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EE1-02	6TH FLOOR LIGHTING LAYOUT
EE1-03	7TH FLOOR LIGHTING LAYOUT
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GENERAL NOTES AND SPECIFICATIONS

1. ALL ELECTRICAL INSTALLATION HEREIN SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE RULES, REGULATIONS AND REQUIREMENTS OF THE LOCAL POWER COMPANY AND THE LAWS AND ORDINANCES OF THE LOCAL ENFORCING AUTHORITY.

2. THE TYPE OF POWER SERVICE TO BE SUPPLIED IN THE OFFICE AREA SHALL BE 400/230V, 3Ø, 4W+G 60Hz AS follows 120kVA 120V/208V, 3Ø, 60Hz STEP-UP DRY TYPE TRANSFORMER PER FLOOR

3. ALL CONDUCTORS SHALL BE COPPER, TYPE THWN 75°C 600 VOLT INSULATION, MINIMUM SIZE SHALL BE 3.5mm² (#12 AWG) UNLESS OTHERWISE SPECIFIED. INSULATION COLOR OF THE CABLES SHALL BE AS FOLLOWS:

LINE WIRES:	
SINGLE PHASE	– RED, YELLOW
THREE PHASE	– RED, YELLOW, BLUE
GROUND WIRE	– GREEN
NEUTRAL	– WHITE

4. UNLESS SHOWN OTHERWISE, THE MOUNTING HEIGHT FROM FINISHED FLOOR LEVEL FOR THE VARIOUS ITEMS OF ELECTRICAL EQUIPMENT SHALL BE AS FOLLOWS:

CONVENIENCE OUTLETS	–	300mm TO CENTER LINE
LIGHTING SWITCHES	–	1120mm TO CENTER LINE
DISTRIBUTION BOARD	–	GENERALLY 1800mm TO TOP OF PANEL

5. ALL MATERIALS SHALL BE NEW AND OF THE APPROVED TYPE IN ACCORDANCE with THE DRAWINGS AND SPECIFICATIONS FOR THE LOCATION INTENDED.

6. ALL 20 AMPERE CIRCUIT HOMERUNS TO PANELBOARDS, MORE THAN 30.0M (100.0') IN LENGTH SHALL BE 5.5mm², UNLESS OTHERWISE SPECIFIED.

7. STANDARD TYPE OF ACCESSORIES, SPLICING DEVICES, TERMINATION AND OTHER APPURTENANCES FOR THE ENTIRE ELECTRICAL INSTALLATIONS SHALL BE USED IN ACCORDANCE WITH PEC REQUIREMENTS.

8. FOR ACTUAL LOCATION OF LIGHTING FIXTURES, MOTORS, FANS AND OTHER ELECTRICAL EQUIPMENT, SEE ARCHITECTURAL, MECHANICAL, FIRE PROTECTION AND SANITARY DRAWINGS.

9. ALL NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT AND LIGHTING FIXTURE SHALL BE EFFECTIVELY GROUNDED.

10. RACEWAY AND CABLE WAY ROUTING SHOWN ARE ONLY REPRESENTATIVE. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL PROPOSED ROUTING (SHOWN OR EVEN NOT SHOWN IN THE PLANS) AND INSTALLATION FOR APPROVAL.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY PERMITS/TESTING/CALIBRATION/TAGOUTS ENDORSEMENT FEES, ETC. REQUIRED BEFORE THE ELECTRICAL INSTALLATION IS PUT INTO OPERATION. ALL COSTS INCURRED THEREBY SHALL BE DEEMED TO BE INCLUDED IN THE ELECTRICAL CONTRACT.

12. ALL CIRCUIT BREAKER SHALL BE BOLT-ON TYPE WITH 14 KAIC MINIMUM OR AS INDICATED IN THE LOAD SCHEDULE.

13. UNLESS OTHERWISE INDICATED, ALL WIRING SHALL BE IN RIC AND FLEXIBLE METAL CONDUIT

    a. INDICATED OTHERWISE INDICATED, ALL TYPE OF CONDUIT SHALL BE INTERMEDIATE METAL CONDUIT TO BE INSTALLED OR EXPOSED INTERIOR WIRING, IN CONCRETE SLAB, IN DRY PARTITIONS, FOR EXPOSED EXTERIOR WIRING AND AS SHOWN ON THE DRAWINGS.

    b. ALL EQUIPMENT WHICH ARE SUBJECTED TO VIBRATION SHALL BE CONNECTED USING LIQUIDTIGHT PVC JACKETED STEEL CONDUIT IN WET OR DAMP LOCATION.

    c. CONDUIT MINIMUM SIZE SHALL BE
       - IMC, 15mm DIAMETER
       - FLEXIBLE METAL CONDUIT, 15mm DIAMETER

14. THE CONTRACTOR SHALL SUBMIT FOR THE PROJECT MANAGER'S/CONSULTANT'S DISAPPROVAL/APPROVAL OF THE EQUIPMENT CATALOGUES AND MANUFACTURER'S SPECIFICATION, SHOP DRAWING AND/OR SAMPLES BEFORE ANY EQUIPMENT IS TO BE ORDERED.

15. UNLESS OTHERWISE PERMITTED, ALL WIRING/CABLING SHALL BE PULLED CONTINUOUSLY WITHOUT SPLICE FROM SWITCH UP TO THE ELECTRICAL LOAD SERVED.

16. UNLESS OTHERWISE SPECIFIED, THE MINIMUM SIZE OF EQUIPMENT GROUNDING CONDUCTOR FOR GROUNDING RACEWAY & EQUIPMENT SHALL BE AS FOLLOWS:

RATING OR SETTING OF AUTOMATIC OVERCURRENT DEVICE IN CIRCUIT AHEAD OF EQUIPMENT, CONDUIT, ETC., NOT EXCEEDING (AMPERES)	SIZE
	COPPER WIRE (mm²)
15	2.0
20	3.5
30	5.5
40	5.5
60	8.0
100	8.0
200	14
300	22

17. FINAL MOUNTING HEIGHT AND LOCATIONS OF ELECTRICAL BOXES AND EQUIPMENT SHALL BE DETERMINED BY THE ARCHITECT UPON COORDINATION WITH THE ELECTRICAL ENGINEER.

18. ALL DEVICES AND EQUIPMENT SHOWN ARE ONLY APPROXIMATE LOCATION, ACTUAL SETTING CAN BE MOVED WITHIN 0.61 METERS (05 FT.) ABOVE WITHOUT ADDITIONAL COST TO THE OWNER.

19. ALL ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED/REGISTERED ELECTRICAL ENGINEER.

20. ALL NECESSARY HACKING/CHASING OF FLOOR AND MASONRY WORK SHALL BE INCLUDED IN THIS CONTRACT AND SHALL BE WITH PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER/BUILDING OPERATIONS MANAGER.

21. THE CONTRACTOR SHALL CONDUCT PHASE SEQUENCE TEST, INSULATION RESISTANCE TEST, CONTINUITY TEST AND OTHER TEST AS REQUIRED BEFORE THE ELECTRICAL INSTALLATION IS PUT INTO OPERATION. ALL SUCH TEST SHALL BE SUBMITTED TO THE PROJECT MANAGER/ENGINEER FOR CHECKING AND APPROVAL.

22. ALL RECEPTACLE OUTLET BOXES (CEILING SPACE AND M ELECTRICAL ROOM SHALL BE METAL CLAD TYPE.

23. EXISTING DISCONNECT SWITCH FOR FAN COIL UNITS (FCU) AND EXHAUST FANS (EF) SHALL BE REUSED. NEW WIRES AND CABLES WILL BE PROVIDED FROM THE DISCONNECT SWITCH UP TO PANELBOARDS

ABBREVIATIONS

ATS	AUTOMATIC TRANSFER SWITCH	NO	NORMALLY OPEN
CBS	CIRCUIT BREAKER, SHUNT TRIP, UNDERVOLTAGE AND GROUND FAULT	NC	NORMALLY CLOSE
DP	DISTRIBUTION PANEL	PP	POWER PANEL
ACB	AIR CIRCUIT BREAKER	LP	LIGHTING PANEL
MC	METAL CLAD	LVS	LOW VOLTAGE SWITCHGEAR
MCC	MOTOR CONTROLLER CENTER	CT	CURRENT TAP
MCCB	MOLDED CASE CIRCUIT BREAKER	WM	WASHING MACHINE
MCP	MOTOR CIRCUIT PROTECTOR	WP	WEATHER PROOF
MCS	MAGNETIC CASE SWITCH	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
MDB	MAIN DISTRIBUTION BOARD	DDC	DIRECT DIGITAL CONTROLLER
OPTS	OPEN CLOSE TRANSITION SWITCH	UH	UNDER HOOD
EDP	ELECTRONIC DATA PROCESSING	EDH	ELECTRIC DRYER MACHINE
WH	WATER HEATER	RH	ROOM HEATER
FA	FIRE ALARM CONTROL PANEL	AV	AUDIO VISUAL
WS	WATER SUPPLY	DH	DUCT HEATER
K	KEY	K	KNOCK OUT

