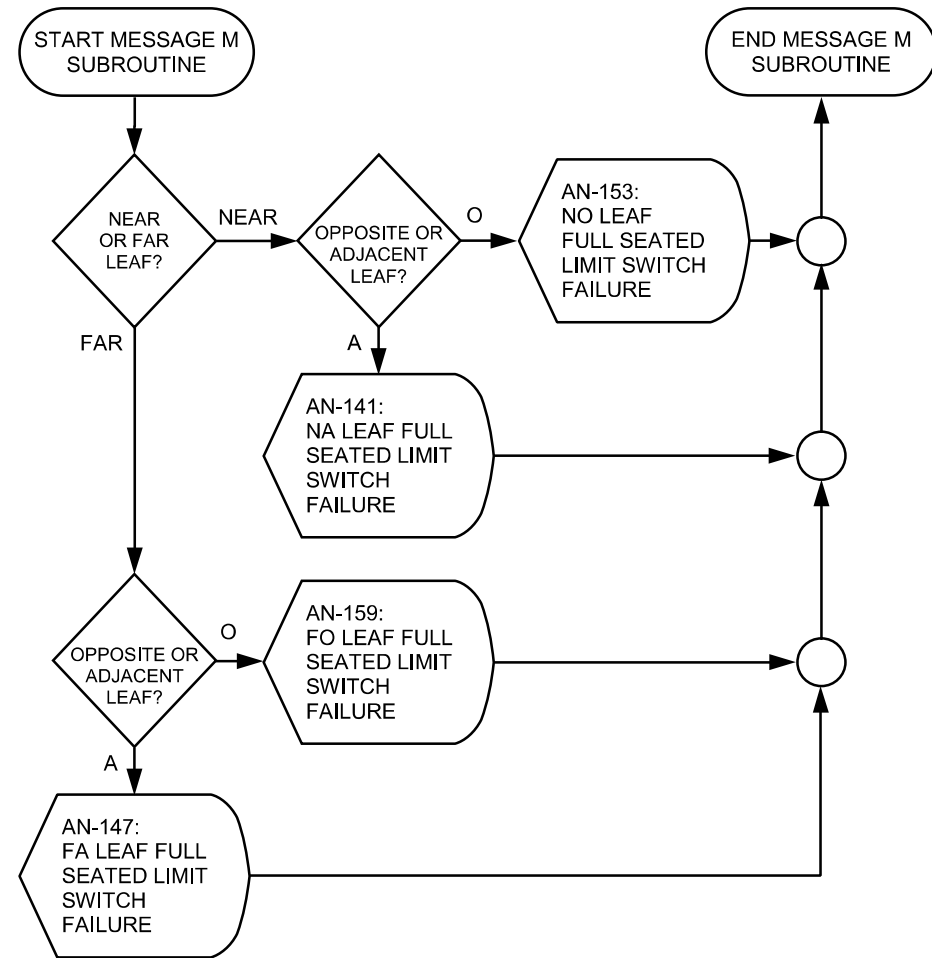


**MESSAGE L SUBROUTINE
 (NEAR CLOSED LIMIT SWITCH FAILURE)**

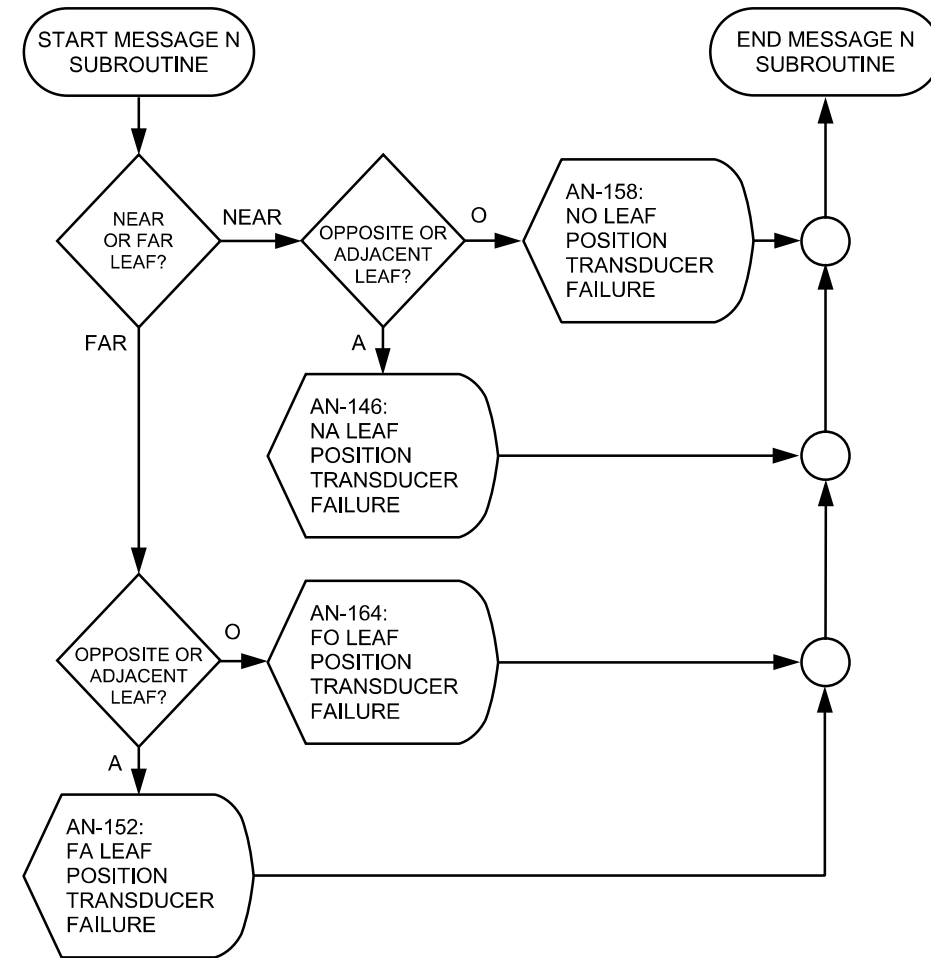
ALARMS THIS SHEET:

1. FULL CLOSED LIMIT SWITCH FAILURE (AN-142, AN-148, AN-154, AN-160)
2. NEAR CLOSED LIMIT SWITCH FAILURE (AN-143, AN-149, AN-155, AN-161)

