

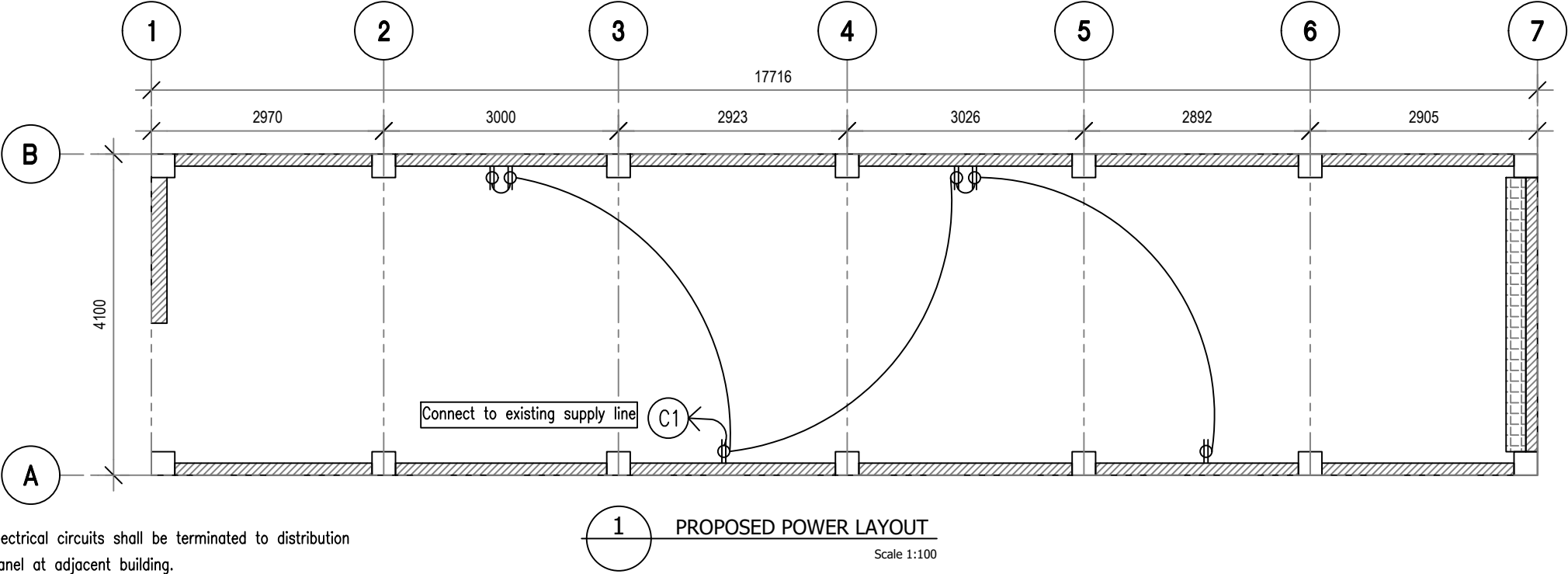
GENERAL NOTES:

1. All works shall be done in accordance with latest Philippine Electrical Code (PEC).
2. All wires and cables shall be copper, soft-drawn and annealed, shall be of ninety-eight (98%) percent conductivity, shall be smooth and true and of a cylindrical form and shall be within one (1%) percent of the actual size called for.
3. Wires and cables for lighting and power systems shall be plastic insulated, stranded, rated at 600 volt and THHN/THWN type and UL Listed.
4. Wires and cables for grounding shall be THW and/or BCW.
5. Smallest size of wire to be used for lighting and power system shall be 3.5 mm² THHN/THWN.
6. Color coding of wires:
Line 1 – Red
Line 2 – Yellow
Line 3 – Black
Ground – Green


7. All conduits embedded/non-embedded on concrete shall be uPVC pipes.
8. All exposed conduits shall be painted with gray color epoxy enamel and installed parallel or perpendicular with the building floors, walls, and ceilings.
9. Hangers and/or clamp spacing shall be as according to the latest edition of the PEC and shall be painted with gray color epoxy primer and enamel.
10. All rigid steel conduit pipes shall be zinc coated and shall comply with ANSI C80.1-1977 Standard).
11. Galvanized threaded rod shall be used for exposed conduits. The use of malleable clamps is not allowed.
12. Support for uPVC pipes shall be fabricated from 1" x 1" angular bars and 10-mm diameter threaded rod with appropriate U-bolts supports and hangers shall be painted with epoxy primer and enamel.
13. The electrical work shall be done under the direct and immediate supervision of a duly licensed electrical engineer.

