



BRIDGE MOTOR ROOM CONDUIT ROUTING - SOUTH SIDE

SCALE 1/4"=1'-0" 0 1 5 10ft.

## NOTE:

1. ALL CONDUIT RUNS AND EQUIPMENT LOCATIONS, UNLESS SPECIFICALLY DIMENSIONED, ARE APPROXIMATE ONLY. EXACT LOCATION SHALL BE DETERMINED IN THE FIELD AND SHALL CLEAR ALL OBSTRUCTIONS.
2. THE CONDUIT QUANTITY AND SIZES SHALL BE ADJUSTED TO ADEQUATELY SERVE THE MAKE AND MODEL OF FINAL EQUIPMENT.
3. ALL CONDUIT ROUTING SHOWN ARE DIAGRAMMATIC. EXACT ROUTING OF ALL CONDUITS SHALL BE DETERMINED IN THE FIELD TO MINIMIZE LENGTH OF RUN AND NUMBER OF BOXES REQUIRED, AND AVOID PHYSICAL INTERFERENCES AND DUPLICATE RUNS. FIELD VERIFY THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT.
4. NOT ALL CONDUIT ROUTING ARE SHOWN ON THE PLAN. FOR ALL CONDUITS AND CABLE SIZES, REFER TO THE CONDUIT AND CABLE SCHEDULES, ON DRAWINGS E-87 THRU E-89.
5. ALL ELECTRICAL PULL BOXES AND JUNCTION BOXES SHALL BE STAINLESS STEEL, TYPE 316 AND SHALL BE RATED NEMA 4X.
6. ALL CONDUIT AND FITTING SHALL BE RIGID GALVANIZED STEEL PVC COATED.
7. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PULL BOXES REQUIRED TO FACILITATE THE ROUTING AND PULLING OF CONDUITS AND WIRES.
8. WHENEVER THE NUMBER OF CONDUIT BENDS EXCEEDS 180° AND NO SPLICE IS INVOLVED, THE CONTRACTOR SHALL USE MOGUL TYPE FITTINGS.
9. CONDUITS SHOWN DASHED ARE SURFACE MOUNTED UNDERNEATH THE MOTOR ROOM FLOOR AND STUBBED UP AT THE APPROXIMATE LOCATION SHOWN ON THE PLAN. SURFACE MOUNTED CONDUITS UNDERNEATH THE MOTOR ROOM FLOOR SHALL STAY CLEAR OF THE MOTOR ROOM HATCH DOOR.
10. CONDUITS SHOWN SOLID ARE SURFACE MOUNTED INSIDE THE MOTOR ROOM. SURFACE MOUNTED CONDUITS INSIDE THE MOTOR ROOM SHALL STAY CLEAR OF THE EXISTING CRANE AND MOTOR ROOM HATCH DOOR.
11. POWER FEEDERS P001 AND P002 GOING UP THE SOUTH TOWER STRUCTURE SHALL BE SURFACE MOUNTED UNDERNEATH THE MOTOR ROOM FLOOR AND STUBBED UP INSIDE THE SOUTH TOWER MCC. POWER FEEDERS P003, P004, P005, AND P006 GOING UP THE SOUTH TOWER STRUCTURE SHALL BE STUBBED UP AT THE LOCATION OF THE SOUTH TOWER POWER TERMINAL CABINET. POWER AERIAL FEEDERS P007, P008, P009, P010, P011, AND P012 LEAVING THE SOUTH TOWER POWER TERMINAL CABINET SHALL PENETRATE THE SOUTH MOTOR ROOM FLOOR, LAY ON THE EXISTING SOUTH TOWER CABLE TRAY, AND SUSPENDED FROM THE SOUTH TOWER TO THE NORTH TOWER. POWER AERIAL CABLES GOING TO THE NORTH TOWER SHALL BE LAID ON THE EXISTING NORTH TOWER CABLE TRAY, AND TERMINATED AT THE NORTH MOTOR ROOM ATS.



Public Works and  
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Limitations: Electrical system design for the Burlington  
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Government Services Canada

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

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

drawing title  
titre du dessin  
**BRIDGE MOTOR ROOM  
CONDUIT ROUTING-SOUTH SIDE**

drawn by dessine par	D. Buro	
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approved by approuve par	M. Vanderee	
bid soumission	A. Ghubril	project manager administrateur de projets
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