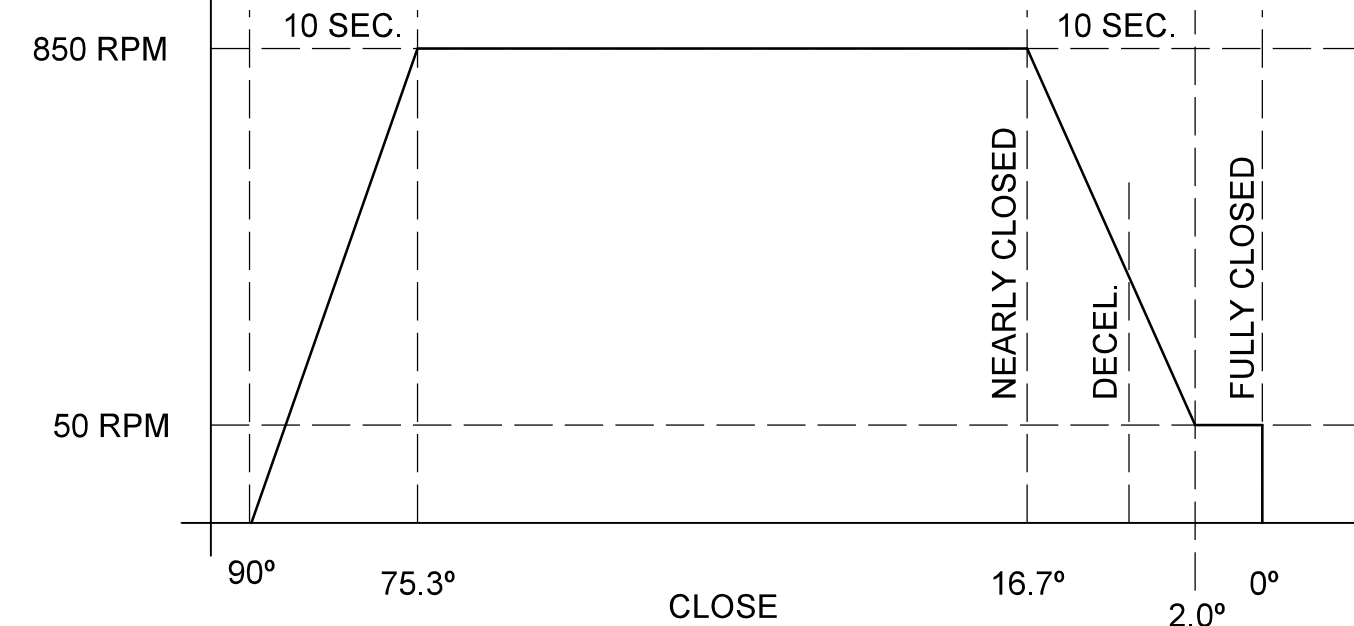
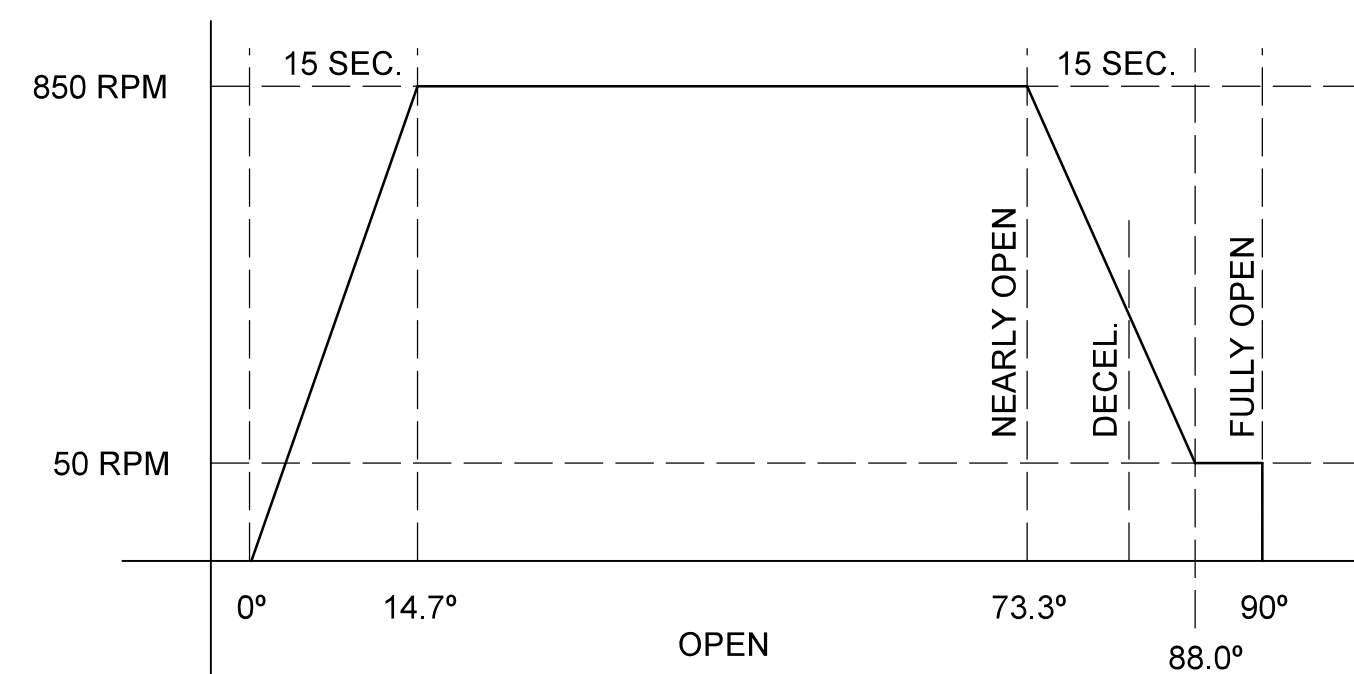