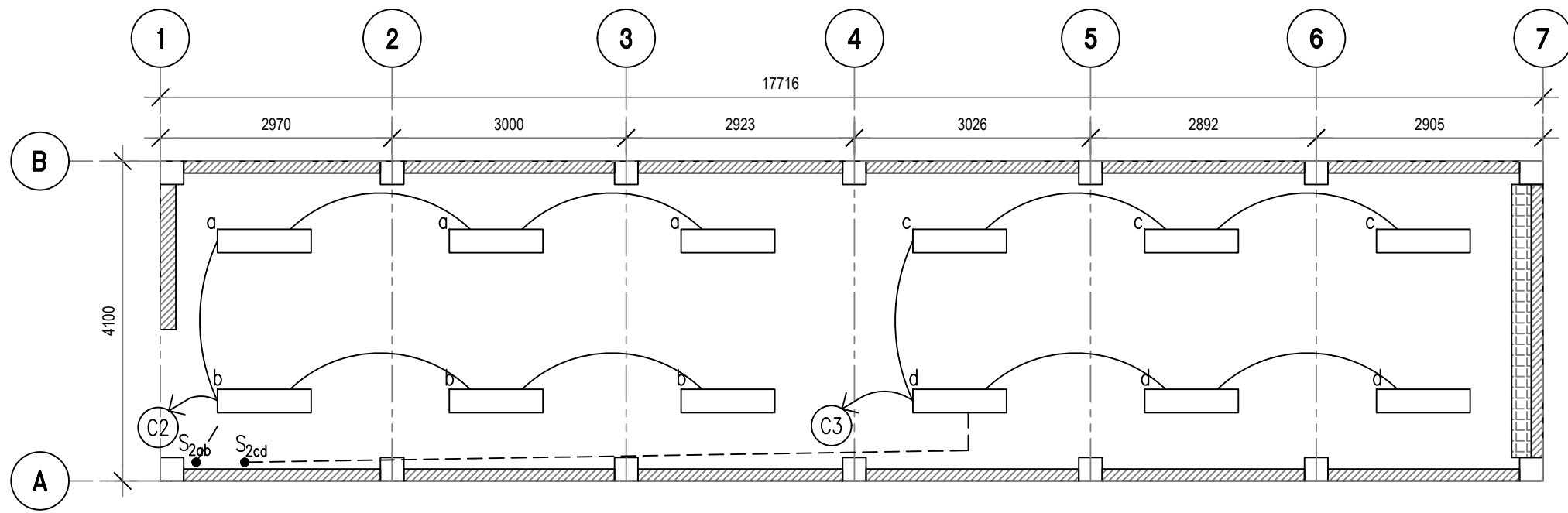
LEGEND:

- CONVENIENCE OUTLET, DUPLEX
- EMERGENCY LIGHT OUTLET
- TWO-GANG SWITCH
- INDUSTRIAL TYPE FLUORESCENT FIXTURE (DOUBLE)



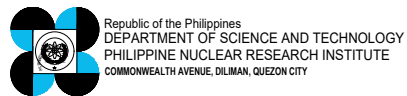
Note: Electrical circuits shall be terminated to distribution panel at adjacent building.

 <p>Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY PHILIPPINE NUCLEAR RESEARCH INSTITUTE COMMONWEALTH AVENUE, DILIMAN, QUEZON CITY</p>	PROJECT TITLE: STRUCTURAL RETROFITTING OF STORAGE A (formerly TRENCH B) at the RADIOACTIVE WASTE MANAGEMENT FACILITY STORAGE BUILDING C.Y. 2025	SHEET CONTENT/S: GENERAL NOTES PROPOSED POWER LAYOUT	PREPARED BY: ENGR. ANDREW C. BARRIDA SSRS, ESS ENGR. ROSALINO B. REJAS SSRS, ESS	RECOMMENDING APPROVALS: ENGR. ARTURO F. SALIH HEAD, ESS RONALD E. PIQUERO END-USER, SSRS, RPSS PRECIOSA CORAZON B. PABROA, Ph. D. CHIEF, NSD VALLERIE ANN I. SAMSON, Ph. D. DEPUTY DIRECTOR	APPROVED BY: CARLO A. ARCILLA, Ph. D. DIRECTOR	DRAWN BY: G.A.M.Liu	SHEET NO. E-1 PAGE NO. OF TOTAL NO. OF PAGES 1 OF 3
						CHECKED BY:	
						DATE: MAY 2025	