LEGEND & SYMBOLS

SYMBOLS	DESCRIPTION	SYMBOLS	
POWER		LIGHTING	
	DUPLEX CONVENIENCE OUTLETS, 15A, 220V, 3Ø, UNIVERSAL GROUNDING TYPE WHERE: X DENOTES: D – DUPLEX OUTLET U – UPS SUPPLIED GFCI – GROUND FAULT CIRCUIT INTERRUPTER N – NORMAL		
	TABLE MOUNTED DUPLEX RECEPTACLE, 15A, 250V, 2P, 3W, UNIVERSAL GROUNDING TYPE TM – TABLE MOUNTED FM – FLOOR MOUNTED		
	PANELBOARD		
	JUNCTION BOX POWER PROVISION WLD – WATER LEAK DETECTOR PANEL FSP – FIRE SUPPRESSION PANEL BMS – BUILDING MANAGEMENT SYSTEM CP – CEILING MOUNTED PROJECTOR MS – MOTORIZED SCREEN LCP – LIGHTING CONTROL PANEL BMS – BUILDING MANAGEMENT PANEL SC – SECURE CONTROL		
	AV RACK COMMANDO SOCKET, 250V, 45A, 3W (VERIFY W/ AV CONSULTANT)		
	IEC 60309 OUTLETS, 250V, 30A, 3W (VERIFY W/ IT)		
	DISCONNECT SWITCH, RATING AS INDICATED EF – EXHAUST FAN FCU – FAN COIL UNIT		
	ENCLOSED CIRCUIT BREAKER (ECB)		
	HIGH LEVEL CONTAINMENT		
	LOW LEVEL CONTAINMENT		
	GROUNDING BUSBAR		
	5W LED LIGHT-SELF CONTAINED MAINTAINED DOUBLE SIDED DIRECTIONAL EXIT LIGHT WITH 2 HOURS BATTERY PACK		
	PHOTO/DAYLIGHT SENSOR		
	7W LED SINGLE PENDANT		
	25W INCANDESCENT LIGHT		
	12W LED STRIP LIGHT		

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER: ALFREDO O. KOCHINGSUEE, JR.
PROFESSIONAL ELECTRICAL ENGINEER
REV NO. | DATE | ISSUED
PTR NO. | ISSUED | PLACE | MAKATI CITY
OR/CR NO. | ISSUED

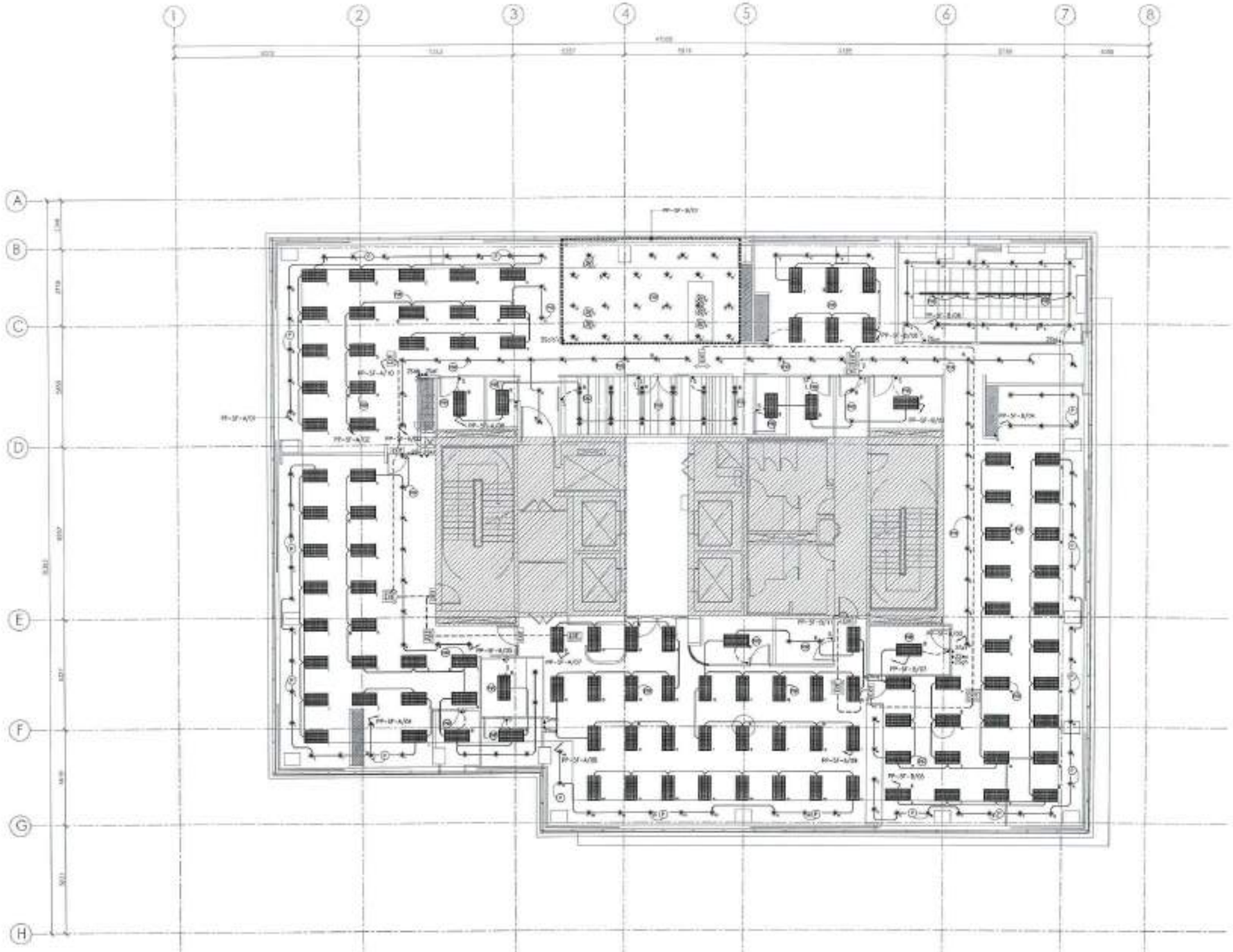
PROJECT TITLE: PROPOSED PEZA BIC OFFICE FITOUT
LOCATION: ROXAS BLVD, PASAY CITY, METRO MANILA, PHILIPPINES

OWNER: PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL/CEO

SHEET CONTENTS: ELECTRICAL SERVICES
DRAWING INDEX, GENERAL NOTES, ABBREVIATIONS AND LEGEND & SYMBOLS

JMR	VEDRAN	AGR		APPROVED FOR CONSTRUCTION	22/09/20
DRAWN BY	CHECKED BY	APPV BY	ISSUED	ISSUED FOR BID	DATE

SHEET NO. EEG-01
PROJ NO. MP2558



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5TH FLOOR LIGHTING LAYOUT

APPROVED FOR CONSTRUCTION

AridNovus

METRO MANILA, PHILIPPINES

Meinhardt Philippines, Inc.

ENGINEER:

ALFREDO SUNGHANGAO, JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE:

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: ROXAS BLVD MANILA CITY, METRO MANILA, PHILIPPINES

OWNER:

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANGA
DIRECTOR GENERAL / CEO

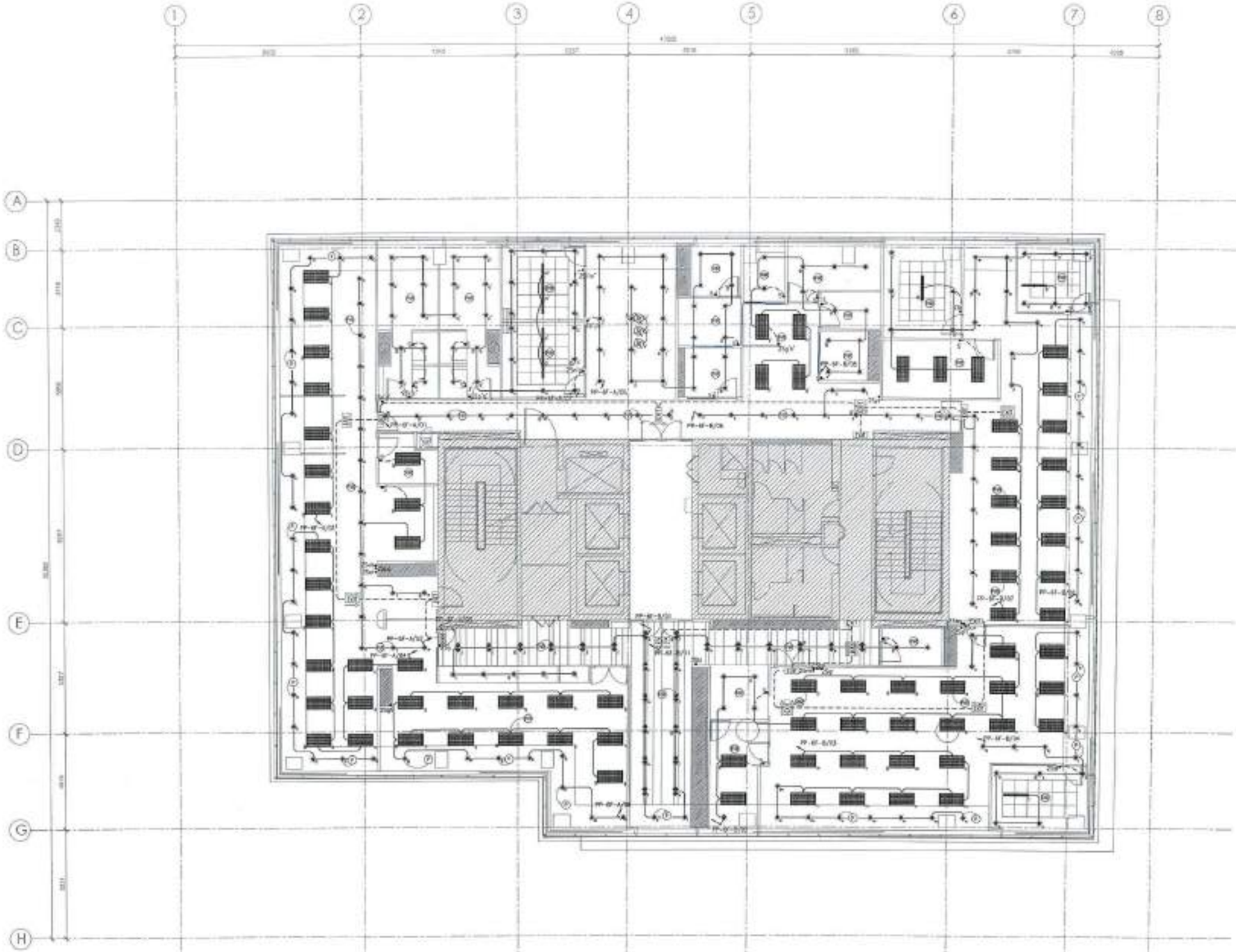
SHEET CONTENTS:

ELECTRICAL SERVICES
5TH FLOOR
LIGHTING LAYOUT

SHEET NO.

EE1-01

PROJ NO. MP2566



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6TH FLOOR LIGHTING LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

ALFREDO D. RODRIGUEZ JR.
PROFESSIONAL ELECTRICAL ENGINEER

REV NO.	DES	DRFT.	PLANNER
STD NO.	TRACE	PLAN.	QUALITY CTL
APPD NO.			

PROJECT TITLE

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: ROXAS BLVD. MANILA CITY, METRO MANILA, PHILIPPINES

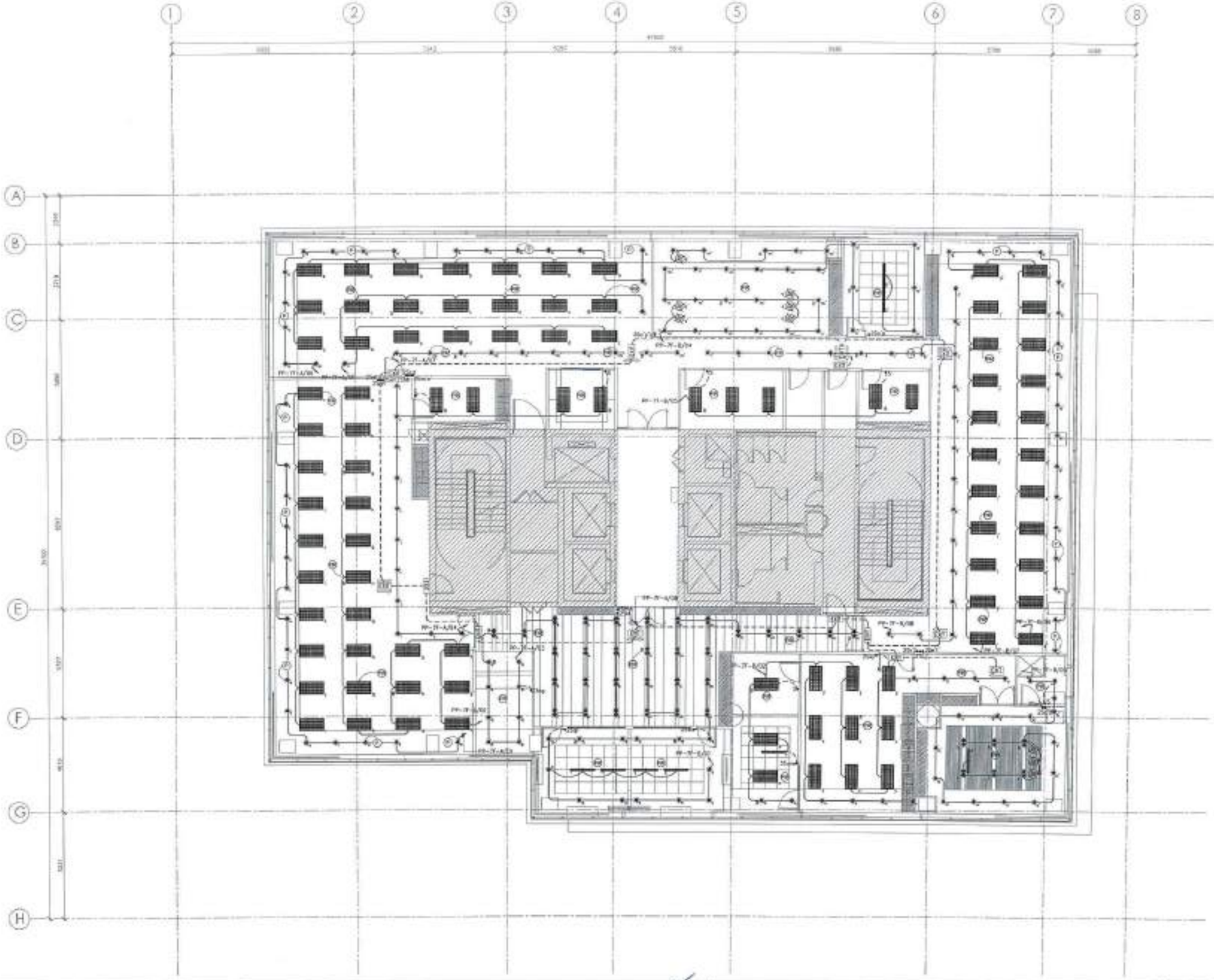
OWNER:

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESITA D. PANGA
DIRECTOR GENERAL - PEZA

SHEET CONTENTS:

ELECTRICAL SERVICES
6TH FLOOR
LIGHTING LAYOUT



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7TH FLOOR LIGHTING LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

ALFREDO GUERRERO JR.
PROFESSIONAL ELECTRICAL ENGINEER

REG. NO.	0000	DTE.	00-00-00
PTR NO.	1000000	PLACE	MAKATI CITY
APPROVAL	1100-75-000		

PROJECT TITLE

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: ROXAS BLVD, PASAY CITY, METRO MANILA, PHILIPPINES

OWNER:

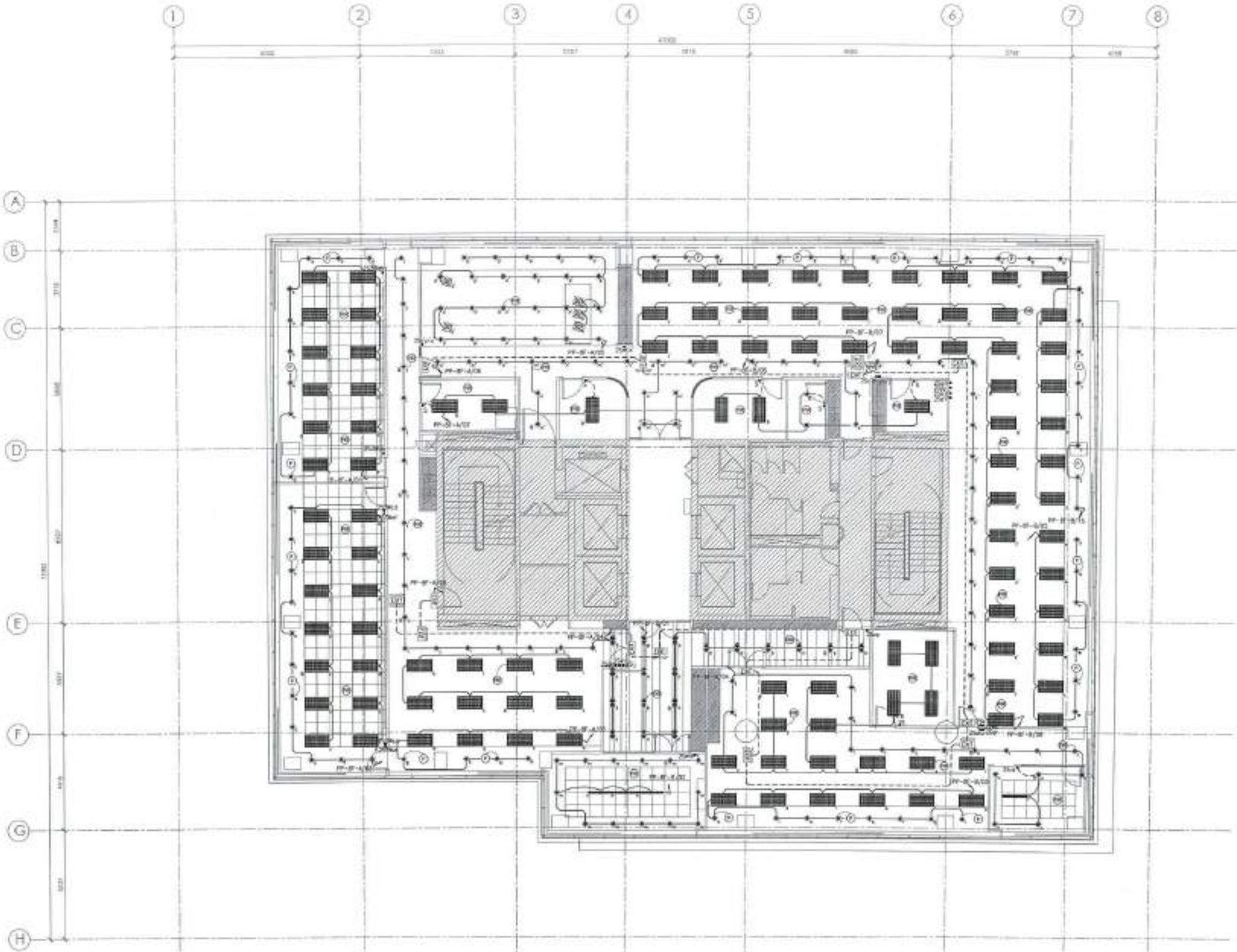
PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESITA C. PANGA
DIRECTOR GENERAL – PEZA

