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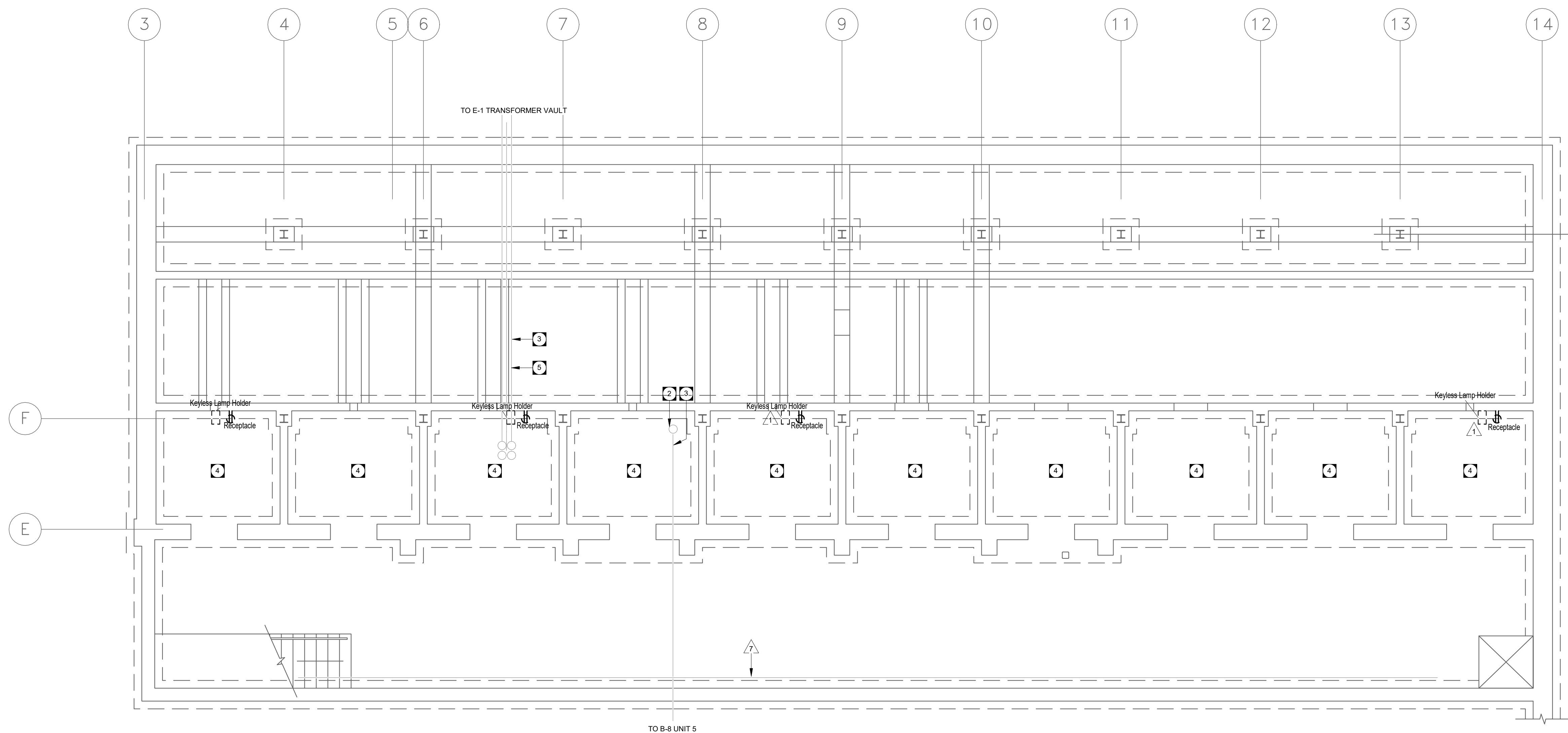