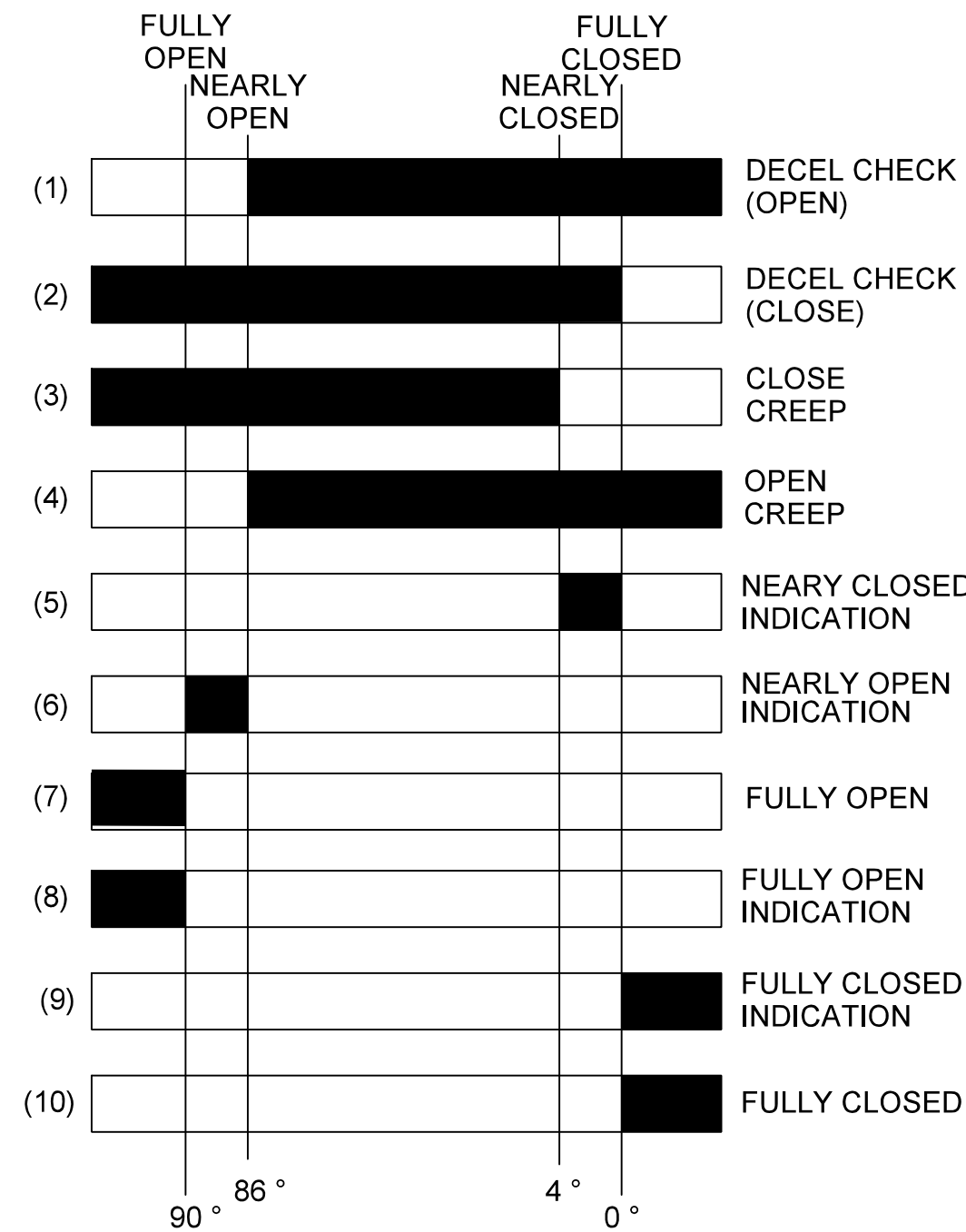
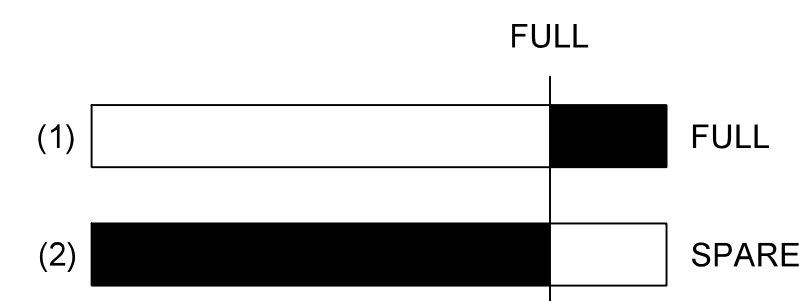


