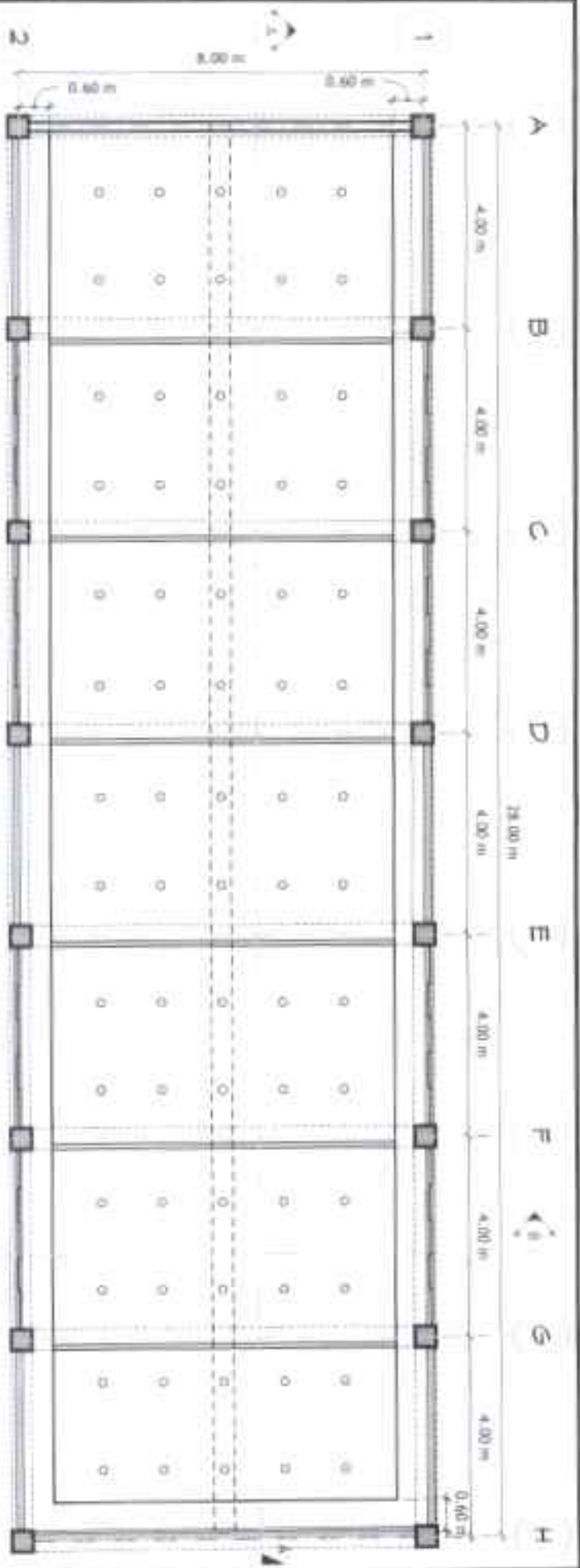




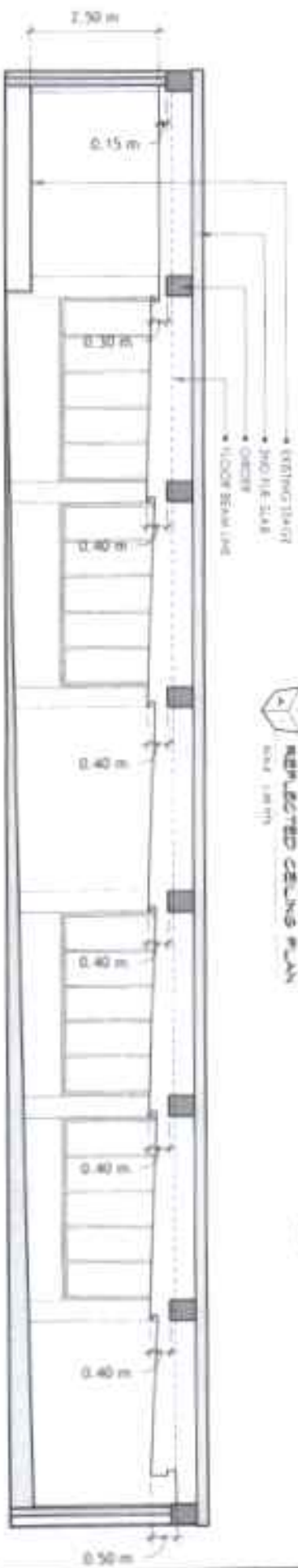
PERSPECTIVE



<p>PLANNING DEPARTMENT & AUXILIARY SERVICES</p>		<p>DESIGNED BY: ALBERTO GILIA ALBA</p>		<p>PROJECT TITLE: REHABILITATION OF AVN COLING & ELECTRICAL STORES AT THE BULWING</p>		<p>APPROVED BY: DR. CARLOS M. BARRERA</p>		<p>DATE: 1/1/2024</p>	
<p>NOTE: ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.</p>		<p>PROJECT NO: 2024-001</p>		<p>DATE: 1/1/2024</p>		<p>SCALE: 1:100</p>		<p>PROJECT NO: 2024-001</p>	
<p>DATE: 1/1/2024</p>		<p>PROJECT NO: 2024-001</p>		<p>DATE: 1/1/2024</p>		<p>SCALE: 1:100</p>		<p>PROJECT NO: 2024-001</p>	
<p>DATE: 1/1/2024</p>		<p>PROJECT NO: 2024-001</p>		<p>DATE: 1/1/2024</p>		<p>SCALE: 1:100</p>		<p>PROJECT NO: 2024-001</p>	