**PUBLIC WORKS AND
GOVERNMENT SERVICES
CANADA**

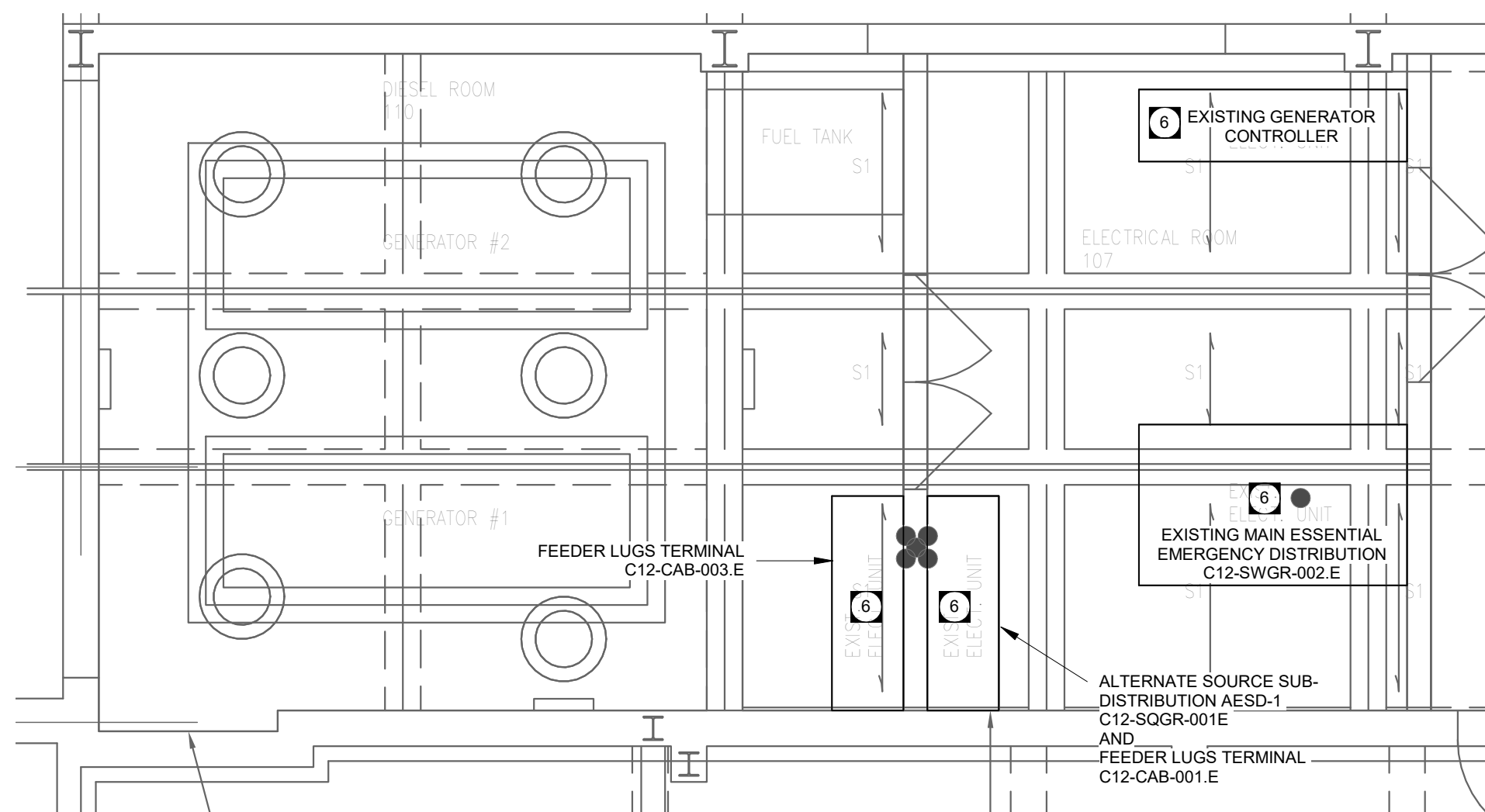
Project title	Project
<p align="center"> STONY MOUNTAIN STONY MOUNTAIN INSTITUTION BUILDING C12 POWERHOUSE REPAIRS </p>	

ELECTRICAL PLAN

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.109027	E1.0 OF E1.0	



1 SUBBASEMENT ELECTRICAL PLAN
E1.0 SCALE: 1 : 50






2 PARTIAL MAIN FLOOR ELECTRICAL PLAN
E1.0 SCALE: 1 : 50

KEY NOTES

- 1 DEMOLISH EXISTING FEEDER AND CIRCUIT ASSOCIATED WITH KEYLESS LAMP HOLDER AND POWER RECEPTACLE. REMOVE ALL BRANCH CIRCUIT WIRING BACK TO RESPECTIVE PANEL. REMOVE ALL CONDUIT NOT ENCASED IN CONDUIT, AND UPDATE PANELBOARD DIRECTORIES IF APPLICABLE.
- 2 EXISTING ONE(1) 53MM(2") CONDUIT AND ASSOCIATED FEEDERS TO REMAIN. PROTECT AND ENSURE CONTINUED OPERATION THROUGHOUT WORK. CONDUITS AND WIRING SUPPORT CRITICAL ELECTRICAL DISTRIBUTION AND INFRASTRUCTURE THAT IS NOT TO BE JEOPARDIZED AT ANY POINT. PROTECT ALL OPENINGS AND RELATED EQUIPMENT FROM DUST, VIBRATION, TEMPERATURE OR FIRE RISK THAT MAY LEAD TO POSSIBLE MALFUNCTION OF EQUIPMENT OR INTERRUPTION OF POWER.
- 3 PROVIDE NEW STEELLESS STEEL TIE ANCHORS AND ROOF FOR EXISTING WIRING TRACKING. DEMOLISH EXISTING ROOF UPON COMPLETION OF RE-SUPPORTED CONDUITS. PROVIDE TEMPORARY SUPPORT AS REQUIRED TO ACCOMMODATE WORK. COORDINATE NEW ANCHORS WITH CONCRETE SLAB WITH ANCHORS.
- 4 DEMOLISH ALL UNUSED SURFACE CONDUIT AND JUNCTION BOXES. REMOVE ALL WIRING AND CONDUIT BACK TO SOURCE WHERE NOT BURIED IN SLAB.
- 5 EXISTING FOUR(4) 150MM(6") CONDUIT AND ASSOCIATED FEEDERS TO REMAIN. PROTECT AND ENSURE CONTINUED OPERATION THROUGHOUT WORK. CONDUITS AND WIRING SUPPORT CRITICAL ELECTRICAL DISTRIBUTION AND INFRASTRUCTURE THAT IS NOT TO BE JEOPARDIZED AT ANY POINT. PROTECT ALL OPENINGS AND RELATED EQUIPMENT FROM DUST, VIBRATION, TEMPERATURE OR FIRE RISK THAT MAY LEAD TO POSSIBLE MALFUNCTION OF EQUIPMENT OR INTERRUPTION OF POWER.
- 6 ENSURE FULL SEAL AND FIRE RATING AT BOTTOM ENTRY OF SWITCHGEAR FOR ALL BOTTOM CONDUIT ENTRIES. ENSURE FULL PROTECTION OF SWITCHGEAR THROUGHOUT CONSTRUCTION. ACQUAINT ALL BOTTOM PANELS WITH ALL CONDUIT ENTRIES OF ALL VALVE TO ENSURE NO SEEPAGE OF ANY FOREIGN DEBRIS INTO THE SWITCHGEAR CAVITY.
- 7 DEMOLISH EXISTING ABANDONED CONDUIT AND WIRE AS IT INTERFERES WITH STRUCTURAL SHORINGS. COORDINATE WITH STRUCTURAL.

