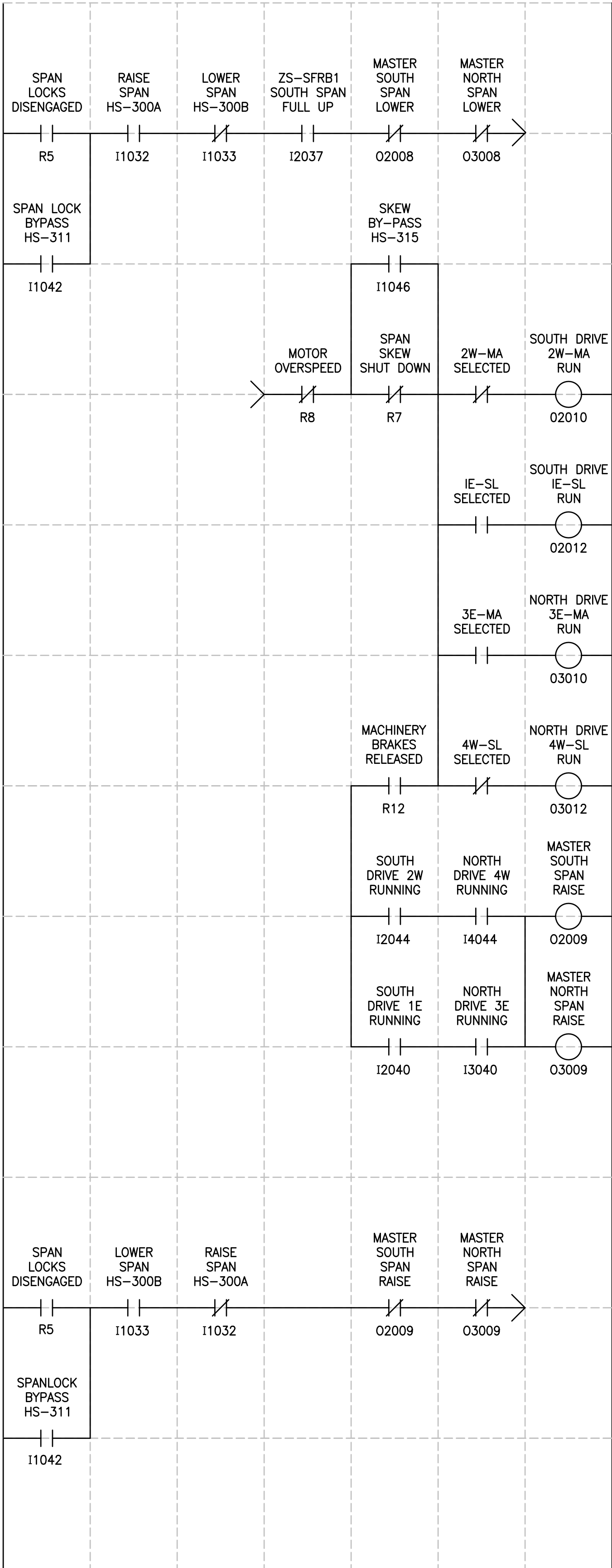
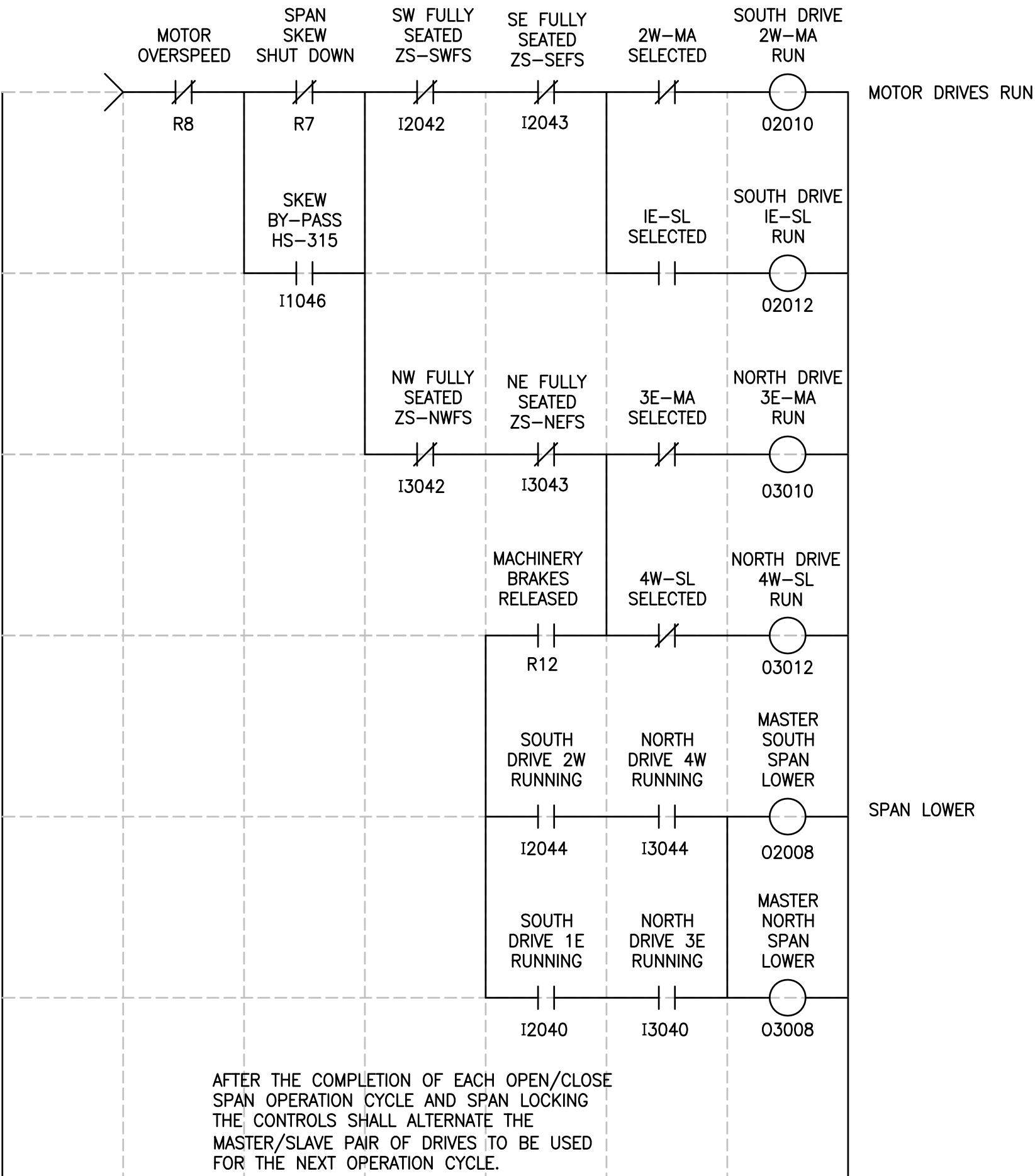