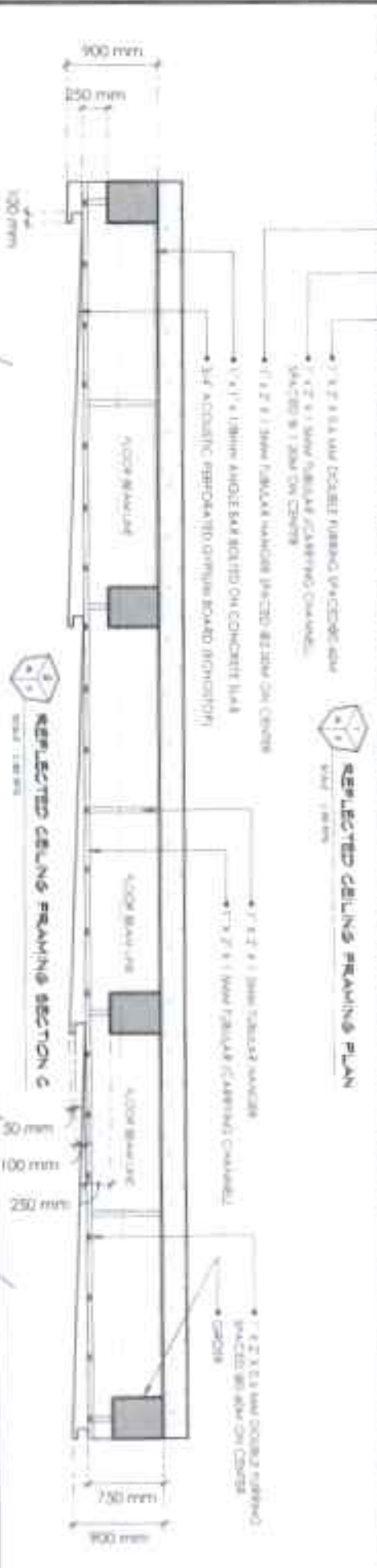
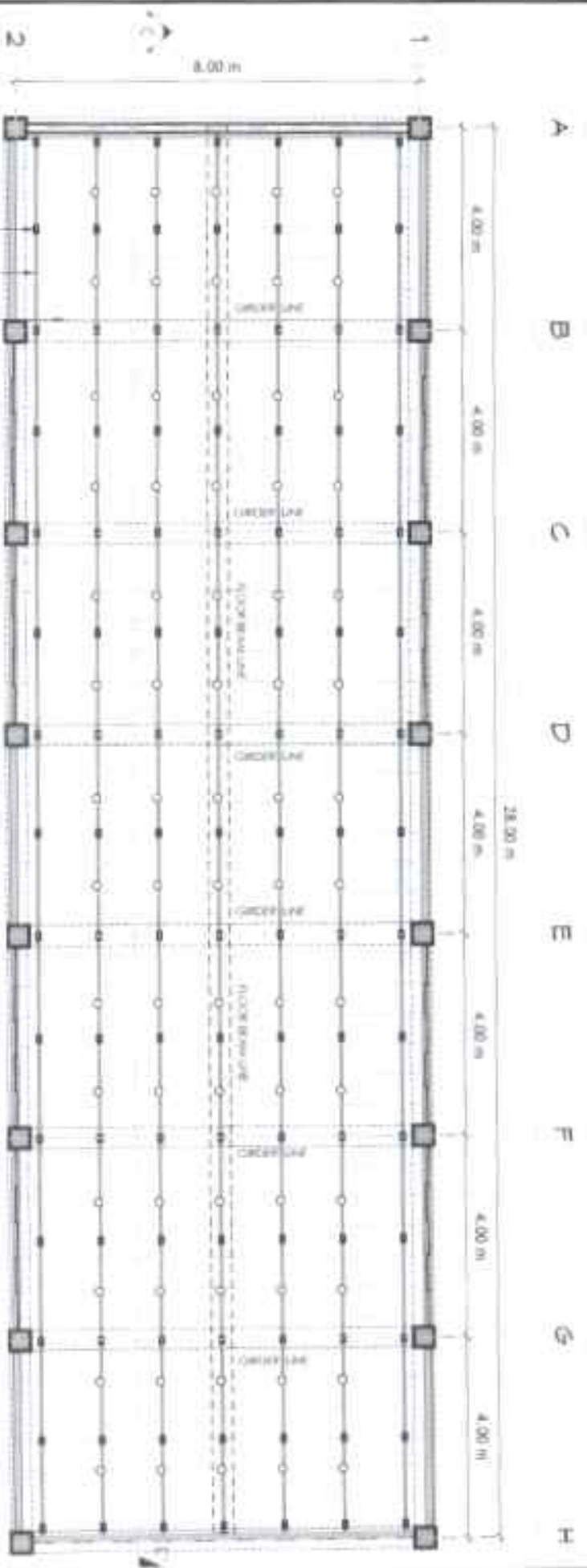
REFLECTED CEILING PLAN
SCALE: 1:500



LONGITUDINAL SECTION 'A'
SCALE: 1:500

- EXISTING SLAB
- NEW F.L. SLAB
- CEILING
- FLOOR BEAM LINE

<p>PLANNING DEVELOPMENT & ADVISORY SERVICES</p>	<p>PROJECT NO. 10000000000000000000</p>	<p>DATE: 10/2023</p>	<p>SCALE: 1:500</p>	<p>PROJECT TITLE: RENOVATION OF AN EXISTING ELECTRICAL SYSTEM AT THE N BUILDING</p>	<p>DESIGNER: [Signature]</p>	<p>DATE: 10/2023</p>	<p>SCALE: 1:500</p>	<p>PROJECT TITLE: RENOVATION OF AN EXISTING ELECTRICAL SYSTEM AT THE N BUILDING</p>	<p>DESIGNER: [Signature]</p>	<p>DATE: 10/2023</p>	<p>SCALE: 1:500</p>	<p>PROJECT TITLE: RENOVATION OF AN EXISTING ELECTRICAL SYSTEM AT THE N BUILDING</p>	<p>DESIGNER: [Signature]</p>	<p>DATE: 10/2023</p>	<p>SCALE: 1:500</p>	<p>PROJECT TITLE: RENOVATION OF AN EXISTING ELECTRICAL SYSTEM AT THE N BUILDING</p>	<p>DESIGNER: [Signature]</p>	<p>DATE: 10/2023</p>	<p>SCALE: 1:500</p>
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PLANNING DEVELOPMENT & CONSULTANCY SERVICES

ALAMGOLD, Sdn. Bhd.

