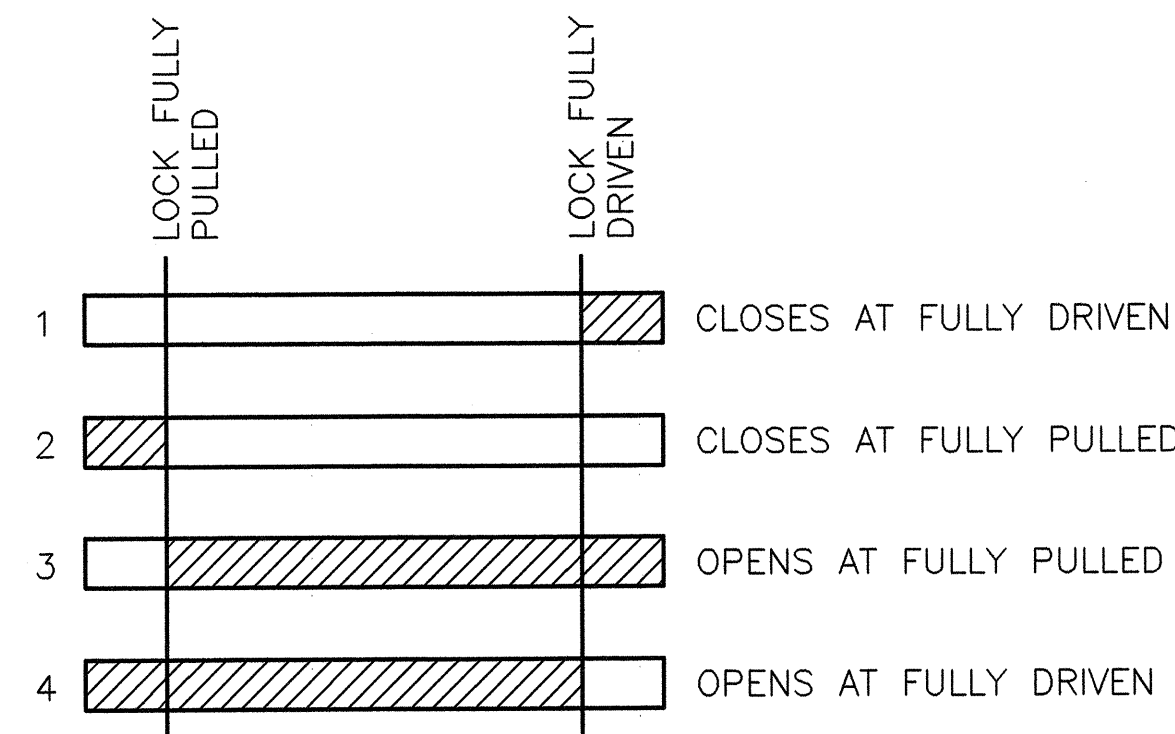


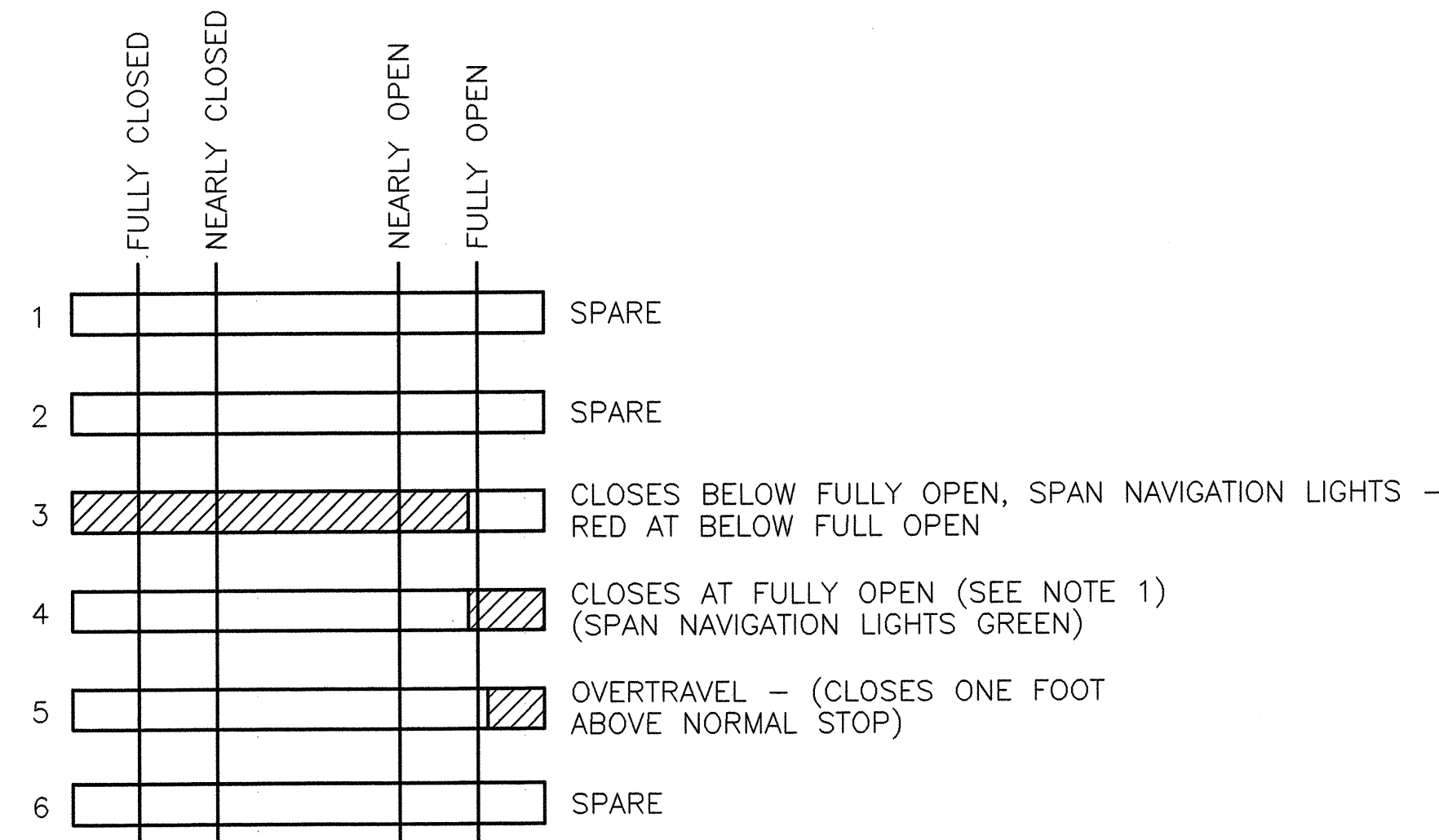
**WARNING GATE LIMIT SWITCHES**

LS-WG, LS-EG  
(EXISTING)