SPAN DRIVES COMMANDS



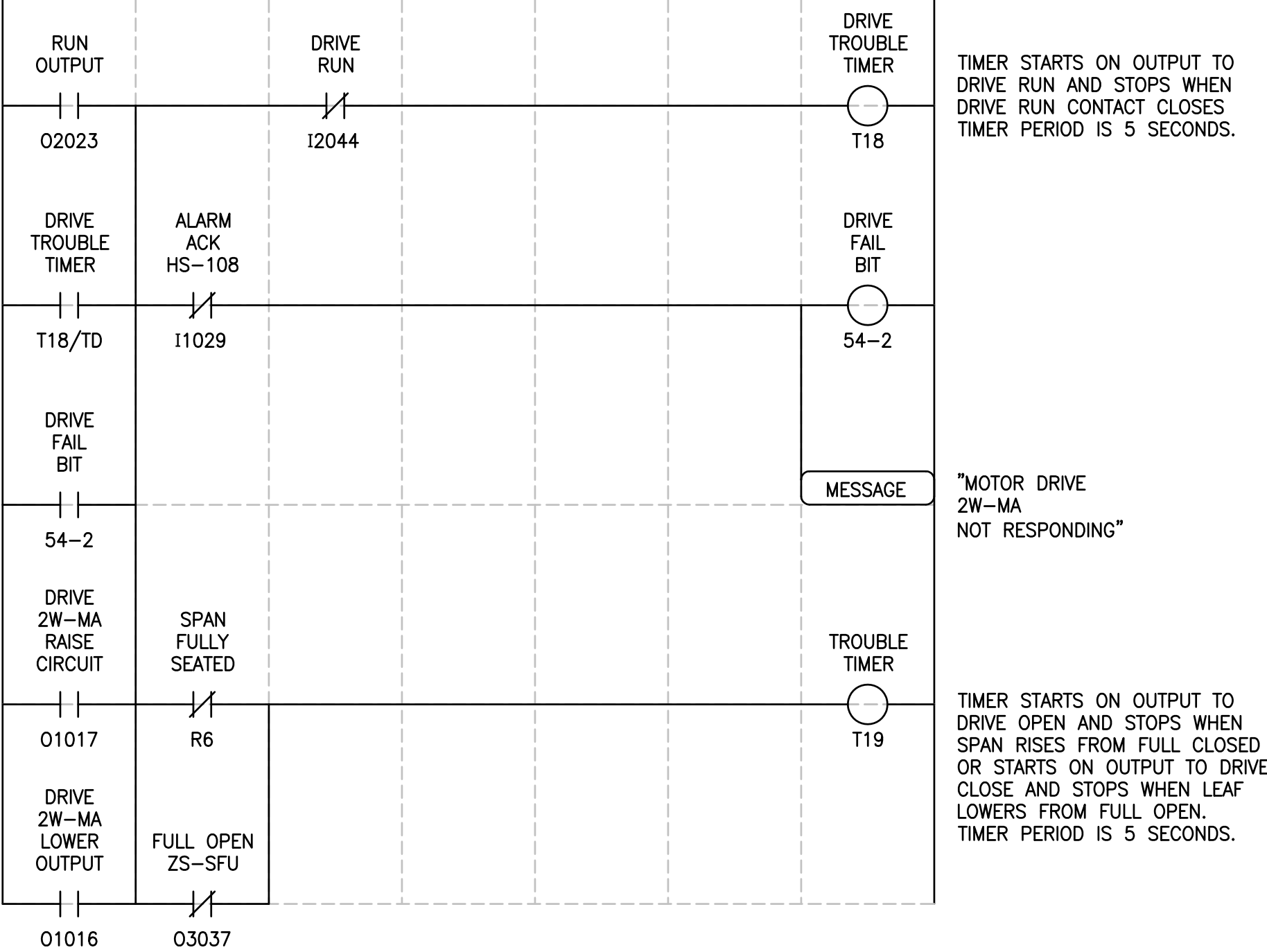
NOTE:
THE LADDER DIAGRAMS ON THE FOLLOWING SHEETS ARE INTENDED TO SHOW TYPICAL INTERLOCK LOGIC AND STYLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DEVELOPMENT OF THE PLC PROGRAMS IN ACCORDANCE WITH THESE PLANS AND WRITTEN DESCRIPTIONS IN THE TECHNICAL SPECIAL PROVISIONS.