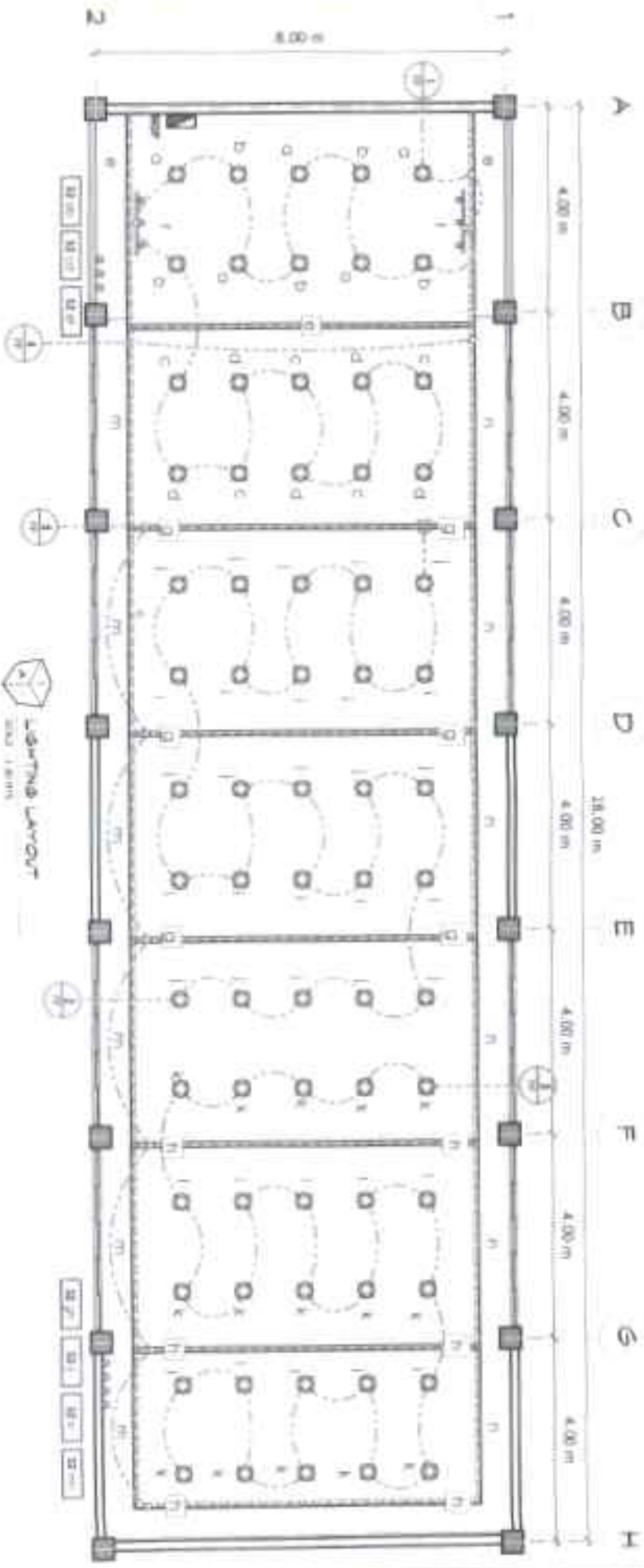
REVISIONS

NO.	DESCRIPTION	DATE
1	Issue for approval	10/01/2024
2	Revised after comments	15/01/2024
3	Final approved	20/01/2024