DEVELOPMENT: SPAN ROTARY LIMIT SWITCH (EXISTING)
(LS-SPAN-RLS)

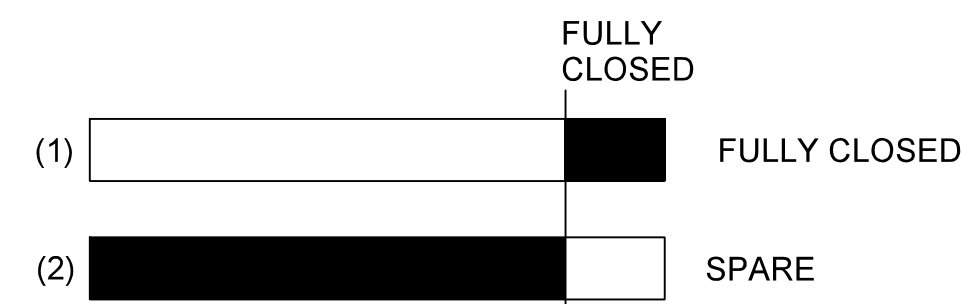


DEVELOPMENT: LEAF SPEED VERSUS POSITION

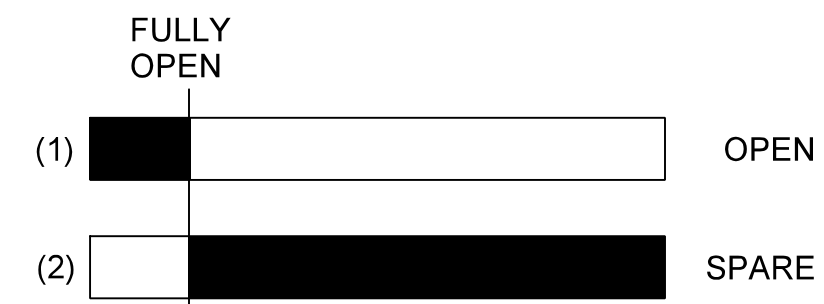
DEVELOPMENT - WASTE WATER FLOAT SWITCH
(LS-WASTE)