SPAN DRIVES COMMAND CONT.



MOTOR DRIVE MONITORING

2W-MA SHOWN, TYPICAL FOR 1E-SL, 3E-MA & 4W-SL



TIMER STARTS ON OUTPUT TO DRIVE RUN AND STOPS WHEN DRIVE RUN CONTACT CLOSES. TIMER PERIOD IS 5 SECONDS.

"MOTOR DRIVE 2W-MA NOT RESPONDING"

TIMER STARTS ON OUTPUT TO DRIVE OPEN AND STOPS WHEN SPAN RISES FROM FULL CLOSED OR STARTS ON OUTPUT TO DRIVE CLOSE AND STOPS WHEN LEAF LOWERS FROM FULL OPEN. TIMER PERIOD IS 5 SECONDS.

Public Works and Government Services Canada
Architectural and Engineering Services
Ontario Region
Travaux publics et Services gouvernementaux Canada
Services d'architecture et de génie
Région de l'Ontario

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Name: Mark VanDeRee
Number: 100181047-02
Limitations: Electrical system design for the Burlington Canal Bridge in Burlington, Ontario for Public Works and Government Services Canada

Collaborator: Zvonko Trajkovic, P. Eng.
Expiry Date: July 31, 2013
Association of Professional Engineers of Ontario

Mark VanDeRee 2013-07-08



07	FOR TENDER 2	2013-06-30
06	FOR TENDER	2013-06-04
05	FINAL DESIGN COMPLETION	2013-05-31
04	99% DESIGN COMPLETION	2013-05-31
03	90% DESIGN SUBMITTAL	2013-03-31
02	66% DESIGN SUBMITTAL	2013-02-14
01	33% DESIGN SUBMITTAL	2012-12-10

revision		date
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Do not scale drawings.
Verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.

A	Detail No. No. du détail
B	drawing no. - where detail required dessin no. - où détail exigé
C	drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet
HAMILTON BURLINGTON CANAL VERTICAL LIFT BRIDGE
REPLACEMENT OF CONTROLS, DRIVES AND OVERHEAD CABLES

drawing title
titre du dessin
PLC LADDER DIAGRAM 7: DRIVES

drawn by
dessiné par
J. Perez

designed by
conc par
G. Patino/B. Crouthamel

approved by
approuvé par
M. Vanderee

bid
soumission
A. Ghubril

project manager
administrateur
de projets

project date
date du projet
2013-05-31

project no.
no. du projet
R.012641.001

drawing no.
dessiné no.
E-51