APPROVED FOR CONSTRUCTION

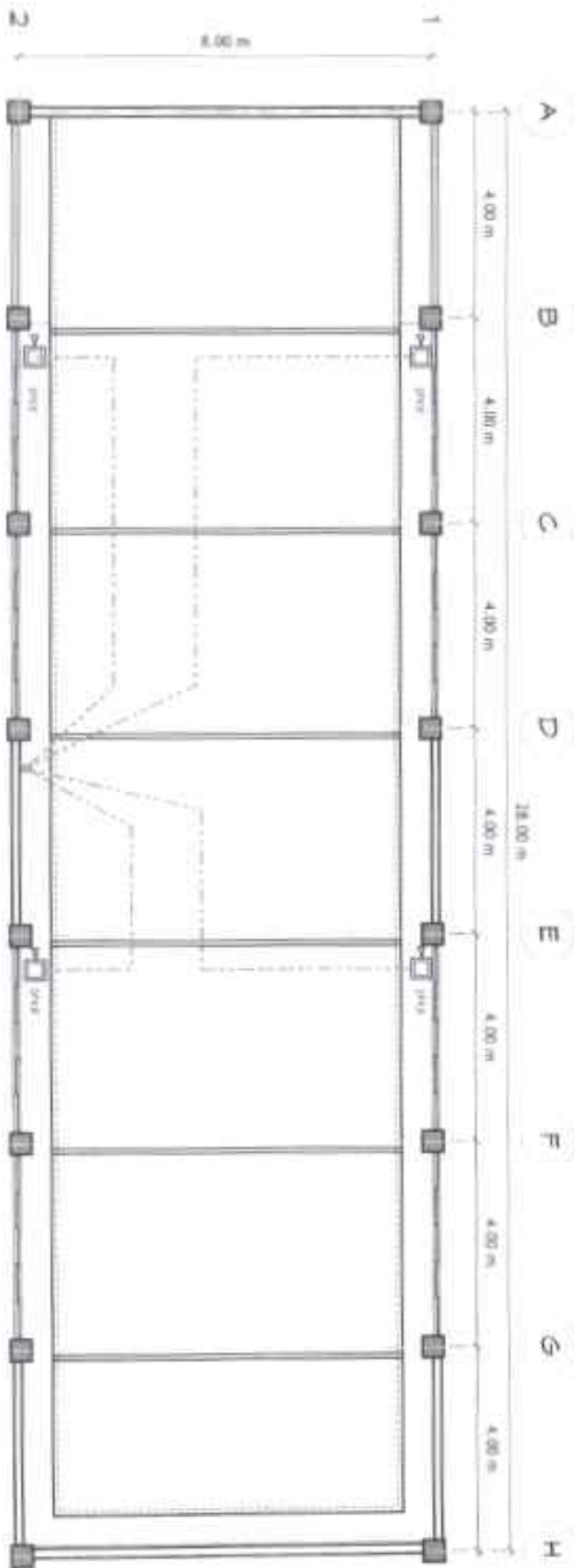
PROJECT NO. A

DATE: 10/01/2024



- NOTES**
1. ALL EXISTING LIGHTING CIRCUITS SHALL BE DE-ENERGIZED AND REMOVED FROM THE JOB. REUSABLE LIGHT FIXTURES, WIRE BOARDS AND THE LINES SHALL BE HANDLED OVER TO THE POUL OFFICE.
 2. ALL EXISTING SWITCHES SHALL BE REMOVED FOR THE NEW LIGHTING FIXTURES AS INDICATED IN THE DRAWING.
 3. ALL DUPLEX CONVENIENCE OUTLETS SHALL BE REMOVED AS THEY ARE.
 4. ALL CIRCUIT NUMBERS SHALL BE ADJUSTED AS REQUIRED NECESSARY TO ALLOW THE NEW LIGHTING CIRCUITS.
 5. PUBLIC ADDRESS SYSTEM, SPEAKER AND MICROPHONE CALLS SHALL BE REINSTALLED ACCORDINGLY AS PER THE AUTHORIZED UNIVERSITY REQUIREMENTS.
 6. EXISTING PANELBOARD AND ITS BREAKERS SHALL BE UTILIZED FOR THE ABOVE ELECTRICAL WORKS.
 7. OTHER ELECTRICAL MATERIALS NOT SPECIFIED HEREWITH BUT NECESSARY FOR THE COMPLETE INSTALLATION AND NORMAL OPERATION OF THE SYSTEM SHALL BE DERIVED INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK.