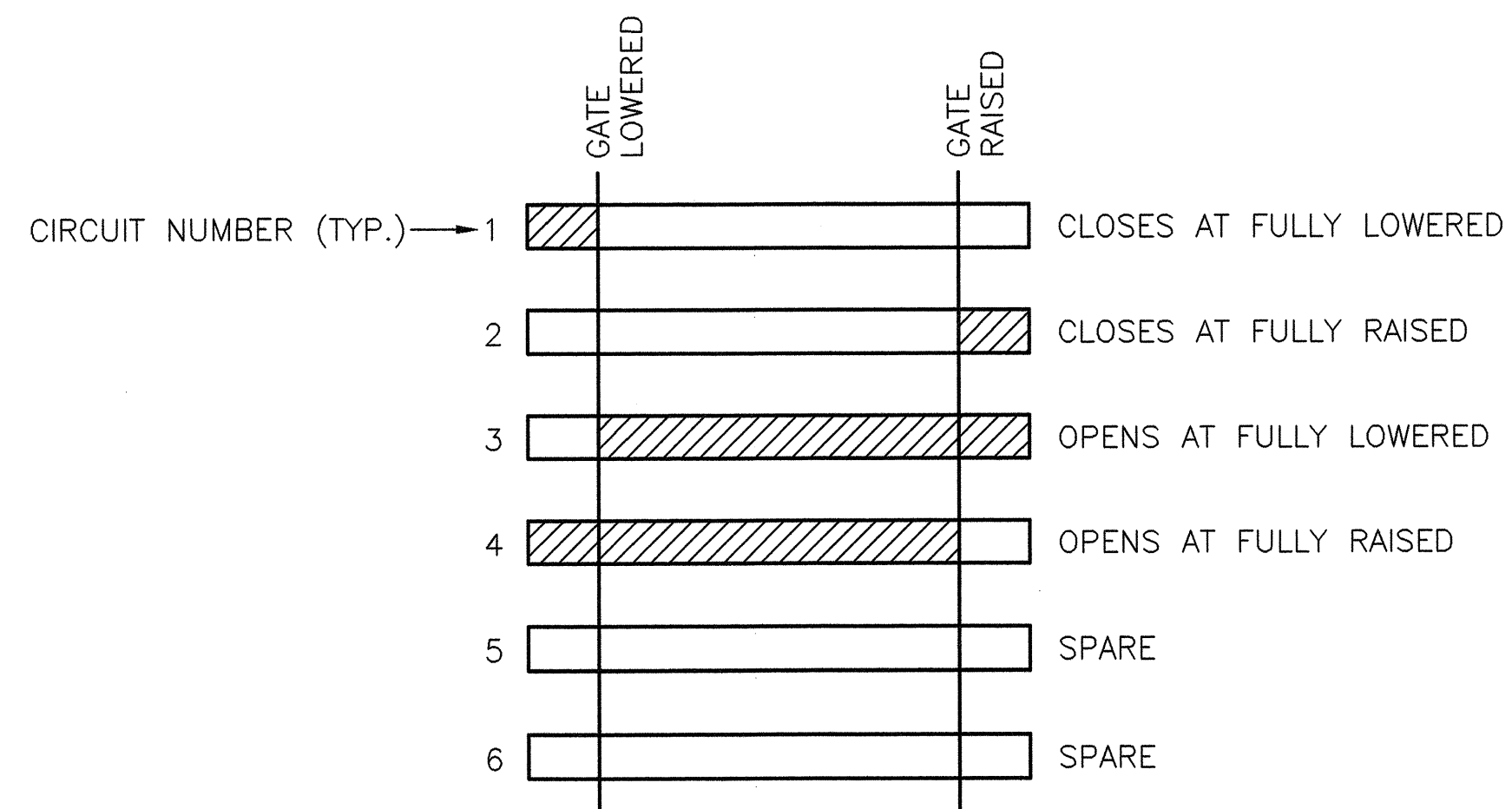
**SPAN LOCK LIMIT SWITCHES**

LS-ESL, LS-WSL  
(EXISTING)