SHEET CONTENTS

ELECTRICAL SERVICES
7TH FLOOR
LIGHTING LAYOUT

JMB	VICTORIA	ACP			SHEET NO.
DRAWN BY	CHECKED BY	APPD BY	NOTE	APPROVED FOR CONSTRUCTION	EE1-03
				DATE	PROJ NO. MP2558



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8TH FLOOR LIGHTING LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE:
PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: REMBO BLVD, TAGUIG CITY, METRO MANILA, PHILIPPINES

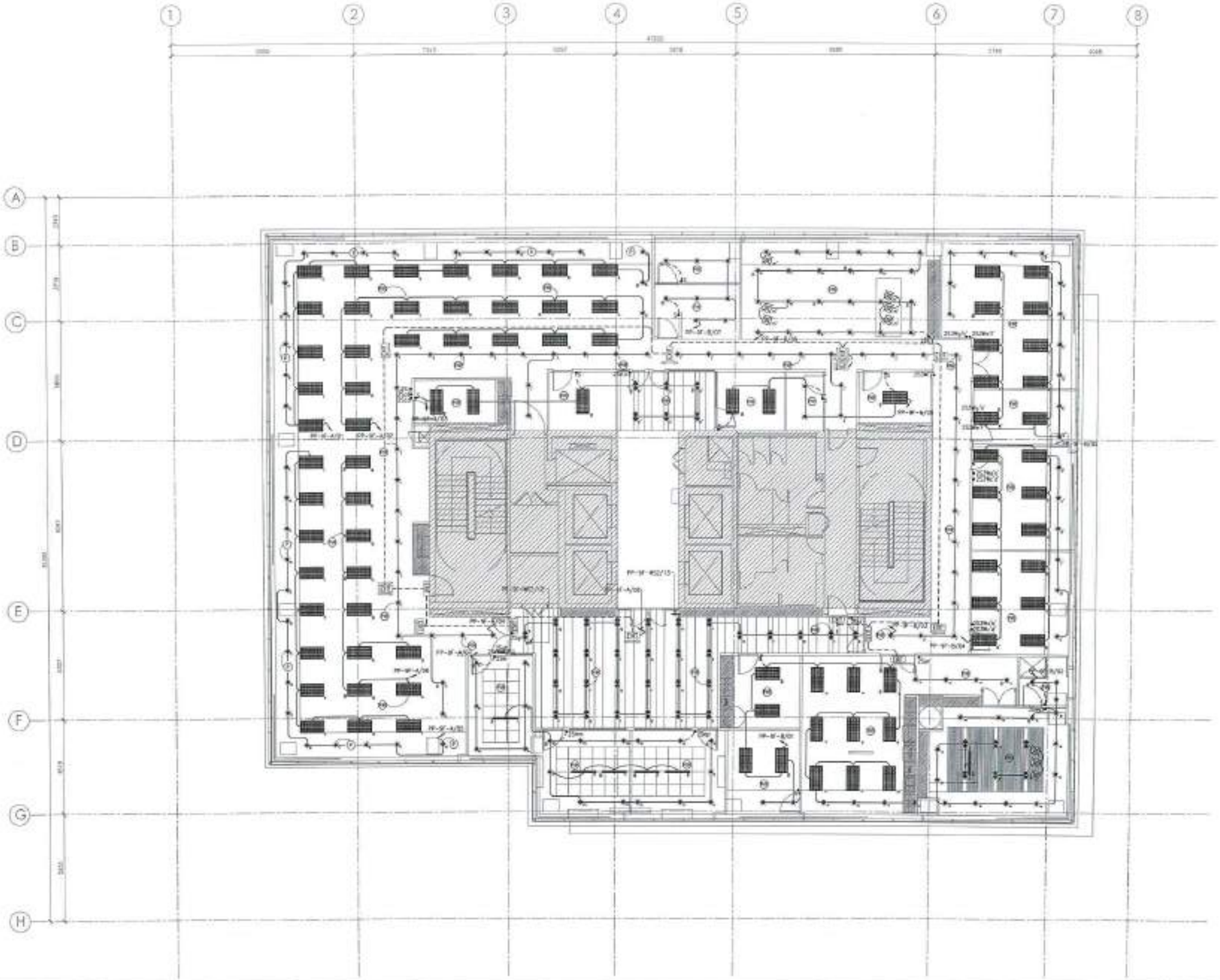
OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESITO PANGA

SHEET CONTENTS:
ELECTRICAL SERVICES
8TH FLOOR
LIGHTING LAYOUT

APPROVED FOR CONSTRUCTION

SHEET NO.
EE1-04

PROJ NO. MP2358



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9TH FLOOR LIGHTING LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

ALFREDO G. RODRIGUEZ JR.
PROGRAM ELECTRICAL OWNER

REG NO.	0121	DATE	15 MAR 2023
PRC ID	1393884	PLACE	MAKATI CITY
BPOA ID	7167686		

PROJECT TITLE

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: ROXAS BLVD, PASAY CITY, METRO MANILA, PHILIPPINES

OWNER:

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANGA
DIRECTOR GENERAL - PEZA

SHEET CONTENTS

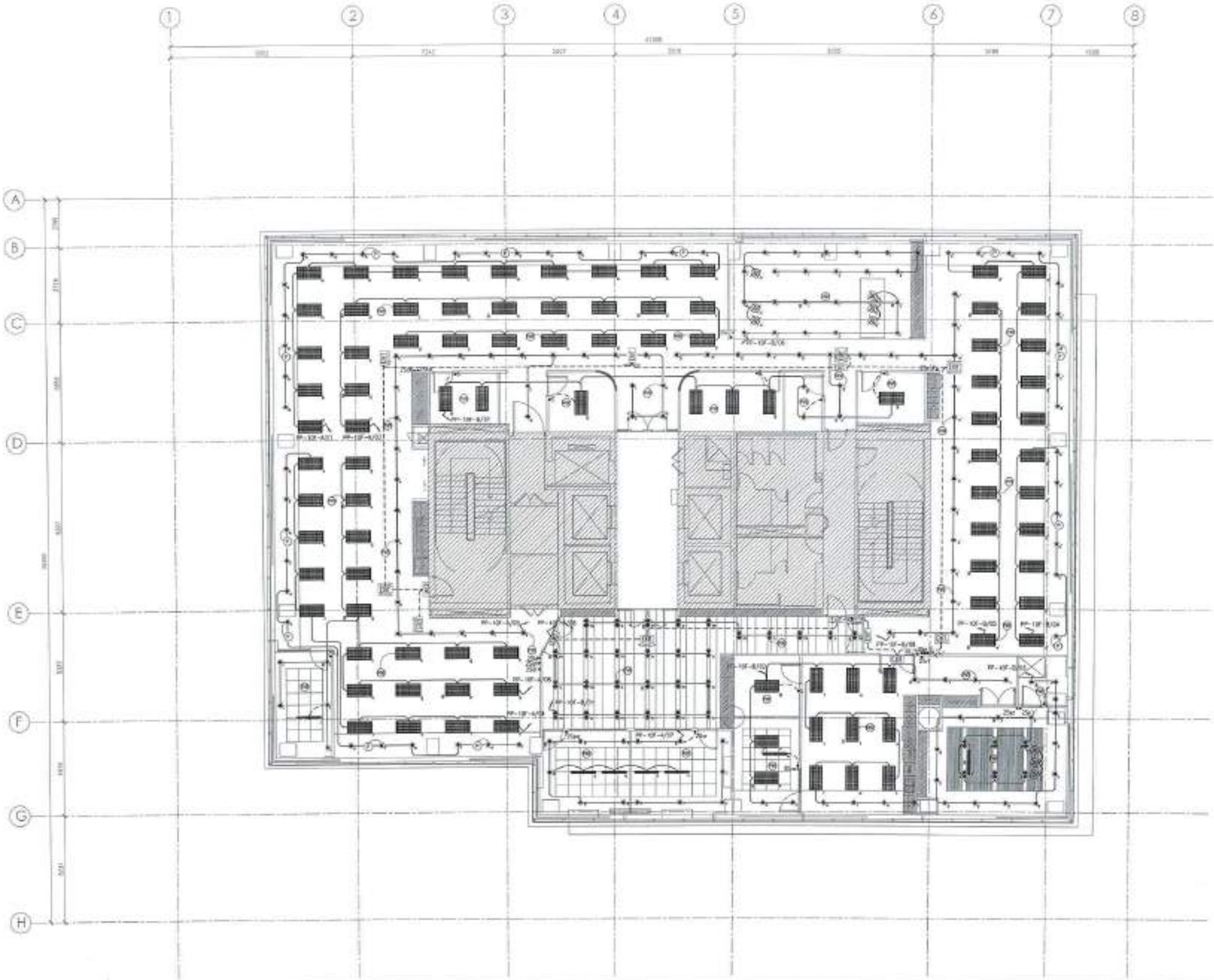
ELECTRICAL SERVICES
9TH FLOOR
LIGHTING LAYOUT