 PLANNING DEVELOPMENT & REGULATORY SERVICES 1000 UNIVERSITY AVENUE, SUITE 1000 ANN ARBOR, MI 48106-1500 TEL: 734.769.2000 FAX: 734.769.2001	DRAWN BY ENR. AARON SAMMALLA JR. 10/11/11	CHECKED BY ENR. J. J. KILPATRICK 10/11/11	PROJECT TITLE REPAIR/RENOVATION OF ANS BUILDING & ELECTRICAL SYSTEM AT THE H. BRIDGES 1000 UNIVERSITY AVENUE, SUITE 1000 ANN ARBOR, MI 48106-1500	CONTRACTOR DE WOODS COMPANY & PARTNERS 47500 KUMAR & PARTNERS ANN ARBOR, MI 48106-1500	APPROVED BY DR. GREGORY W. GARDNER JR. 10/11/11	SHEET NO. 5 1	TOTAL SHEETS 4
	TITLE LIGHTING LAYOUT	DATE 10/11/11	SCALE AS SHOWN	PROJECT NO. 1000 UNIVERSITY AVENUE, SUITE 1000 ANN ARBOR, MI 48106-1500	DRAWING NO. 1000 UNIVERSITY AVENUE, SUITE 1000 ANN ARBOR, MI 48106-1500	PROJECT NO. 1000 UNIVERSITY AVENUE, SUITE 1000 ANN ARBOR, MI 48106-1500	SHEET NO. 5 1



FA SYSTEM SPEAKERS LAY-OUT
 DATE: 1.10.2011

<p>PLANNING DEVELOPMENT & ADVISORY SERVICES</p>	<p>PROJECT NO. 1001/2011</p> <p>PROJECT NAME: RENOVATION OF AIR CONTROL & MEDICAL SYSTEM AT THE HOSPITAL</p>	<p>DATE: 1.10.2011</p>	<p>SCALE: 1:100</p>	<p>NO. OF SHEETS: 5</p>	<p>SHEET NO. 2</p>
<p>DESIGNER: DR. S. S. S. S. S.</p>	<p>CLIENT: DR. S. S. S. S. S.</p>	<p>DATE: 1.10.2011</p>	<p>SCALE: 1:100</p>	<p>NO. OF SHEETS: 5</p>	<p>SHEET NO. 4</p>

POWER PANELBOARD - "B" - SCHEDULE OF LOADS AND TABULATED DESIGN ANALYSIS VOLTAGE DROP AND SHORT CIRCUIT CALCULATIONS
 200V, 1PH + NEUTRAL, 50HZ, 2 WIRES + EARTH

CIRCUIT NO.	CIRCUIT DESCRIPTION	LOADING (KW/KVA)	NO. OF RECEPTACLES	TOTAL LOAD (KW/KVA)	MAXIMUM DEMAND (KW/KVA)	CALC. AMP (A)	CALC. VOLT (V)	CIRCUIT BREAKER SETTINGS & TRIP		CONDUCTORS & SIZE & TYPE		VOLTAGE DROP CALCULATION		SHORT CIRCUIT CALCULATION	
								TRIP	TRIP TIME	CONDUCTOR	CONDUCTOR	VOL% DROP	VOL% DROP	SC TYPE	SC CURRENT
1	General Services	100	10	100	100	100	230	100	0.05	100	0.05	100	100	100	100
2	Lighting	50	5	50	50	50	230	50	0.05	50	0.05	50	50	50	50
3	Power Tools	50	5	50	50	50	230	50	0.05	50	0.05	50	50	50	50
4	Water Heating	100	10	100	100	100	230	100	0.05	100	0.05	100	100	100	100
5	Refrigeration	50	5	50	50	50	230	50	0.05	50	0.05	50	50	50	50
6	Motor Loads	50	5	50	50	50	230	50	0.05	50	0.05	50	50	50	50
7	Control Panels	50	5	50	50	50	230	50	0.05	50	0.05	50	50	50	50
8	Emergency Lighting	50	5	50	50	50	230	50	0.05	50	0.05	50	50	50	50
9	Signage	50	5	50	50	50	230	50	0.05	50	0.05	50	50	50	50
10	Other Loads	50	5	50	50	50	230	50	0.05	50	0.05	50	50	50	50
11	Subtotal	500	50	500	500	500	230	500	0.05	500	0.05	500	500	500	500
12	Total	500	50	500	500	500	230	500	0.05	500	0.05	500	500	500	500