LEAFS – 9 OF 9



**MESSAGE M SUBROUTINE
 (FULL SEATED LIMIT SWITCH FAILURE)**

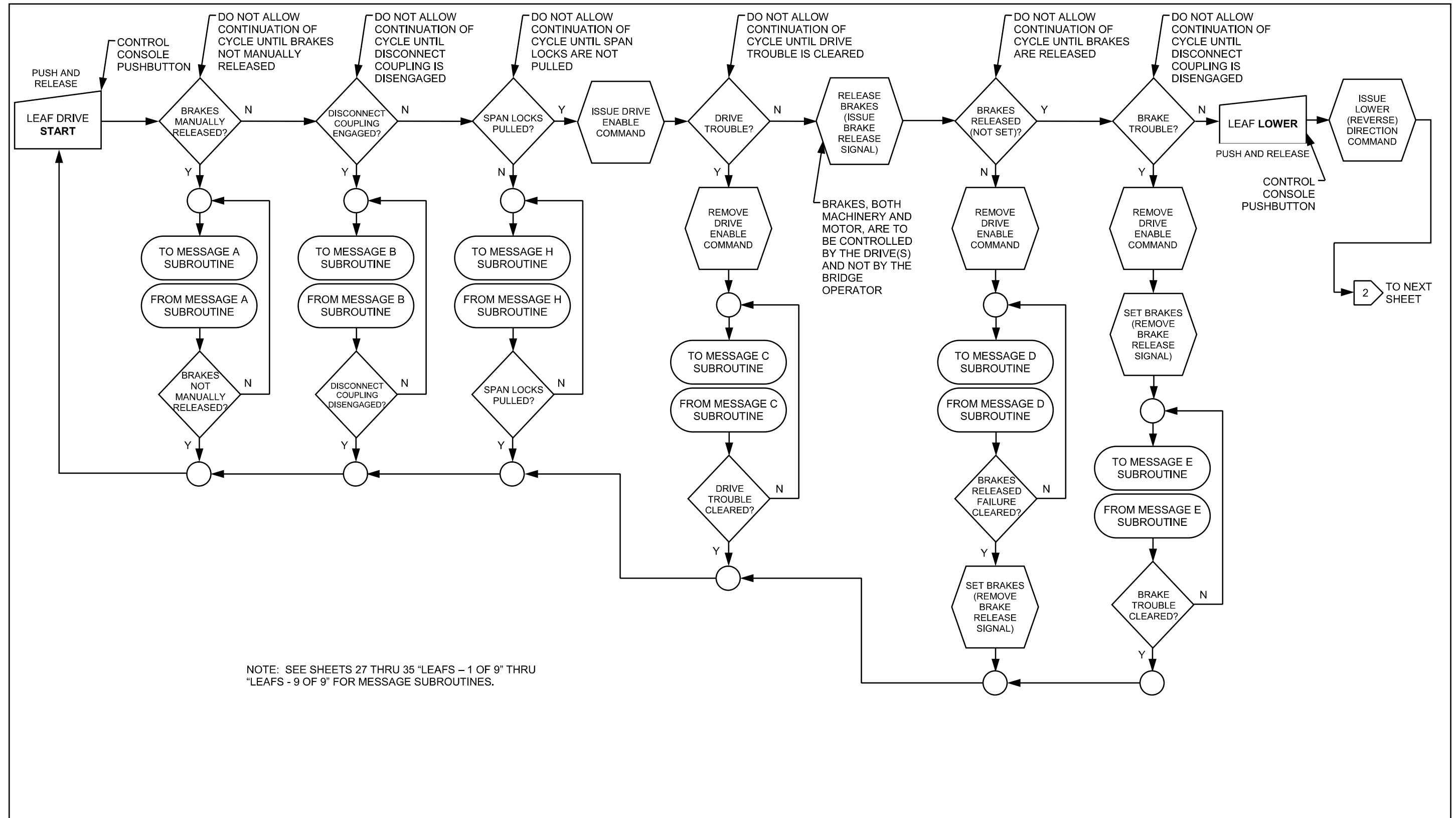