JMN	VSC/RMS	VQC	APPROVED FOR CONSTRUCTION	23/03/23
DRAWN BY	CHECKED BY	APPD BY		DATE

SHEET NO.

EE1-05

PROJ NO. MP2558



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10TH FLOOR LIGHTING LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

ALVARO O. RODRIGUEZ JR.
PROFESSIONAL ELECTRICAL ENGINEER

REV NO.	DES	DATE	ISSUED
PTR NO.	[illegible]	PLACE	MAKATI CITY
ARTA NO.	[illegible]		

PROJECT TITLE

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: BONIFACIO HIGH STREET, BONIFACIO GLOBAL CITY, METRO MANILA, PHILIPPINES

OWNER:

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANGA
DIRECTOR GENERAL, PEZA

SHEET CONTENTS

ELECTRICAL SERVICES
10TH FLOOR
LIGHTING LAYOUT

REV	DESCRIPTION	BY	CHK	APP	DATE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

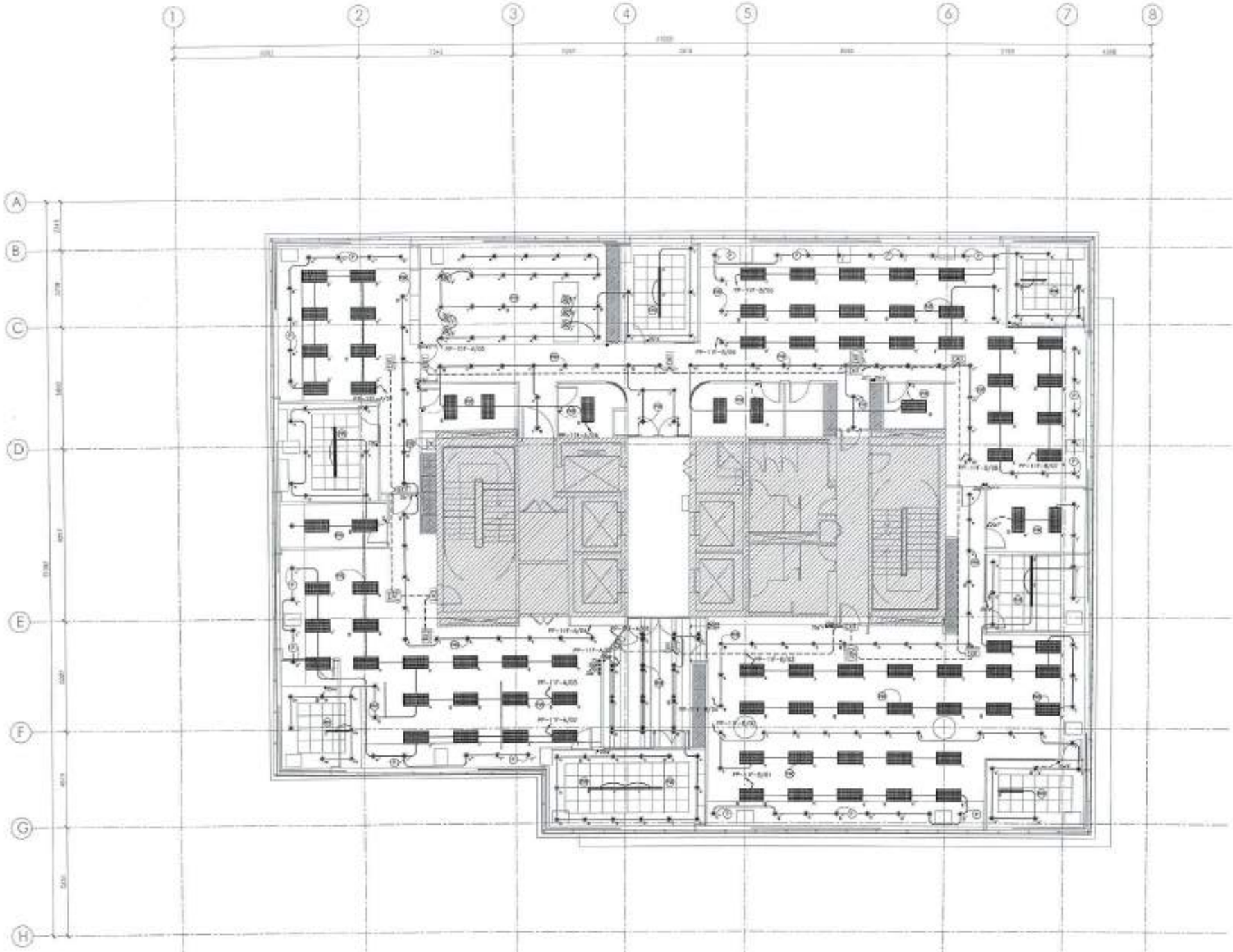
APPROVED FOR CONSTRUCTION

ISSUED DATE

SHEET NO.

E01-00

PROJ NO. MP2558



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11TH FLOOR LIGHTING LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

Meinhardt Philippines, Inc.

ENGINEER:

ALFREDO O. RODRIGUEZ JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: BONIFACIO BAY CITY, METROMANILA, PHILIPPINES

OWNER :