Notes: 1. All calculations are based on a diversity factor of 1.0. 2. All conductors are assumed to be copper unless otherwise specified. 3. All calculations are based on a 100% demand factor. 4. All calculations are based on a 100% power factor. 5. All calculations are based on a 100% efficiency. 6. All calculations are based on a 100% utilization factor. 7. All calculations are based on a 100% load factor. 8. All calculations are based on a 100% safety factor. 9. All calculations are based on a 100% margin of safety. 10. All calculations are based on a 100% reserve capacity. 11. All calculations are based on a 100% headroom. 12. All calculations are based on a 100% clearance. 13. All calculations are based on a 100% ventilation. 14. All calculations are based on a 100% fire protection. 15. All calculations are based on a 100% seismic protection. 16. All calculations are based on a 100% explosion protection. 17. All calculations are based on a 100% radiation protection. 18. All calculations are based on a 100% electromagnetic interference protection. 19. All calculations are based on a 100% radio frequency interference protection. 20. All calculations are based on a 100% lightning protection. 21. All calculations are based on a 100% surge protection. 22. All calculations are based on a 100% overvoltage protection. 23. All calculations are based on a 100% undervoltage protection. 24. All calculations are based on a 100% phase imbalance protection. 25. All calculations are based on a 100% harmonic distortion protection. 26. All calculations are based on a 100% resonance protection. 27. All calculations are based on a 100% stray field protection. 28. All calculations are based on a 100% induced field protection. 29. All calculations are based on a 100% coupled field protection. 30. All calculations are based on a 100% radiated field protection. 31. All calculations are based on a 100% conducted field protection. 32. All calculations are based on a 100% emitted field protection. 33. All calculations are based on a 100% absorbed field protection. 34. All calculations are based on a 100% incident field protection. 35. All calculations are based on a 100% scattered field protection. 36. All calculations are based on a 100% reflected field protection. 37. All calculations are based on a 100% transmitted field protection. 38. All calculations are based on a 100% leaked field protection. 39. All calculations are based on a 100% coupled field protection. 40. All calculations are based on a 100% induced field protection. 41. All calculations are based on a 100% coupled field protection. 42. All calculations are based on a 100% induced field protection. 43. All calculations are based on a 100% induced field protection. 44. All calculations are based on a 100% induced field protection. 45. All calculations are based on a 100% induced field protection. 46. All calculations are based on a 100% induced field protection. 47. All calculations are based on a 100% induced field protection. 48. All calculations are based on a 100% induced field protection. 49. All calculations are based on a 100% induced field protection. 50. All calculations are based on a 100% induced field protection.

PLANNING DEVELOPMENT & ASSISTANT SERVICES

ENGR. AMAR K. SHARMA, IAS

DR. GANESH K. SHARMA, IAS

DR. GANESH K. SHARMA, IAS

PROJECT TITLE: **REHABILITATION OF AIR TERMINAL & MEDICAL STORE AT IAS & AIR STATION**

CLIENT: **DR. GANESH K. SHARMA, IAS**

DESIGNER: **DR. GANESH K. SHARMA, IAS**

DATE: **15/08/2024**

SCALE: **AS SHOWN**

DATE: **15/08/2024**

DATE: **15/08/2024**

DATE: **15/08/2024**

SCALE: **AS SHOWN**

DATE: **15/08/2024**

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