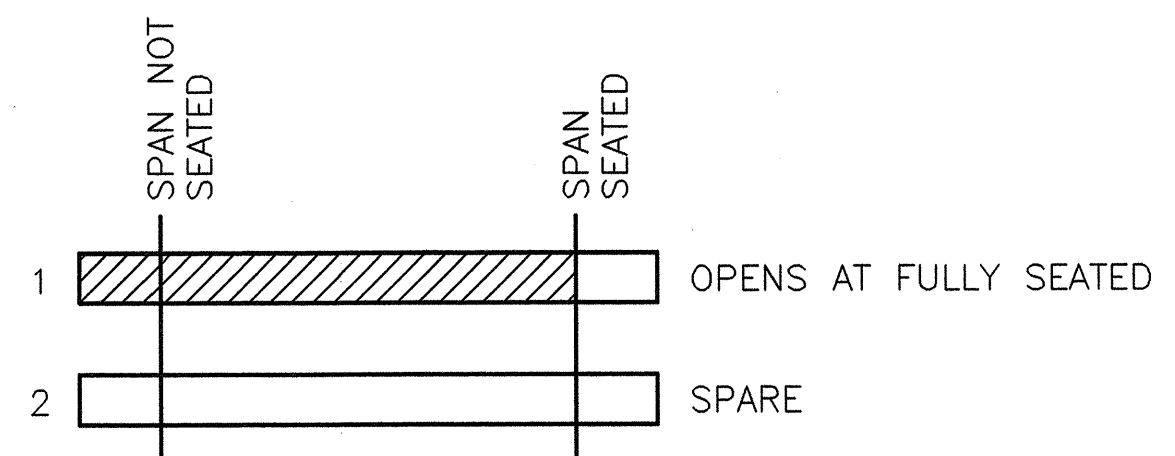
**SPAN CONTROL LIMIT SWITCH**

LS-SC  
(E107)



