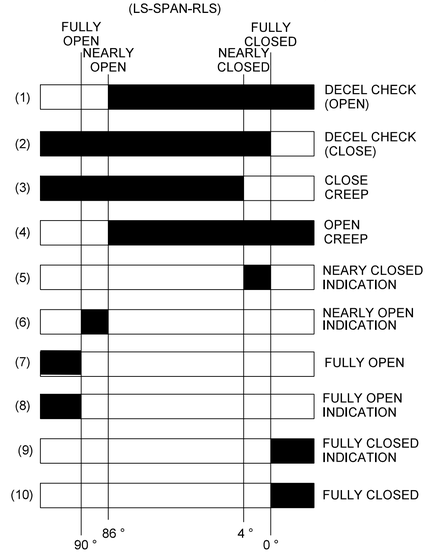
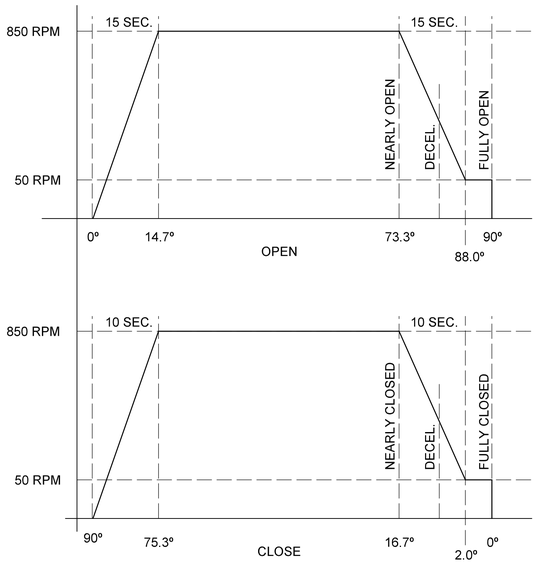
DEVELOPMENT: SPAN ROTARY LIMIT SWITCH (EXISTING)

(LS-SPAN-RLS)

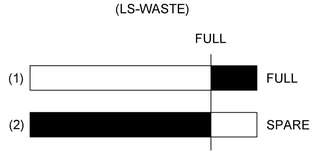




DEVELOPMENT: LEAF SPEED VERSUS POSITION

DEVELOPMENT - WASTE WATER FLOAT SWITCH

(LS-WASTE)

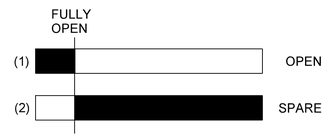


DEVELOPMENT - SPAN FULLY CLOSED PROXIMITY LIMIT SWITCHES

(LS-SPAN-FC)

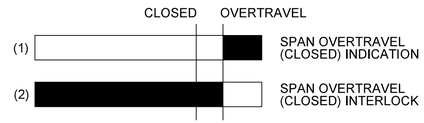
DEVELOPMENT - SPAN FULLY OPEN PROXIMITY LIMIT SWITCHES

(LS-SPAN-FO)



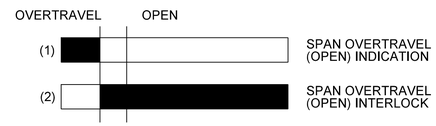
DEVELOPMENT - SPAN FULLY CLOSED OVERTRAVEL PROXIMITY LIMIT SWITCHES

(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

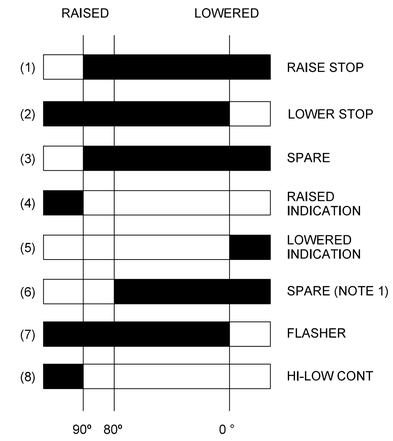
(LS-MB-REL, LS-MHB1-SET, LS-MHB2-SET)

DEVELOPMENT - BRAKE HAND RELEASED LEVER ARM LIMIT SWITCHES

(LS-MB-HR, LS-MHB1-HR, LS-MHB2-HR)

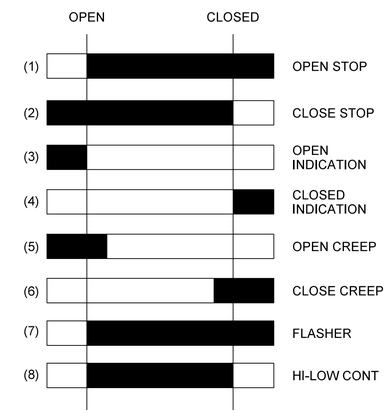
DEVELOPMENT: TRAFFIC GATE ROTARY LIMIT SWITCH (EXISTING)

(LS-WG-NON, LS-WG-NOF, LS-WG-FON, LS-WG-FOF)



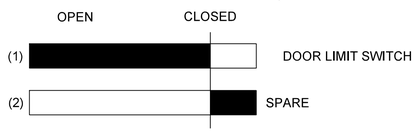
DEVELOPMENT: BARRIER GATE ROTARY LIMIT SWITCH (EXISTING)

(LS-BG-N, LS-BG-F)



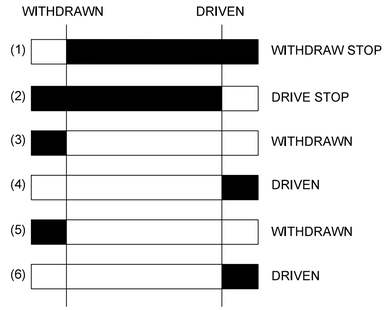
DEVELOPMENT - GATE DOOR LIMIT SWITCH

(LS-WG-NON-DO, LS-WG-NOF-DO, LS-WG-FON-DO, LS-WG-NOF-DO, LS-BG-N-DO LS-BG-F-DO)



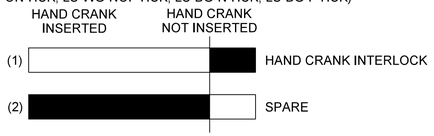
DEVELOPMENT- WEDGE MOTOR ROTARY LIMIT SWITCH

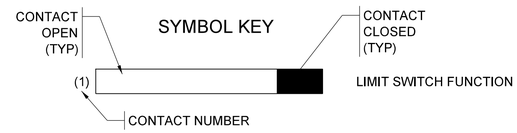
(LS-WM-RLS)



DEVELOPMENT - TYPICAL MOTOR HAND CRANK LIMIT SWITCH

(LS-WM-HCK, LS-WG-NON-HCK, LS-WG-NOF-HCK, LS-WG-FON-HCK, LS-WG-NOF-HCK, LS-BG-N-HCK, LS-BG-F-HCK)





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

DRAWN BY: OIV DATE : 8/8/2016
CHECKED BY: MJT DATE : 8/8/2016
DESIGN ENGINEER OF RECORD: CHS DATE : 8/8/2016

Hardesty & Hanover
engineering that moves you

DocuSigned by: Scott Reynolds BFEC5720F8F14B0... 1/11/2017

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036065 SCOTT A. REYNOLDS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DWG NUMBER	TOTAL DWGS
44	90

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

$$$$$$$SYSTIME$$$$$$
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