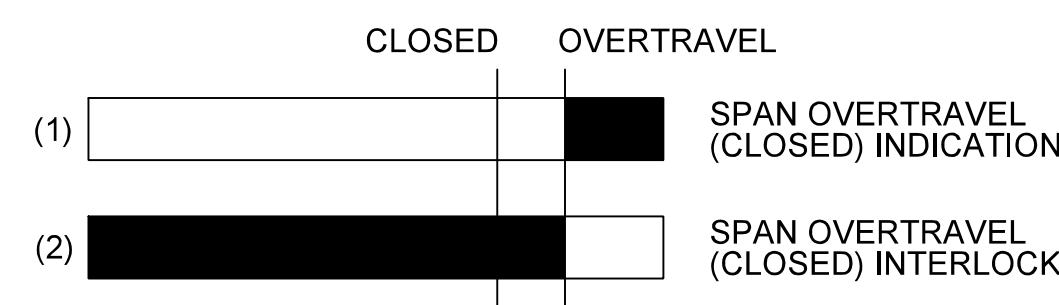
DEVELOPMENT - SPAN FULLY CLOSED PROXIMITY LIMIT SWITCHES
(LS-SPAN-FC)



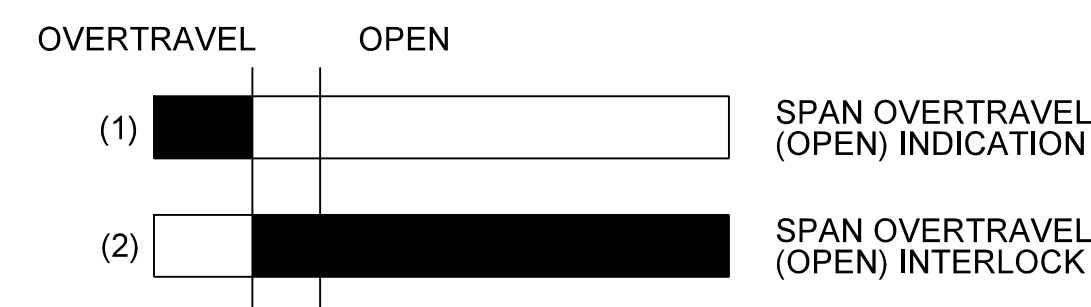
DEVELOPMENT - SPAN FULLY OPEN PROXIMITY LIMIT SWITCHES
(LS-SPAN-FO)



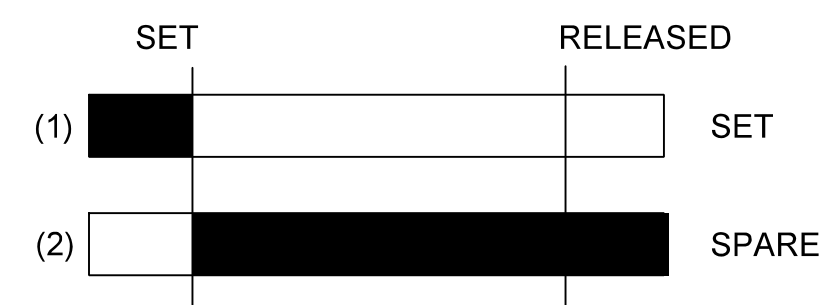
DEVELOPMENT - SPAN FULLY CLOSED OVERTRAVEL PROXIMITY LIMIT SWITCHES
(LS-SPAN-FC-OT)



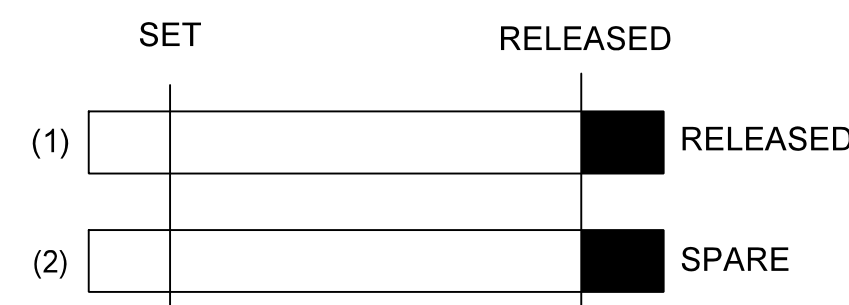
DEVELOPMENT - SPAN FULLY OPEN OVERTRAVEL PROXIMITY LIMIT SWITCHES
(LS-SPAN-FO-OT)