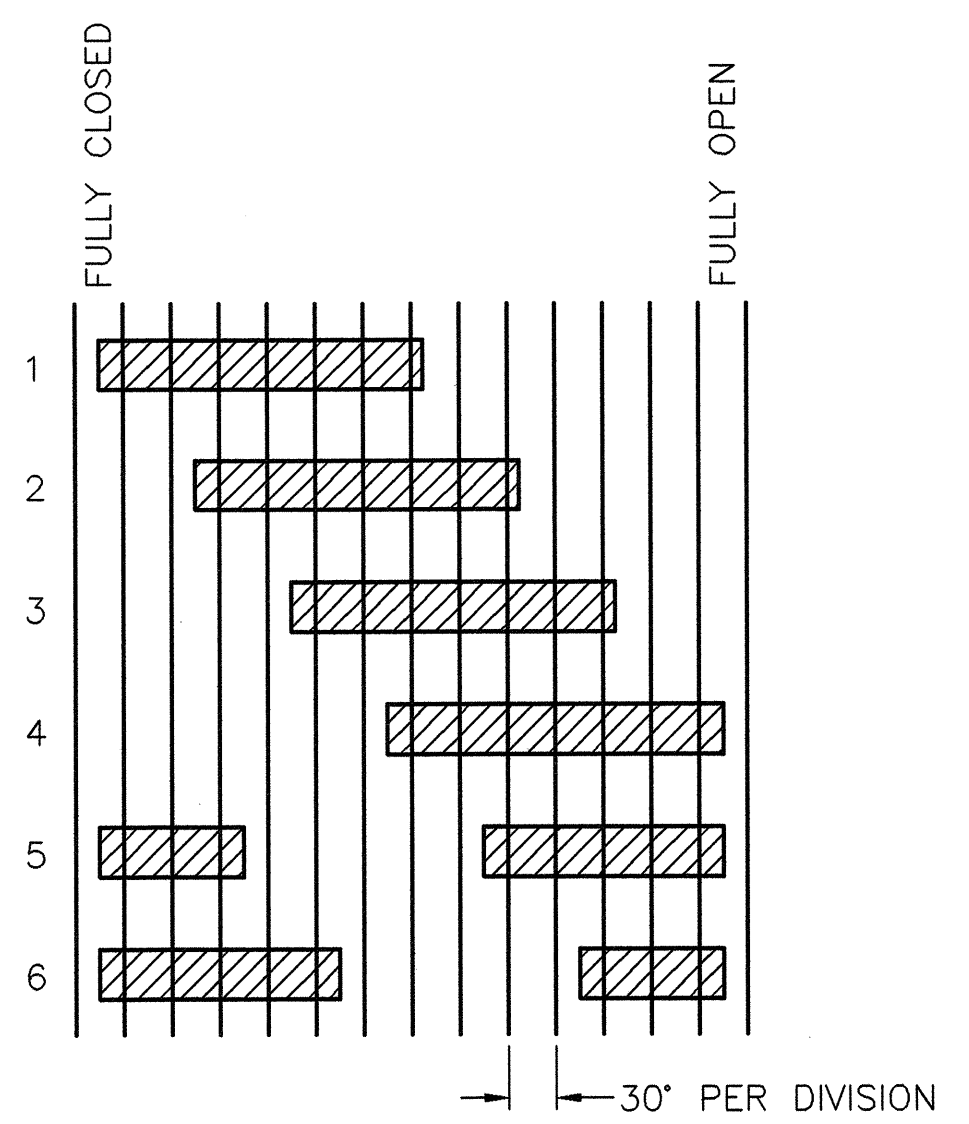
**BARRIER GATE LIMIT SWITCHES**

(PART OF NEW BARRIER GATE ASSEMBLY)  
LS-WB, LS-EB



**SPAN FULLY SEATED LIMIT SWITCHES**

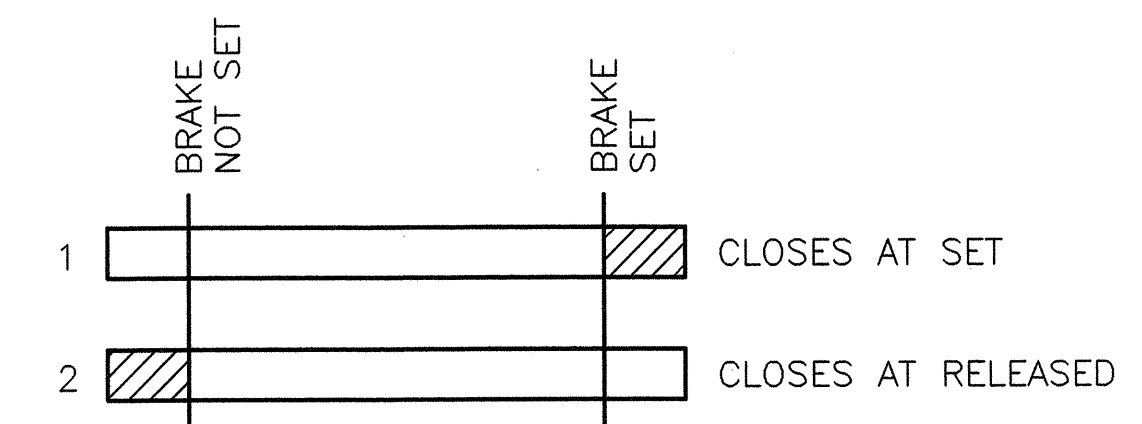
