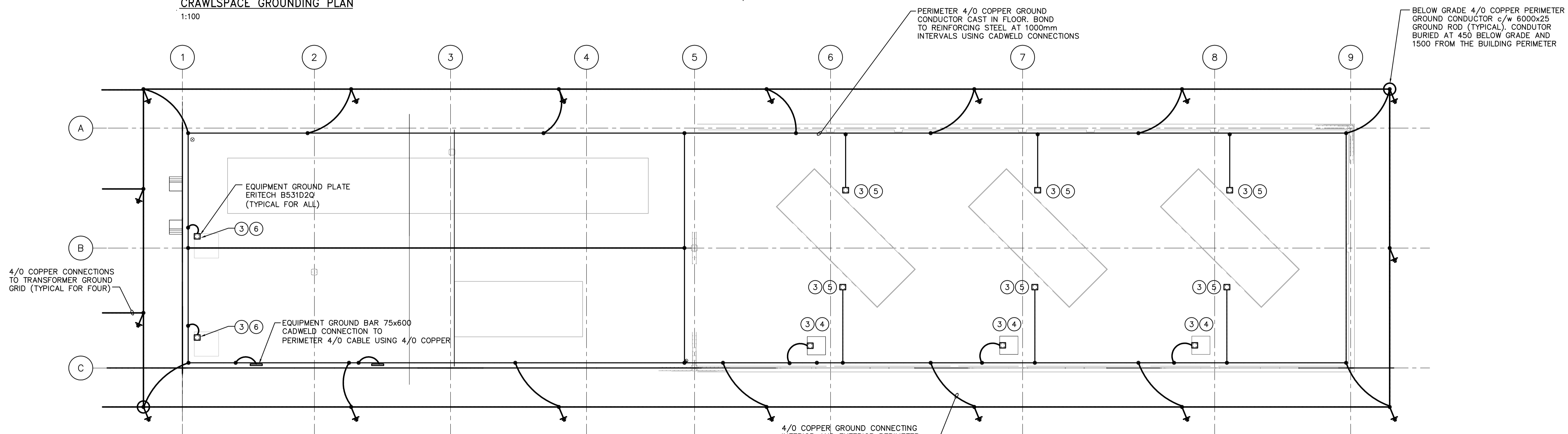


CRAWLSPACE GROUNDING PLAN
1:100

- DRAWING NOTES**
- ① CONNECT SWITCHGEAR SWGR-E100A AND SWGR-E100B AT BOTH ENDS TO EQUIPMENT GROUND BARS USING 4/0 COPPER AND TWO HOLE LUGS.
 - ② INSTALL 4/0 TIN PLATED COPPER GROUND CABLES IN ALL ABLE TRAYS. BOND EACH TRAY SECTION TO CABLE. BOND CABLE TO MINIMUM TWO EQUIPMENT GROUND BARS.
 - ③ CONNECT EQUIPMENT GROUND PLATES TO PERIMETER GROUND CONDUCTOR AND REINFORCING STEEL USING 4/0 COPPER AND CADWELD CONNECTIONS.
 - ④ GROUND NEUTRAL GROUND RESISTOR (NGR) TO EQUIPMENT GROUNDPLATE USING 4/0 COPPER CABLE c/w TWO HOLE COPPER LUGS.
 - ⑤ BOND GENERATOR FRAME TO EQUIPMENT GROUND PLATE USING 4/0 COPPER CABLE c/w TWO HOLE COPPER LUGS.
 - ⑥ GROUND TRANSFORMER NEUTRAL TO EQUIPMENT GROUND PLATE USING 4/0 COPPER CABLE c/w TWO HOLE COPPER LUGS.
 - ⑦ PROVIDE BONDING/GROUNDING IN ACCORDANCE WITH THE MANITOBA ELECTRICAL CODE FOR ALL EQUIPMENT NOT SHOWN.



MAIN FLOOR GROUNDING PLAN
1:100

<p>Certificate of Authorization Earth Tech Canada Inc. No. 730 Expiry: April 30, 2007</p>	<p>Frederickson Cooper ARCHITECTS</p>		<p>A Tyco International Ltd. Company</p>		<p>ENGINEER'S SEAL</p> <p>ORIGINAL SIGNED BY B.L. MOORE 2006/08/30</p>		<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION</p>	
	<p>DESIGNED BY: BLM</p> <p>CHECKED BY: PS</p>		<p>APPROVED BY: AHL</p> <p>RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI</p>		<p>CONSULTANT DRAWING NO. WG-E0103</p>		<p>WATER TREATMENT PLANT STANDBY POWER GENERATOR GENERATOR BUILDING</p>	
	<p>SCALE: AS SHOWN</p>		<p>DATE: 2006/07/24</p>		<p>DATE: 2006/08/30</p>		<p>ELECTRICAL CRAWLSPACE AND MAIN FLOOR GROUNDING PLANS</p>	
	<p>NO. REVISIONS</p>		<p>DATE BY</p>		<p>DATE</p>		<p>CITY FILE NUMBER SHEET OF CITY DRAWING NUMBER 1-0601G-A-E0103-001-000</p>	