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANGA
SHEETH MONAL PEZA

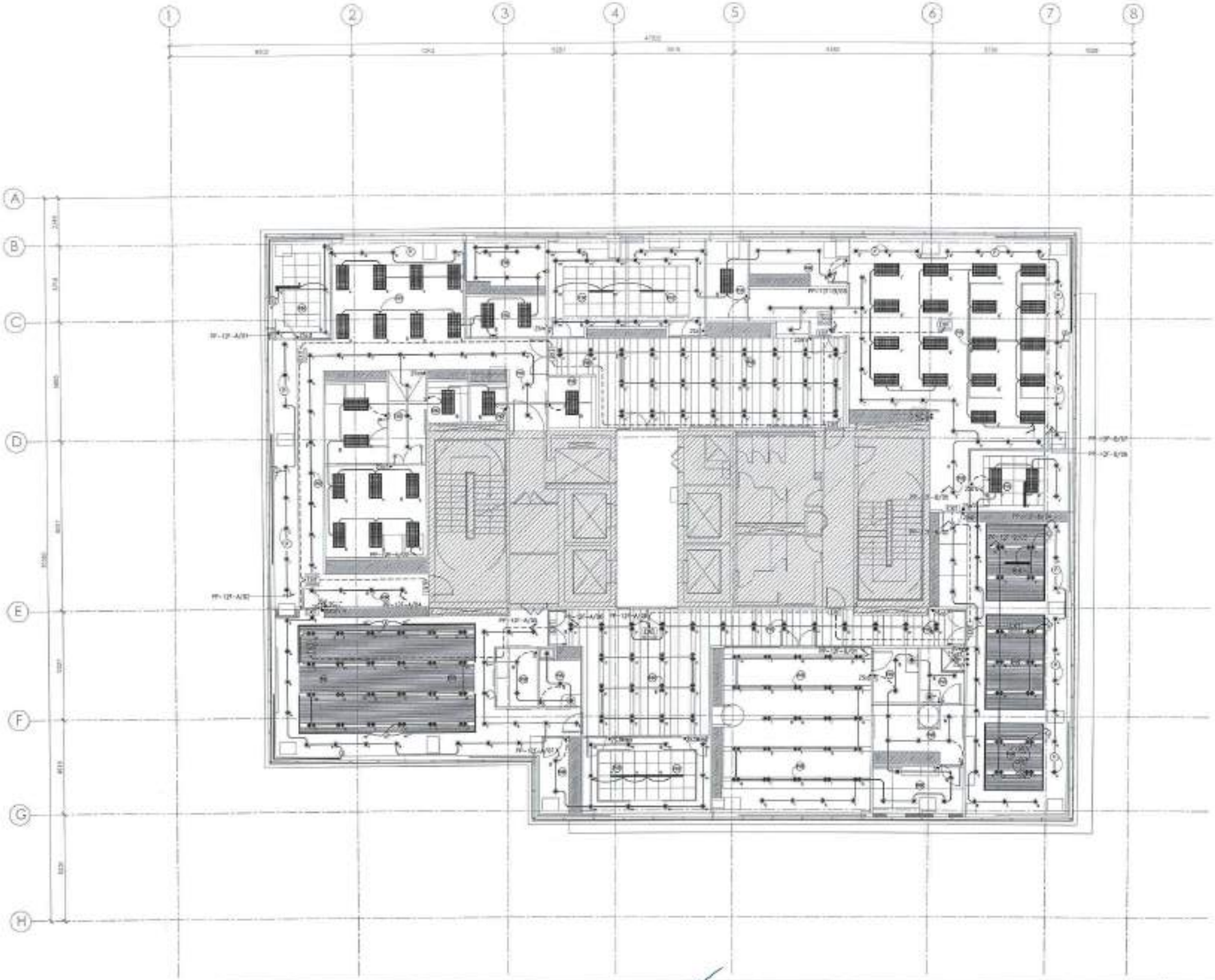
SHEET CONTENTS

ELECTRICAL SERVICES
11TH FLOOR
LIGHTING LAYOUT

SHEET NO.

EE1-07

PROJ NO. MP2058



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12TH FLOOR LIGHTING LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE: PROPOSED PEZA BIC OFFICE FITOUT

LOCATION:

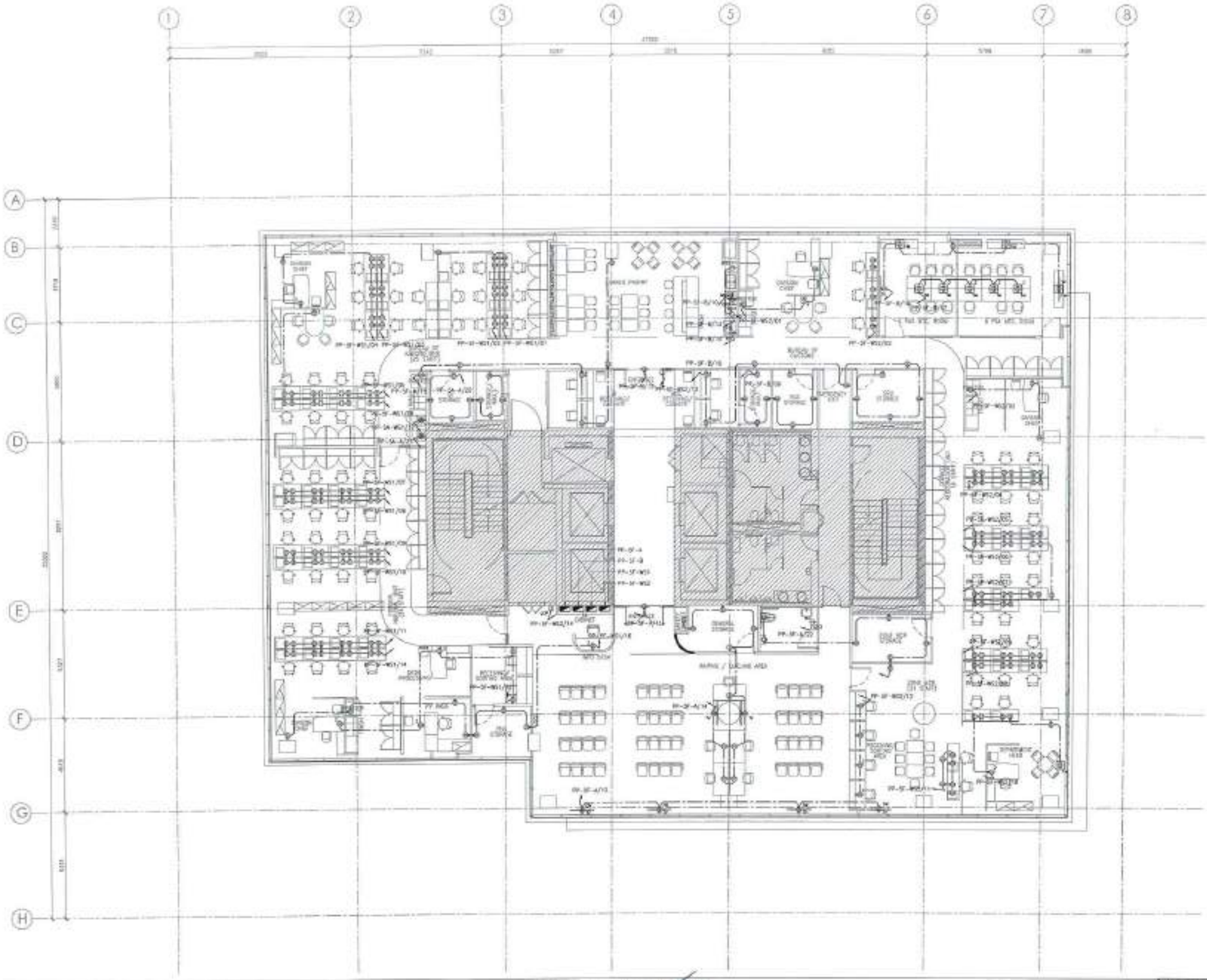
OWNER: PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL - PEZA

SHEET CONTENTS: ELECTRICAL SERVICES
12TH FLOOR
LIGHTING LAYOUT

APPROVED FOR CONSTRUCTION

SHEET NO.: EE1-08

PROJ NO.: MP2558



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5TH FLOOR POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

Meinhardt Philippines, Inc.

ENGINEER:

ALFREDO G. RODRIGUEZ, JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: BGHMB BONIFACIO GLOBAL CITY, METRO MANILA, PHILIPPINES

OWNER:

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANGA
DIRECTOR GENERAL, PEZA

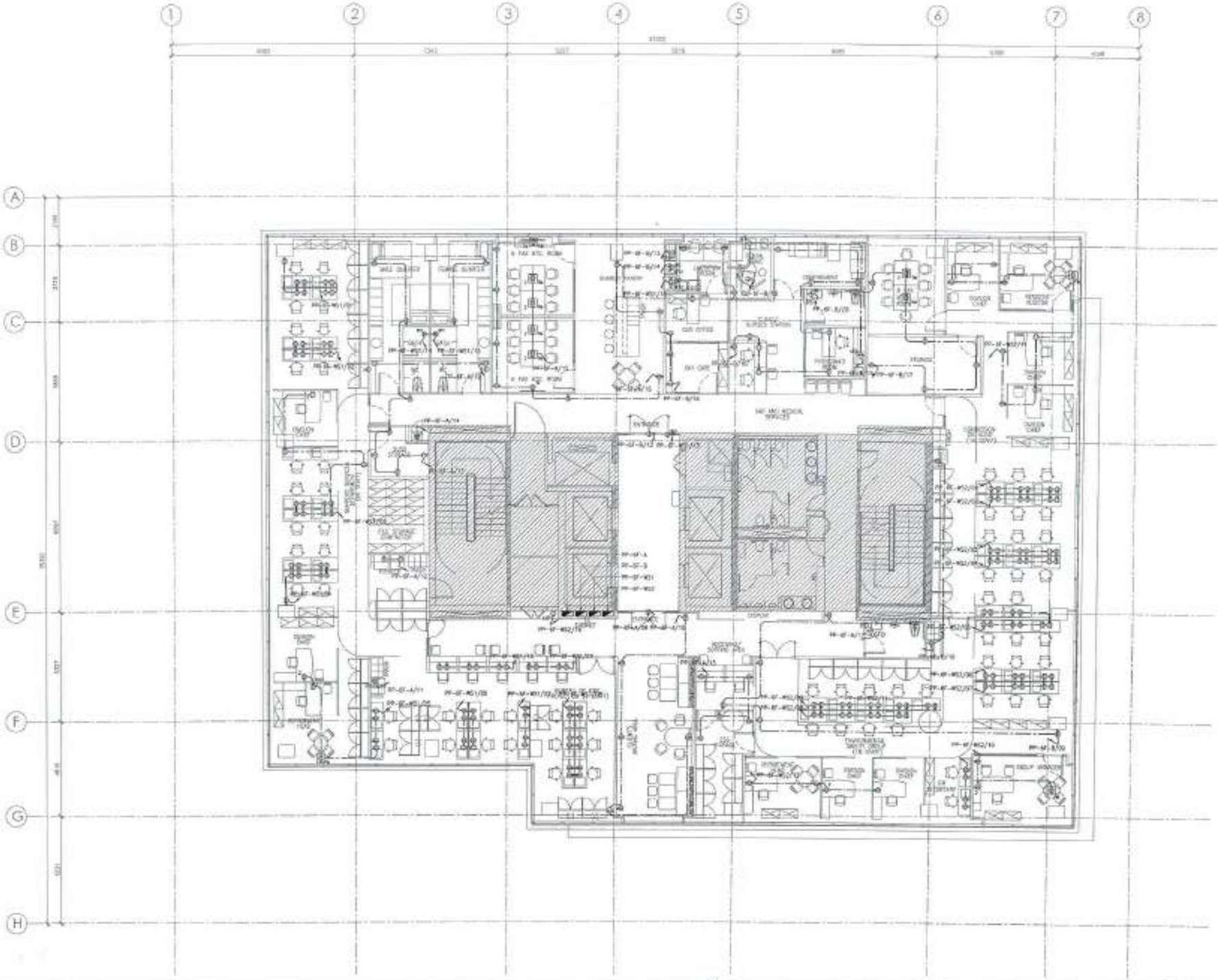
SHEET CONTENTS

ELECTRICAL SERVICES
5TH FLOOR
POWER LAYOUT

SHEET NO.