**MESSAGE N SUBROUTINE
 (POSITION TRANSDUCER FAILURE)**

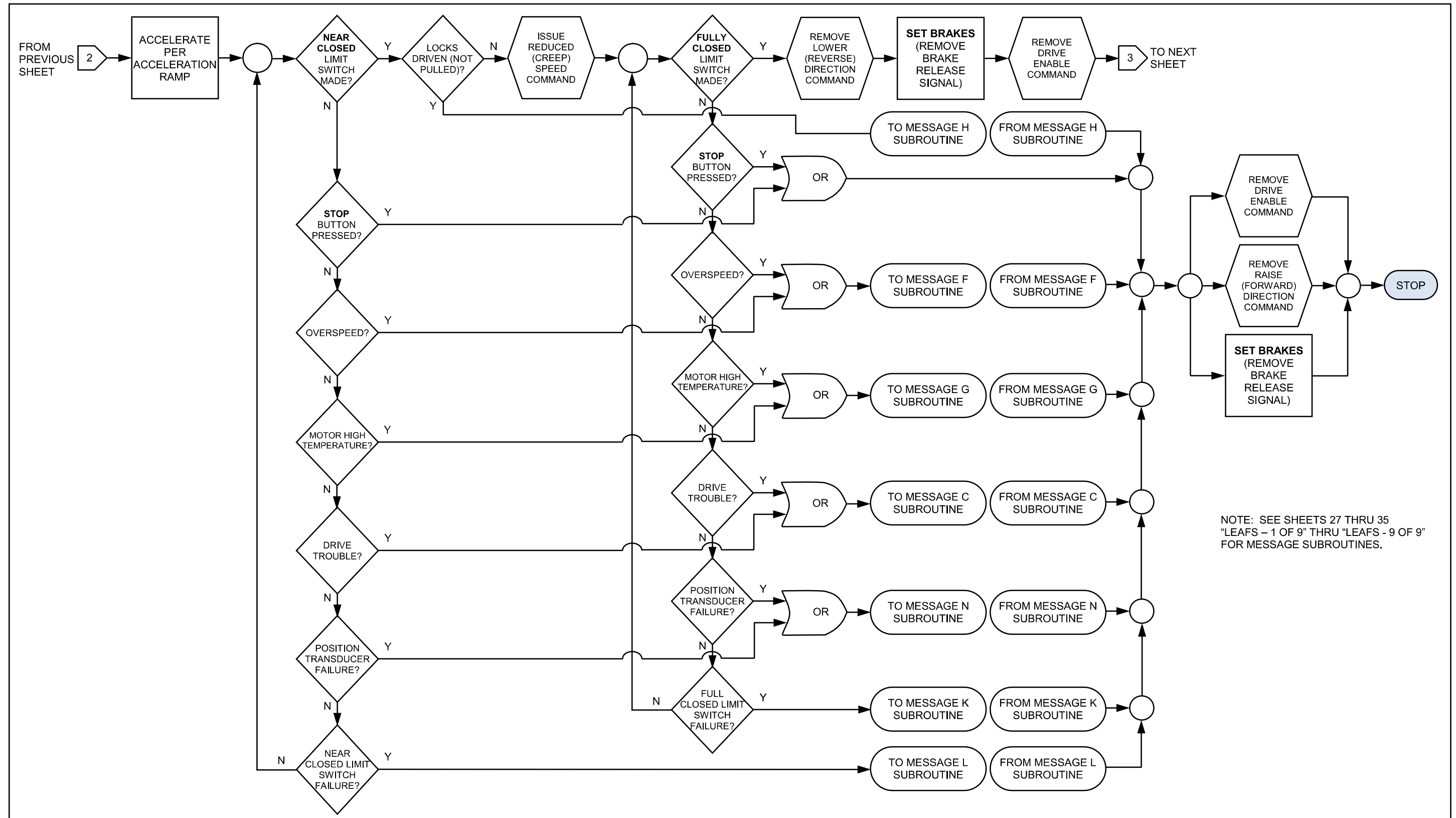
ALARMS THIS SHEET:

1. FULL SEATED LIMIT SWITCH FAILURE (AN-141, AN-147, AN-153, AN-159)
2. POSITION TRANSDUCER FAILURE (AN-146, AN-152, AN-158, AN-164)

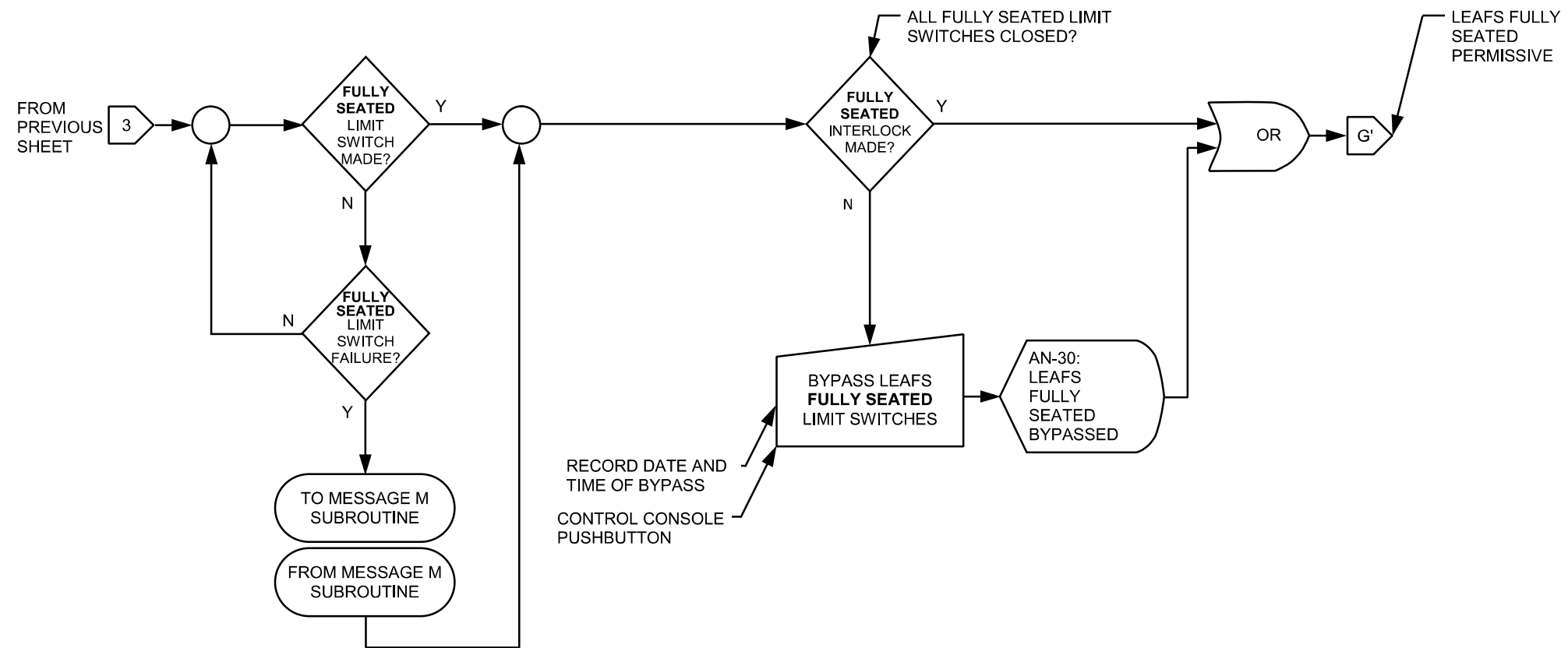
LEAFS – CLOSING – 1 OF 2