LS-SSNE, LS-SSSE, LS-SSNW, LS-SSSW  
(EXISTING PROXIMITY SWITCHES)



**SKREW SHUTDOWN LIMIT SWITCH**

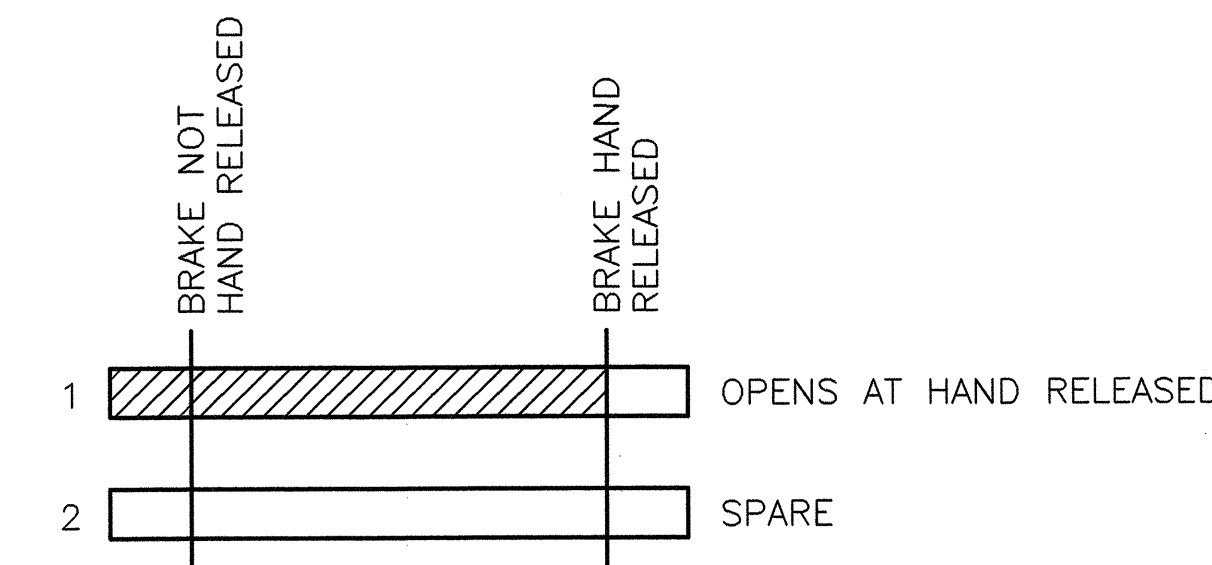
(2 PLACES)  
(E123)