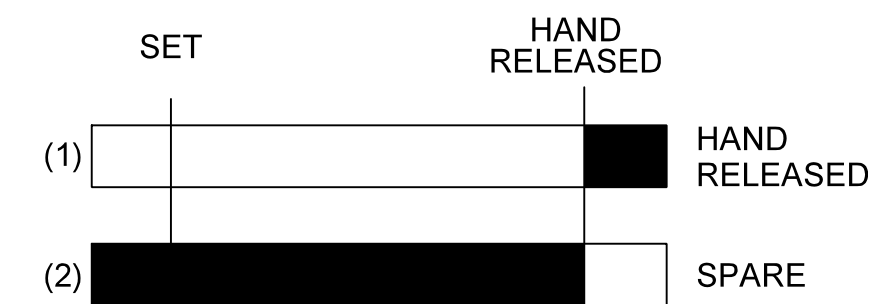
DEVELOPMENT - BRAKE SET LEVER ARM LIMIT SWITCHES
(LS-MB-SET, LS-MHB1-SET, LS-MHB2-SET)



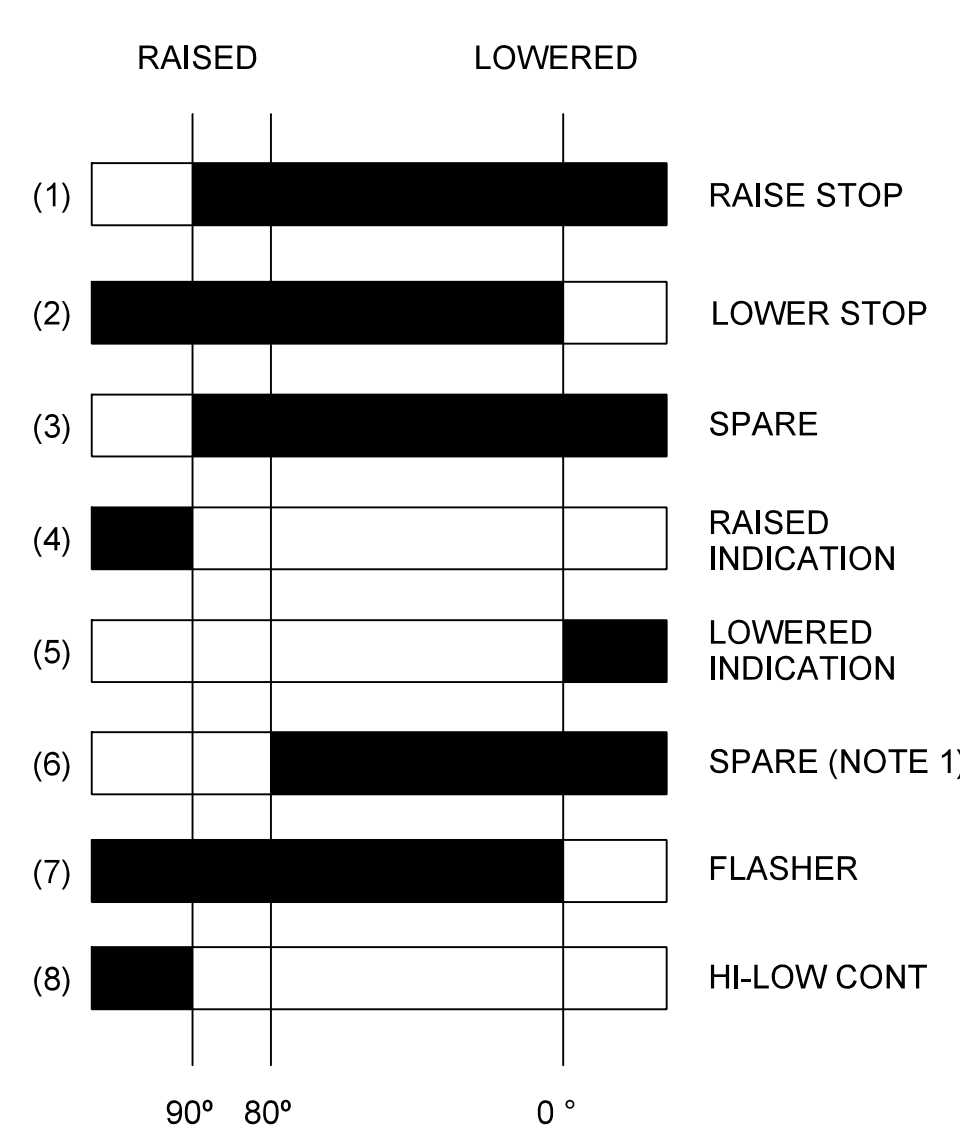
DEVELOPMENT - BRAKE RELEASED LEVER ARM LIMIT SWITCHES
(LS-MB-REL, LS-MHB1-SET, LS-MHB2-SET)



