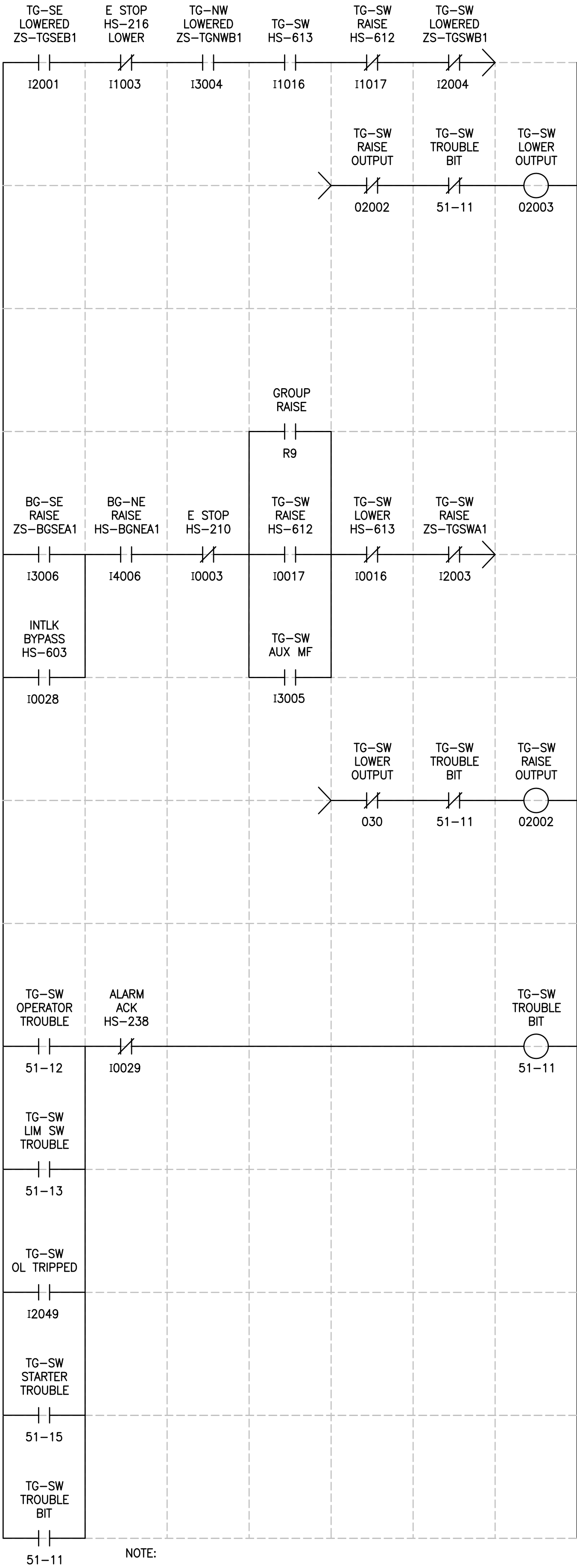


TG-SW OFF GOING SHOWN, TYPICAL FOR TG-NE & PD-NE



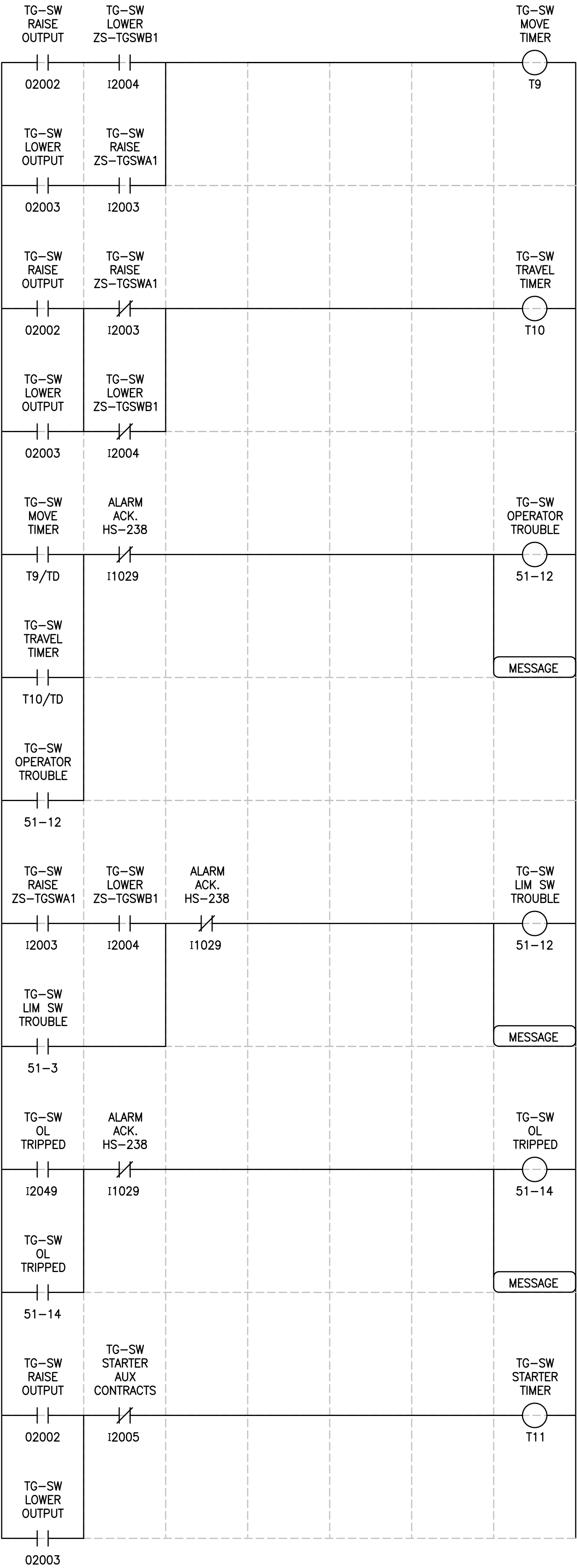
OUTPUT TO TG-SW STARTER REVERSE CONTACTOR. OUTPUT IS ENABLED WHEN BOTH ON COMING GATES ARE LOWERED.

OUTPUT TO TG-SW STARTER RAISE CONTACTOR. OUTPUT IS ENABLED WHEN BOTH BARRIER GATE ARE RAISED. CONTROL IS SEALED ON WITH MOTOR STARTER AUX CONTACTOR.

ALARM IS HELD ON UNTIL ACKNOWLEDGE BUTTON IS PUSHED

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.

TRAFFIC GATES OFF GOING (CONT'D)



2 SECOND TIME DELAY TO PROVE GATE IS MOVING WHEN OUTPUT IS ON

8 SECOND TIME DELAY TO PROVE GATE HAS GONE TO FULL TRAVEL

"SOUTH WEST GATE TRAFFIC OPERATOR TROUBLE"

"SOUTH WEST GATE TRAFFIC SWITCH TROUBLE"

"SOUTH WEST GATE TRAFFIC OVERLOAD TRIPPED"

1 SECOND TIME DELAY TO PROVE STARTER HAS CLOSED

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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Number: 100181047-02
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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
Do not scale drawings. Verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.		

A	Detail No.
B	No. du détail
C	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 3: GATES

drawn by
dessiné par
J. Perez

designed by
conc par
G. Patino/B. Crouthamel

approved by
approuvé par
M. Vanderee

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A. Ghubril

project manager
administrateur de projets

project date
date du projet
2013-05-31

project no.
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R.012641.001

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E-47