


ELECTRICAL EQUIPMENT LIST (PARTIAL SHOWING MAJOR EQUIPMENT CONTINUED)

NO.	ITEM	QTY.	DESCRIPTION	FUNCTION	LOCATION	COMMENTS
141	ULTIMATE SKEW RESOLVER	2	ULTIMATE SKEW RESOLVER	SPAN ULTIMATE SKEW CONTROL	NORTH AND SOUTH MTR RM	FROM S TWR
142	SPAN POSITION TRANSMITTER	1	HEIGHT ENCODER	SPAN HEIGHT CONTROL	SOUTH MTR RM	FROM S TWR
143	MAIN PLC PNL CP-1	1	I/O PNL CP-1	BRIDGE CONTROL	CONTROL RM	FROM S CONTROL BUILDING
144	CONTROL PNL CP-2, CPU 1, CPU 2	1	I/O PNL CP-2 AND CENTRAL PROCESS UNITS	BRIDGE CONTROL	ELECTRICAL EQUIPMENT RM	FROM S CONTROL BUILDING
145	PLC PNL CP-3	1	I/O PNL CP-3	BRIDGE CONTROL	SOUTH MTR RM	FROM S TWR
146	PLC PNL CP-4	1	I/O PNL CP-4	BRIDGE CONTROL	NORTH MTR RM	FROM N TWR
147	SPEED SWITCH	2	DRIVE MOTOR HOS/LOS SPEED SWITCH	DRIVE MOTOR PROTECTION	NORTH AND SOUTH MTR RM	FROM N AND S TWR
148	HEIGHT METER	4	LOCAL SPAN HEIGHT METER	LOCAL SPAN POSITION INDICATION	NORTH AND SOUTH MTR RM	FROM N AND S TWR
149	LS	4	PLUNGER TYPE LS	SPAN FULLY SEATED	NW, NE, SW, SE CORNER BELOW SPAN	FROM N AND S TWR
150	LS	3	LEVER TYPE LS	REDUNDANT SPAN NEAR FULL OPEN, FULL OPEN, & NEAR FULL SEATED	SOUTH END OF SPAN STRUCTURE AT CW	FROM S TWR
151	LS	24	LEVER TYPE LS	MTR, MACH BRAKE ENGAGED, RELEASE, MAN. RELEASE	NORTH AND SOUTH MTR RM	FROM N AND S TWR
152	SKEW INCLINOMETER	1	WIRELESS TILT METER	ADDITIONAL SPAN SKEW CONTROL	SPAN MOVABLE STRUCTURE SOUTH SIDE	FROM S CONTROL BUILDING
153	SKEW INCLINOMETER TRANSCIVER	1	TILT TRANSCIVER	ADDITIONAL SPAN SKEW CONTROL	NORTH FACE OF CONTROL BUILDING	FROM S CONTROL BUILDING
154	NORTH LOCAL CONTROL PNL CP-7	1	LOCAL SPAN CONTROL PNL	LOCAL SPAN CONTROL	SOUTH MTR RM	FROM S TWR
155	PNL CP-6	1	TRAFFIC/PED SIGNAL SYSTEM CONTROL PNL	LOCAL TRAFFIC/PED. CONTROL	ELECTRICAL EQUIPMENT RM	FROM S CONTROL BUILDING
156	UPS	1	UPS POWER SUPPLY	PLC, CCTV, RADAR, ETC. POWER BACKUP	UPS RM	FROM S CONTROL BUILDING
157	UPS DIST. PNL	1	UPS PNL BD	UPS LOADS	UPS RM	FROM S CONTROL BUILDING
158	UPS BATTERY	1	UPS BATTERY PACK	UPS BACKUP	UPS RM	FROM S CONTROL BUILDING
159	CONTROL DESK CP-5	1	TRAFFIC/NAVIGATION/PED CONTROL DESK	TRAFFIC/NAV./PED. CONTROL	CONTROL RM	FROM S CONTROL BUILDING
160	LS	4	LEVER TYPE LS	AUX. DRIVE ENGAGED, DISENGAGED	NORTH AND SOUTH MTR RM	FROM N AND S TWR
161	LS	4	LEVER TYPE LS	SPAN LOCK ENGAGED, DISENGAGED	BELOW SPAN NORTH AND SOUTH	FROM N AND S TWR
162	LS	2	MICROSWITCH TYPE LS	SPAN LOCK HANDCRANK	BELOW SPAN NORTH AND SOUTH	FROM N AND S TWR
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NOTES:  
1. CONDUIT AND CABLE SCHEDULE AND SERVICE DESIGNATIONS ARE INTENDED AS A GUIDE FOR THE CONTRACTOR AND ARE NOT CONSIDERED TO BE COMPLETE. THE CONTRACTOR MUST COMPLETE THE SCHEDULE AND SUBMIT WITH THE SHOP DRAWINGS BASED ON CONTRACTOR SELECTED EQUIPMENT BRANDS AND MODELS AND FINAL CONFIGURATIONS.




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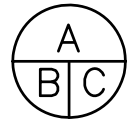

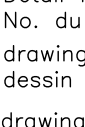
Professional Engineers  
Ontario

**Temporary Licensee**  
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.  
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Association of Professional Engineers of Ontario



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.		
<div><div><div>A Detail No. No. du détail</div></div><div><div><div>B drawing no. - where detail required dessin no. - où détail exigé</div></div><div><div><div>C drawing no. - where detailed dessin no. - où détaillé</div></div></div></div></div>		
<div>project title titre du projet</div> <div>HAMILTON ONTARIO BURLINGTON CANAL VERTICAL LIFT BRIDGE REPLACEMENT OF CONTROLS, DRIVES AND OVERHEAD CABLES</div>		
<div>drawing title titre du dessin</div> <div>ELECTRICAL EQUIPMENT LIST 2</div>		
<div>drawn by dessine par</div> <div>D. Buro</div>		
<div>designed by conc par</div> <div>D. Raffington/J. Chin</div>		
<div>approved by approuve par</div> <div>M. Vanderee</div>		
<div>bid soumission</div> <div>A. Ghubril</div> <div>project manager administrateur de projets</div>		
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