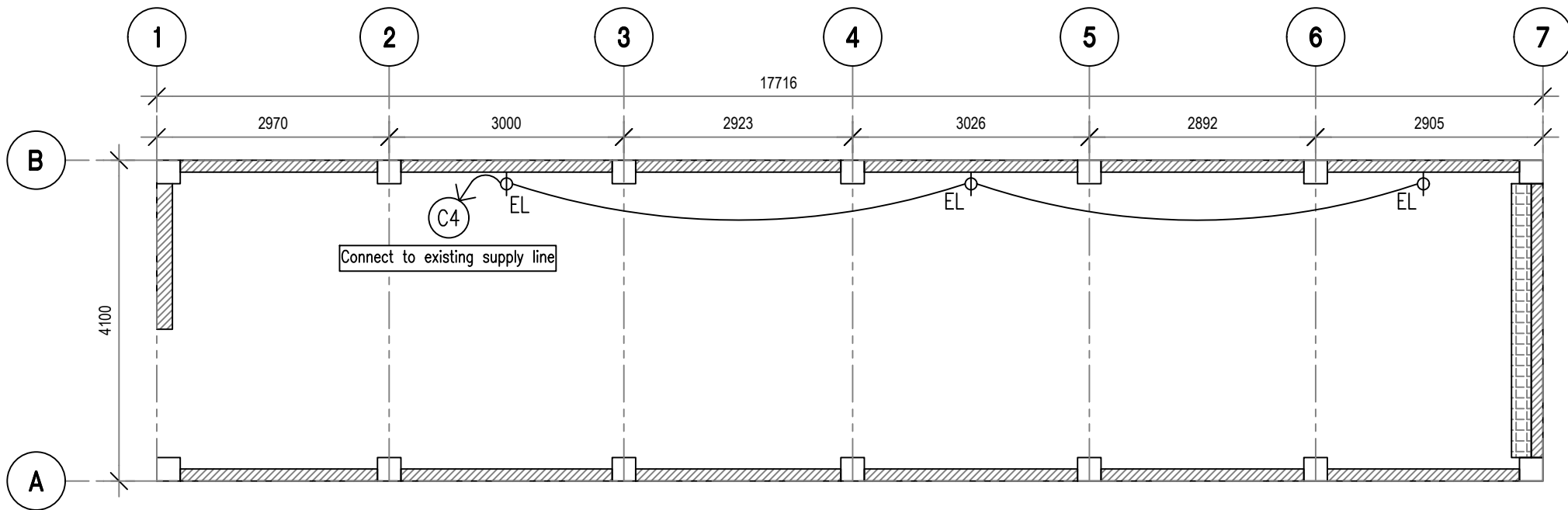
1 PROPOSED LIGHTING LAYOUT
Scale 1:100

Note: Electrical circuits shall be terminated to distribution panel at adjacent building.



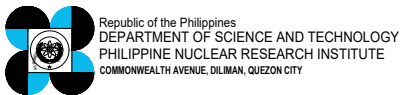
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		ENGR. ROSALINO B. REJAS SSRS, ESS	PRECIOSA CORAZON B. PABROA, Ph. D. CHIEF, NSD	VALLERIE ANN I. SAMSON, Ph. D. DEPUTY DIRECTOR	CHECKED BY:	PAGE NO. OF TOTAL NO. OF PAGES
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GENERAL NOTE: DRAWINGS MAY NOT BE IN SCALE. USE MARKED DIMENSIONS. VERIFY ACTUAL MEASUREMENTS. INFORM THE DESIGN TEAM OF ANY DISCREPANCIES FOUND IN THE DRAWINGS, DOCUMENTS, AND ACTUAL SITE CONDITIONS.



1 PROPOSED EMERGENCY LIGHTS LOCATION
Scale 1:100

Note: Electrical circuits shall be terminated to distribution panel at adjacent building.



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