INDIVIDUAL DWELL = 180'  
OVERLAP = 120'



**BRAKE LIMIT SWITCHES**

LS-MOBE, LS-MABE1, LS-MABW1,  
LS-MOBW, LS-MABE2, LS-MABW2



**BRAKE HAND RELEASED LIMIT SWITCHES**

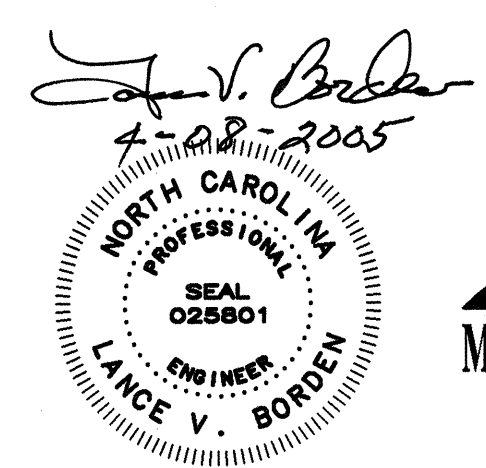
LS-MOBEHR, LS-MABE1HR, LS-MABE2HR,  
LS-MOBWHR, LS-MABW1HR, LS-MABE2HR

**NOTES:**

1. THE FULL OPEN SETTING OF THIS SWITCH SHALL BE FIELD DETERMINED SUCH THAT IT SENSES FULL OPEN SLIGHTLY BEFORE THE FULL OPEN SETTING OF THE RESOLVER (I.E. SO THAT THE SPAN NAVIGATION LIGHTS TURN GREEN BEFORE THE MASTER RAISE SEQUENCE IS DE-ENERGIZED AND THE BRIDGE COMES TO A COMPLETE STOP.)
2. BRAKE, SPAN LOCK AND WARNING GATE SWITCHES ARE EXISTING. BARRIER GATE AND SPAN CONTROL SWITCHES ARE NEW.
3. TEST EXISTING LIMIT SWITCHES ON WARNING GATES, SPAN LOCKS AND BRAKES FOR PROPER OPERATION. CLEAR CONTACTS, ADJUST IF NECESSARY.

**LEGEND**

- CONTACTS CLOSED
- CONTACTS OPEN



STATE OF NORTH CAROLINA			
DEPARTMENT OF TRANSPORTATION			
RALEIGH			
CAPE FEAR RIVER CROSSING			
WILMINGTON, NORTH CAROLINA			
LIMIT SWITCH CONTACT SETTINGS			
DESIGNED	G.L. FASICK	DATE	APRIL, 2005
CHECKED	L.R. BAKER	DRAWING NO.	44 OF 53
SCALE	NONE	DRAWN BY	R.L. REED
DATE	APRIL, 2005	CHECKED	G.L. FASICK