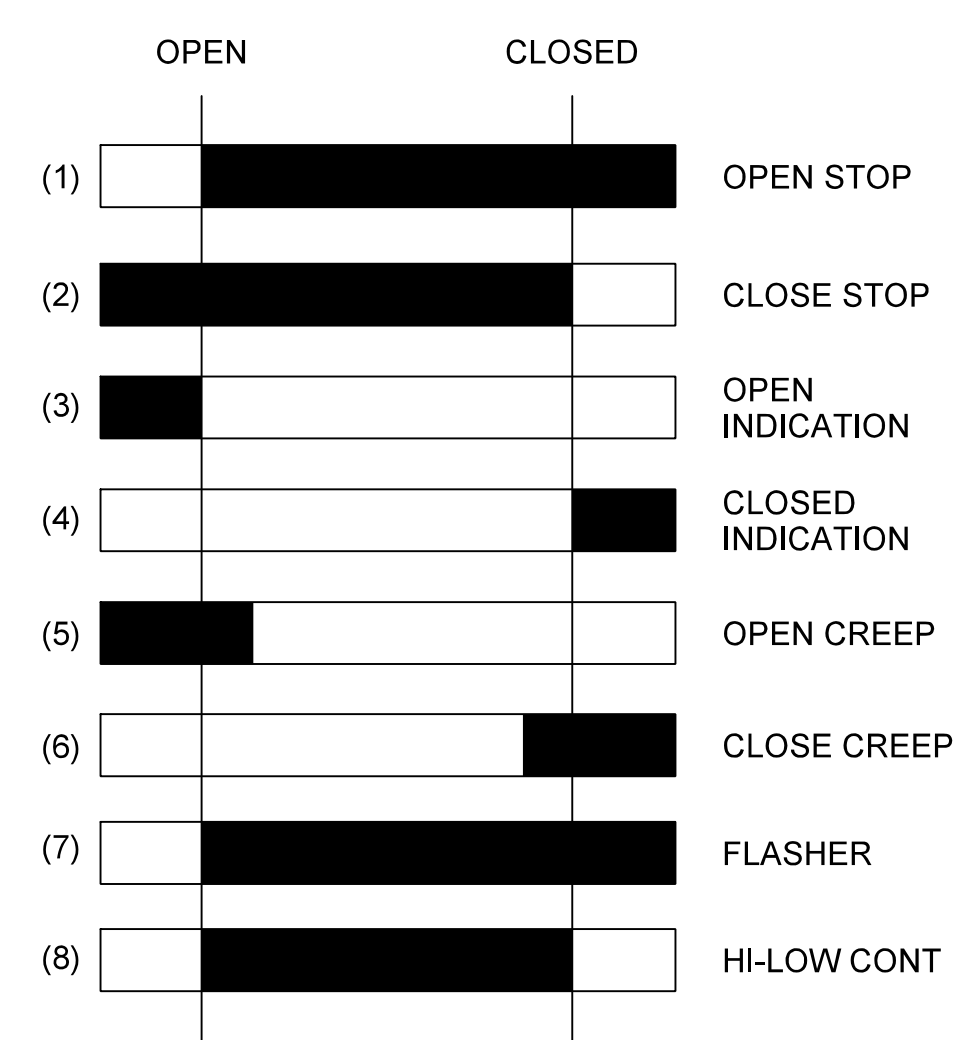
DEVELOPMENT - BRAKE HAND RELEASED LEVER ARM LIMIT SWITCHES
(LS-MB-HR, LS-MHB1-HR, LS-MHB2-HR)



DEVELOPMENT: TRAFFIC GATE ROTARY LIMIT SWITCH (EXISTING)
(LS-WG-NON, LS-WG-NOF, LS-WG-FON, LS-WG-FOF)