ELECTRICAL SYMBOLS

	VERTICAL CONDUIT RISER
	KEY NOTE
	DEMOLITION NOTE

GENERAL NOTES

- SEE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION.
- B. COORDINATE WITH GENERAL CONSTRUCTION.
- C. REMOVE AND RELOCATE ALL EXISTING ELECTRICAL DEVICES AND LIGHTING FIXTURES IN SUBBASEMENT VAULT AND SURROUNDING ENTRANCE CHAMBERS UNLESS NOTED OTHERWISE.
- D. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS. ALLOW FOR THIRTY (30) COVERPLATES. COORDINATE SIZE AND QUANTITY ON SITE. CONTRACTOR SHALL PROVIDE ALL REQUIRED MEASURES TO MAINTAIN SERVICE ON ALL ELECTRICAL DISTRIBUTION AND FEEDERS. CONTRACTOR SHALL PROVIDE RISK MITIGATION STRATEGY TO SUPPORT RISK MITIGATION WITH SUPPORTING EQUIPMENT, MATERIAL AND LABOUR AVAILABLE ON SITE TO SUPPORT RISK MITIGATION AND TO PLAN TO CLOSE OPENINGS TO SUPPORT THE EVENT OF UNINTENDED IMPACT ON THE ELECTRICAL DISTRIBUTION.
- E. CONFORM TO APPLICABLE CODE FOR DEMOLITION WORK, DISCONNECT, CONTROL, PRODUCTS REQUIRING ELECTRICAL DISCONNECTION OR RECONNECTION.
- F. CONFORM TO APPLICABLE REGULATORY PROCEDURES WITH DISCONNECTING HAZARDOUS OR CONTAMINATED MATERIALS.
- G. CLOSE OPENINGS IN EXTERIOR SURFACES TO PROTECT FROM WORK FALLS AND RAIN AND EXTREMES OF TEMPERATURE AND HUMIDITY.
- H. PROVIDE ERECT, AND MAINTAIN TEMPORARY BARRIERS AND FENCE TO CONTAIN DEMOLITION DEBRIS AND DUST FROM ENTERING ELECTRICAL EQUIPMENT.
- I. PROTECT AND MAINTAIN SERVICES FOR ALL EXISTING MATERIALS, EQUIPMENT, AND SYSTEMS WHICH ARE NOT TO BE DISPOSED.
- J. CONDUCT DEMOLITION TO MINIMIZE INTERFERENCE WITH OCCUPIED BUILDING AREAS.
- K. REMOVE, DISCONNECT, AND IDENTIFY DESIGNATED UTILITIES WITHIN DEMOLITION AREAS.
- L. REMOVE, CUT, AND PATCH WORK IN A MANNER TO MINIMIZE DAMAGE AND TO PROVIDE MEANS OF RESTORING SYSTEMS TO ORIGINAL CONDITION.
- M. DEMOLISH IN AN ORDERLY AND CAREFUL MANNER. REMOVE DEMOLISHED MATERIALS FROM SITE EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE. USE OF EXISTING WORK, LEAVE AREAS IN CLEAN CONDITION.
- N. FIRESTOP ALL ELECTRICAL PENETRATIONS THROUGH FIRE-RESISTANT WALLS AND FLOORS. REMOVE ALL ELECTRICAL CONDUIT OR WIRING REMOVED. SEE STRUCTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS.
- O. THE FOUNDATION SHALL BE LEFT EXPOSED. EQUIPMENT AND MATERIAL IN PLACE IS NOT ACCEPTABLE. ALL REDUNDANT SERVICES ARE TO BE REMOVED BACK TO ACTIVE MAINS. WIRING SHALL THEN BE CAPPED AT EXISTING POINTS OF CONNECTION.