LEAFS – CLOSING – 2 OF 2

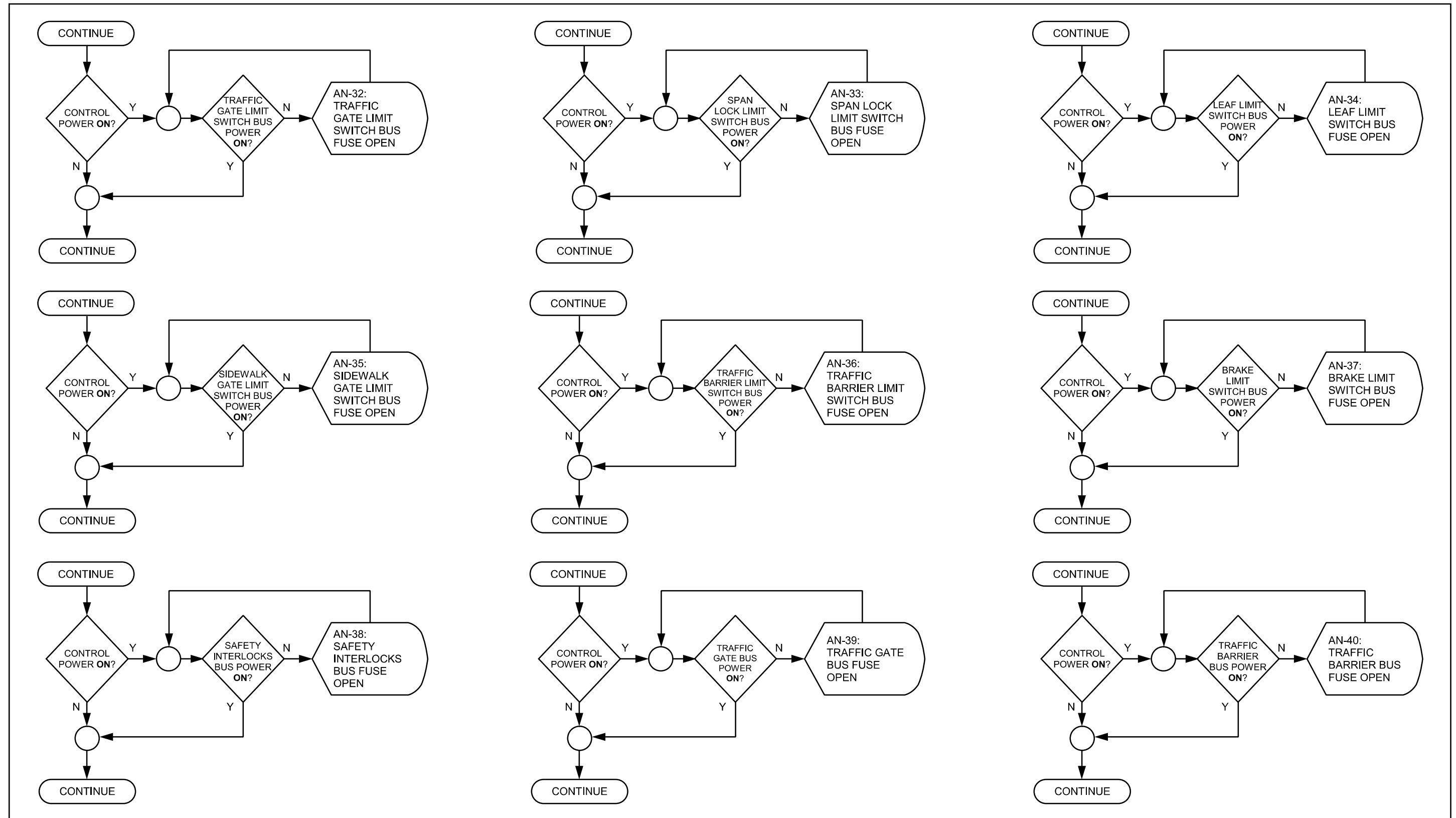


LEAFS – SEATED



ALARMS THIS SHEET:
 1. LEAF(S) FULLY SEATED BYPASSED (AN-30)

MISCELLANEOUS – 1 OF 2



MISCELLANEOUS – 2 OF 2