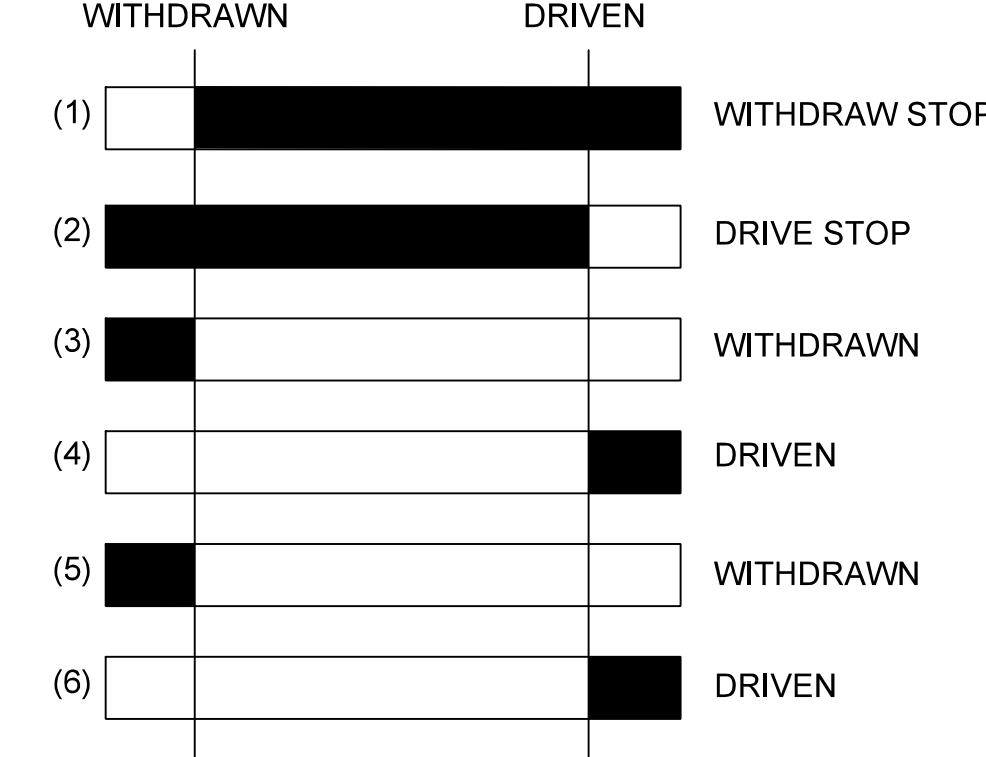
DEVELOPMENT: BARRIER GATE ROTARY LIMIT SWITCH (EXISTING)
(LS-BG-N, LS-BG-F)



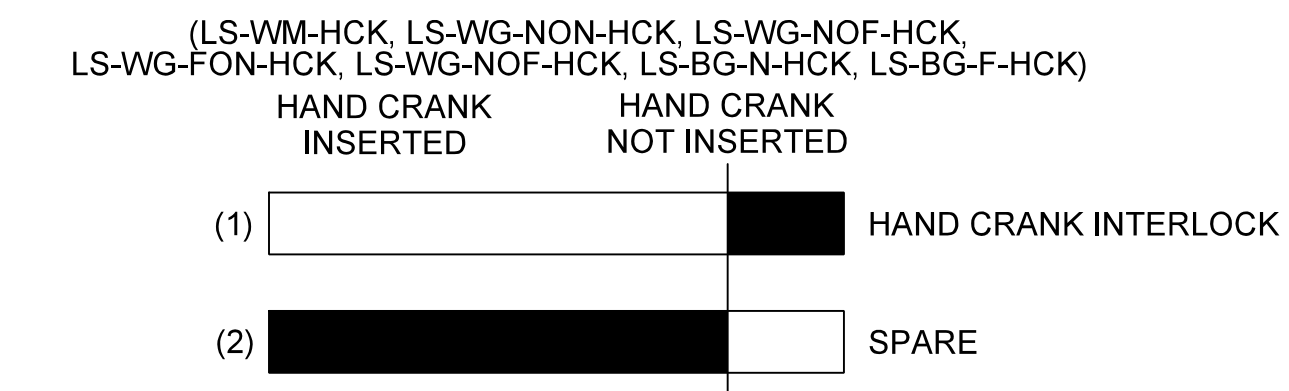
DEVELOPMENT - GATE DOOR LIMIT SWITCH



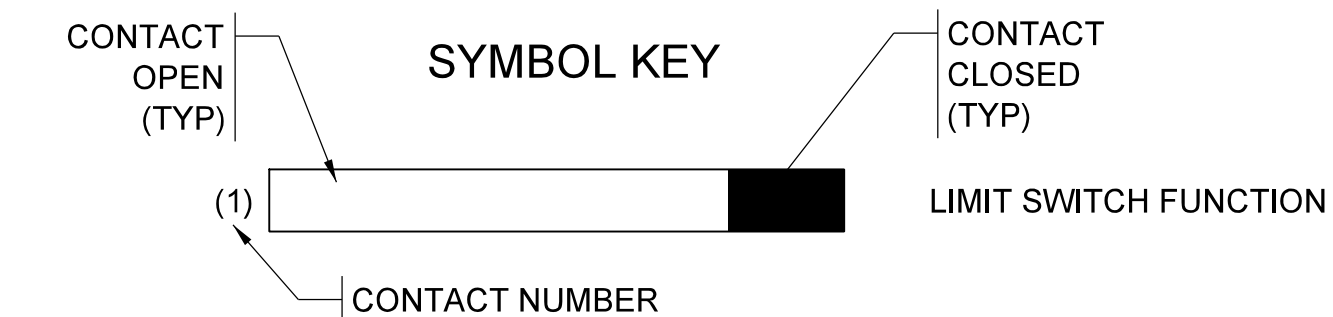
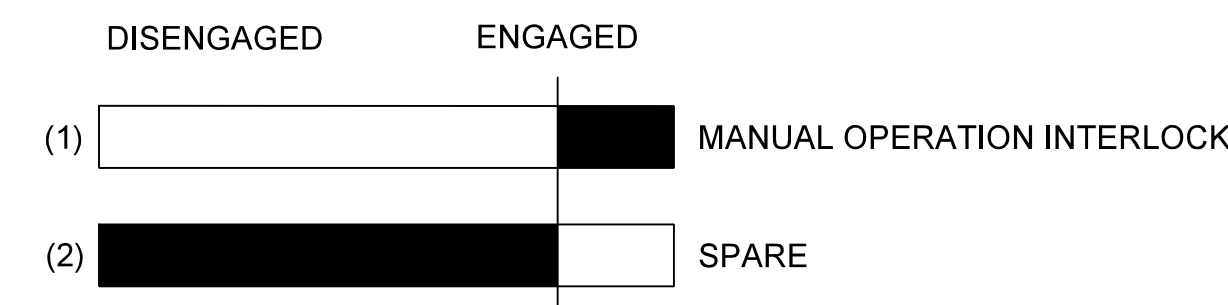
DEVELOPMENT - WEDGE MOTOR ROTARY LIMIT SWITCH
(LS-WM-RLS)



DEVELOPMENT - TYPICAL MOTOR HAND CRANK LIMIT SWITCH



DEVELOPMENT - AUXILIARY MOTOR MANUAL OPERATION LIMIT SWITCH
(LS-ASD-MO)



NOTES:

1. CONTRACTOR SHALL ADJUST GATE ARM LIMIT 80 DEGREE SETTING IN THE FIELD. THE PURPOSE OF THE LIMIT SWITCH CONTACT IS TO ACTIVATE THE TRAFFIC WARNING LIGHTS IF THE GATE ARM LOWERS FROM FULLY RAISED, WHEN THE GATE ARM IS SUPPOSED TO BE LOCKED IN THE FULLY UPRIGHT POSITION. THE CAM DEGREE SETTING SHALL BE SET SUCH THAT DEGREE SETTING SHALL BE AS CLOSE TO FULLY RAISED AS POSSIBLE, WITHOUT CAUSING THE TRAFFIC LIGHTS TO ENERGIZE WHEN THE GATE ARM IS IN IT'S NORMAL UPRIGHT POSITION.

PROJECT NO. B-5936
TYRRELL COUNTY
BRIDGE NO: 7

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
LIMIT SWITCH DEVELOPMENT & SPAN POSITION SPEED GRAPHS
ALLIGATOR RIVER SWING SPAN

REVISIONS						SHEET NO.
NO	BY	DATE	NO	BY	DATE	E-28
1			3			TOTAL SHEETS
2			4			51

DRAWN BY: _QIV DATE: 8/8/2016
CHECKED BY: _MJT DATE: 8/8/2016
DESIGN ENGINEER OF RECORD: _CHS DATE: 8/8/2016

DWG NUMBER 44 TOTAL DWGS 90 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