E02-01

PROJ NO. MP2568



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6TH FLOOR POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

Meinhardt Philippines, Inc.

ENGINEER:

ALFREDO G. RODRIGUEZ JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: BONIFACIO DRIVE, PORT AREA, BARANGAY 649, ZONE 68, DISTRICT III, CITY OF MANILA, METRO MANILA, PHILIPPINES

OWNER:

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANGA
DIRECTOR GENERAL, PEZA

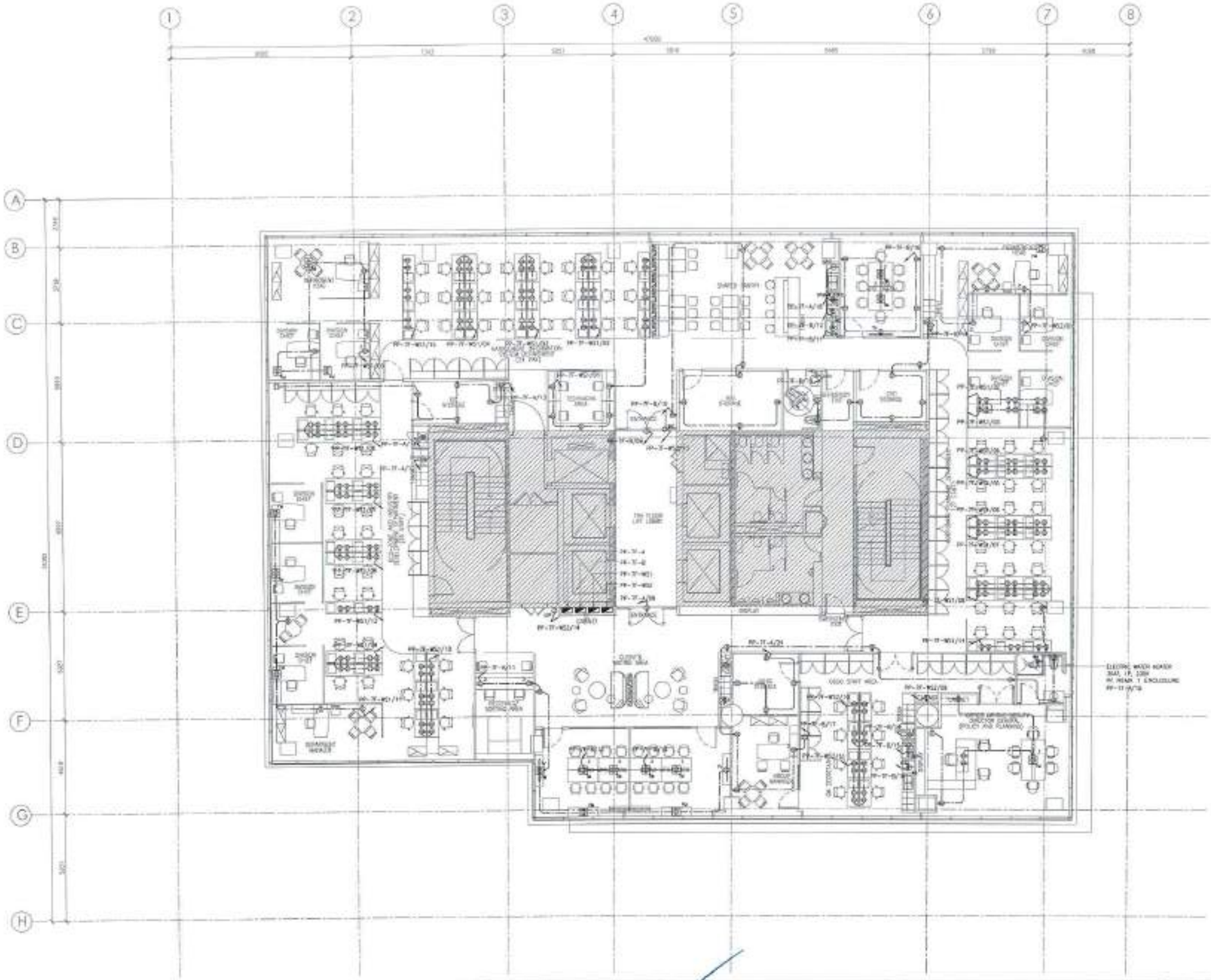
SHEET CONTENTS

ELECTRICAL SERVICES
6TH FLOOR
POWER LAYOUT

JBM				APPROVED FOR CONSTRUCTION	

SHEET NO.
EE2-02

PROJ NO. MP2559



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7TH FLOOR POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE: PROPOSED PEZA BIC OFFICE FITOUT

LOCATION:

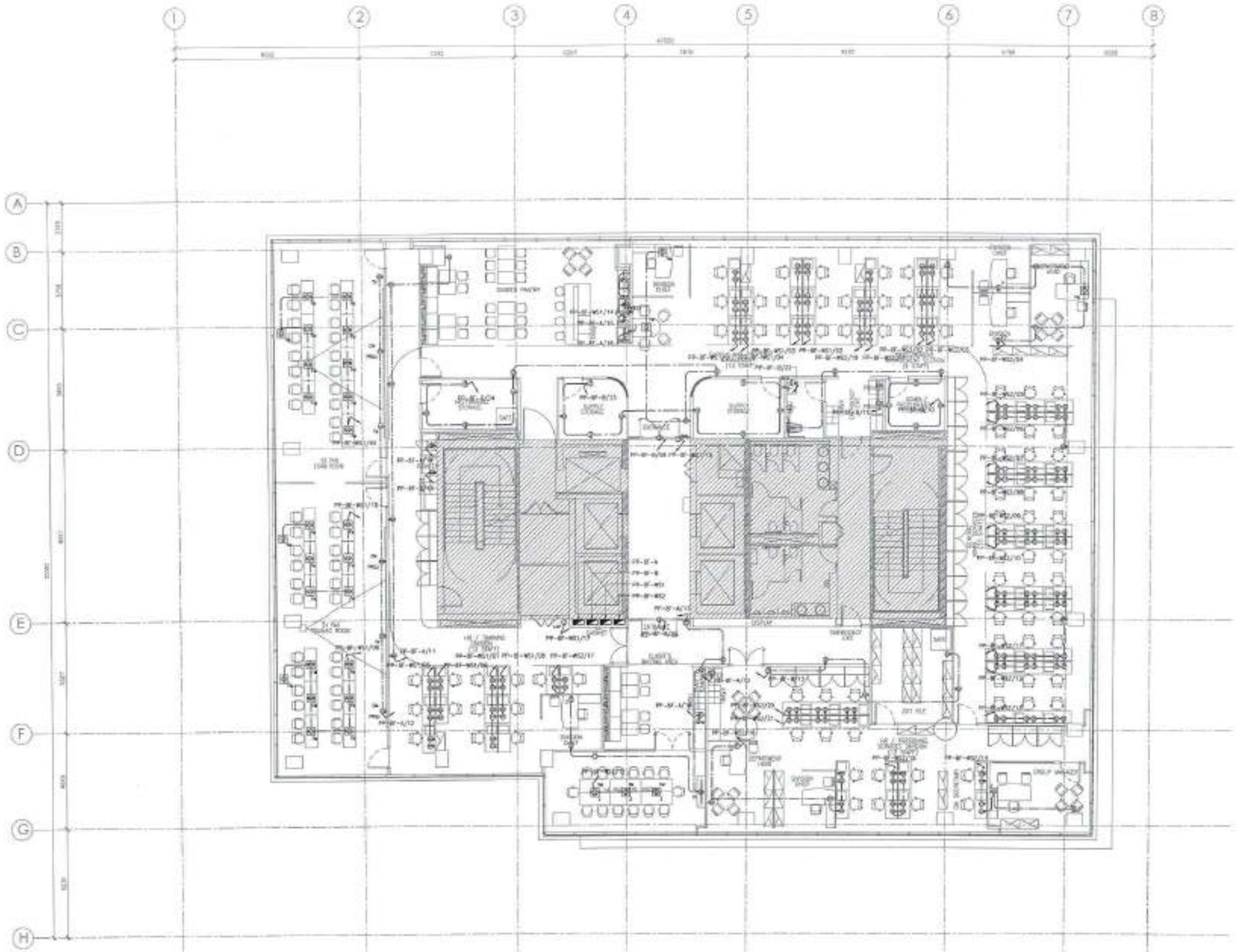
OWNER: PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANOA

SHEET CONTENTS: ELECTRICAL SERVICES 7TH FLOOR POWER LAYOUT

SHEET NO. EE2-03

PROJ NO. MP2504



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8TH FLOOR POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

ALFREDO GONDRIGUEZ, JR.
PARTICULAR ELECTRICAL ENGINEER

PROJECT TITLE:

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION:

OWNER:

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANGA
DIRECTOR GENERAL, PEZA

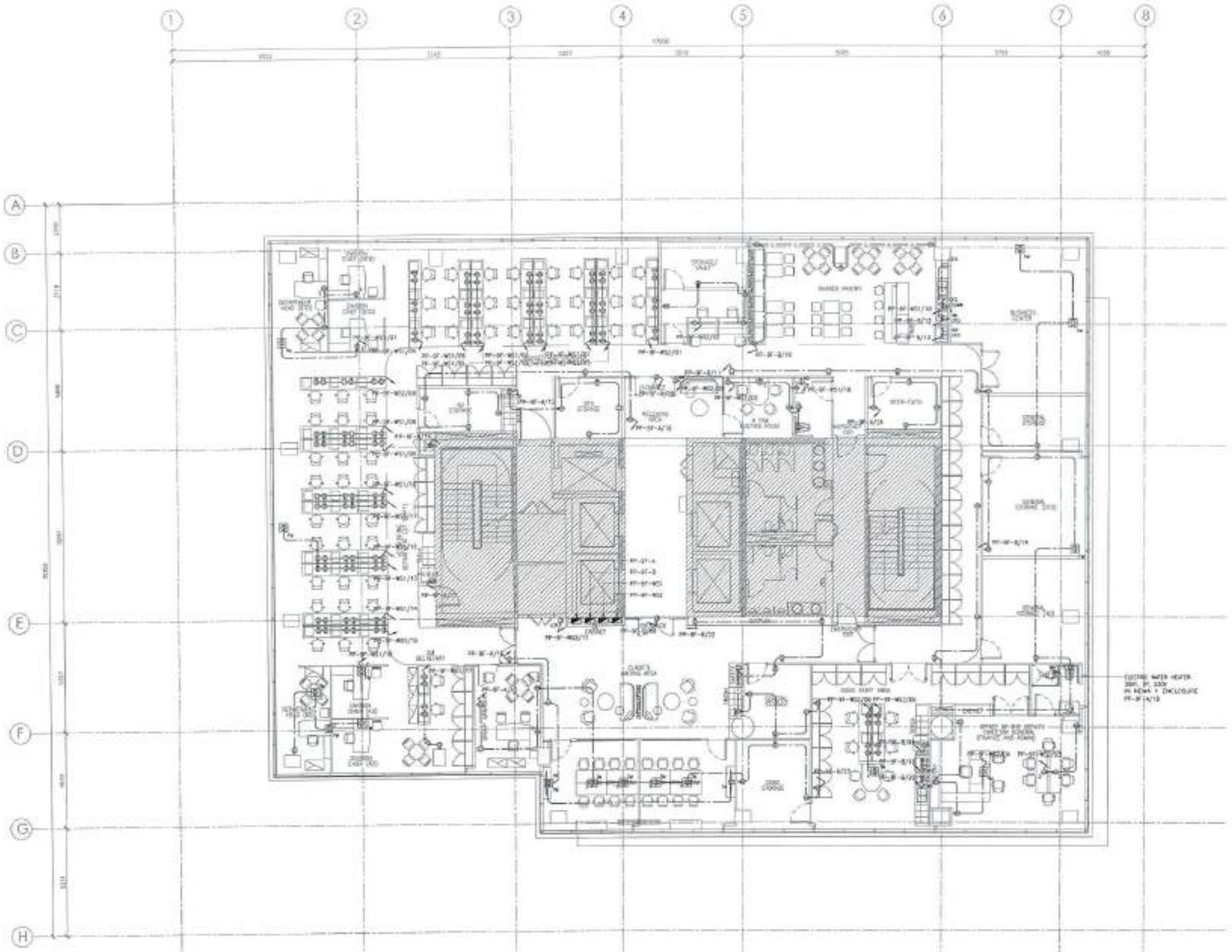
SHEET CONTENTS:

ELECTRICAL SERVICES
8TH FLOOR
POWER LAYOUT

SHEET NO.

E2-04

PROJ NO. MP2558



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9TH FLOOR POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

ALFREDO O. RODRIGUEZ JR.
PROFESSIONAL ELECTRICAL ENGINEER

REV NO.	DESCRIPTION	DATE	ISSUED
STATUS	FOR BID	PLOT DATE	08/07/2017
DRAWN BY			

PROJECT TITLE

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: ROXAS BLVD, PASAY CITY, METRO MANILA, PHILIPPINES

OWNER :

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANGA
DIRECTOR GENERAL / CEO

SHEET CONTENTS

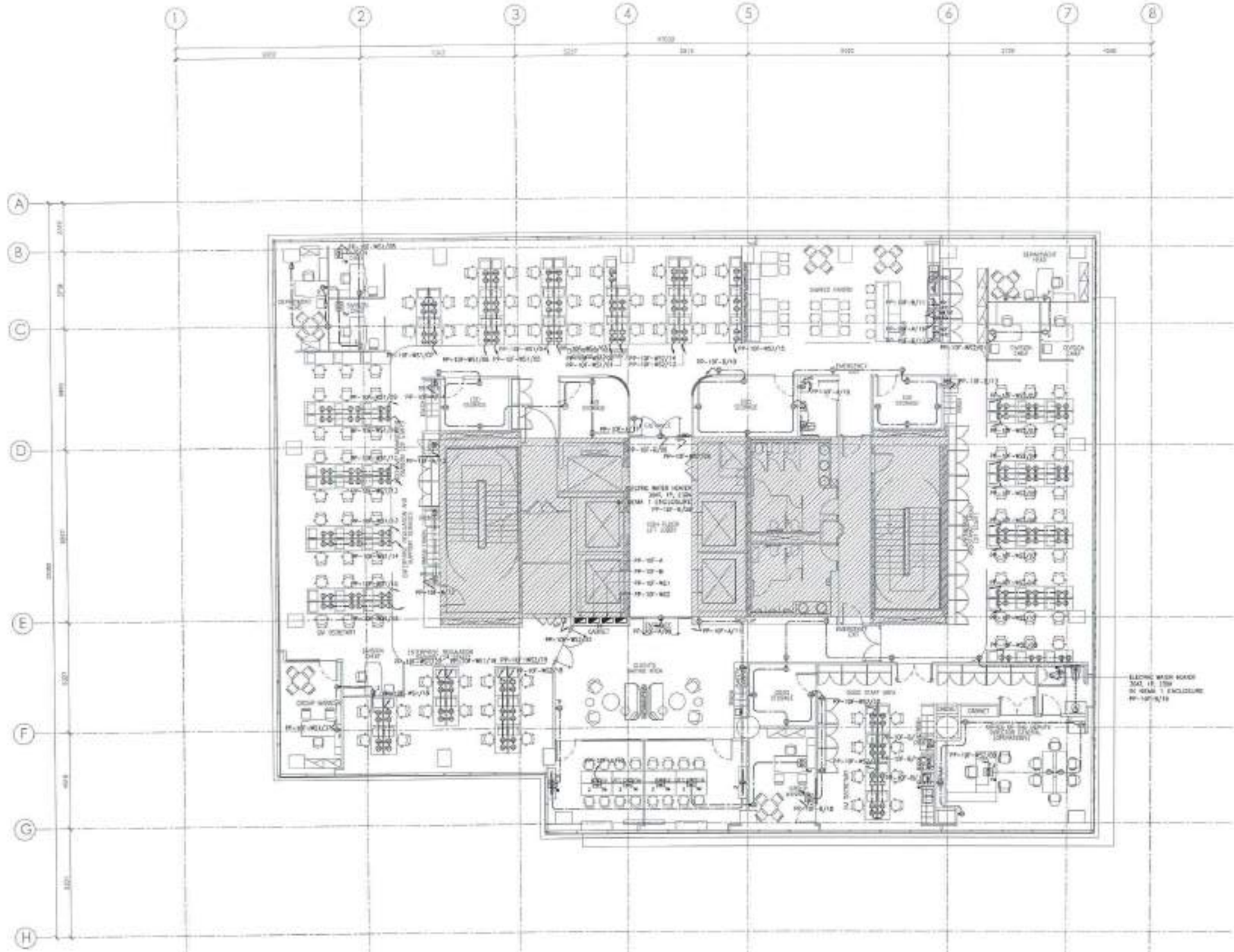
ELECTRICAL SERVICES
9TH FLOOR
POWER LAYOUT

ISSUED	DESCRIPTION	DATE	BY
08/07/2017	APPROVED FOR CONSTRUCTION		

SHEET NO.

EE2-05

PROJ NO. MP2668



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10TH FLOOR POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

ALFREDO S. RODRIGUEZ, JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION

OWNER :

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANGA
DIRECTOR GENERAL

SHEET CONTENTS

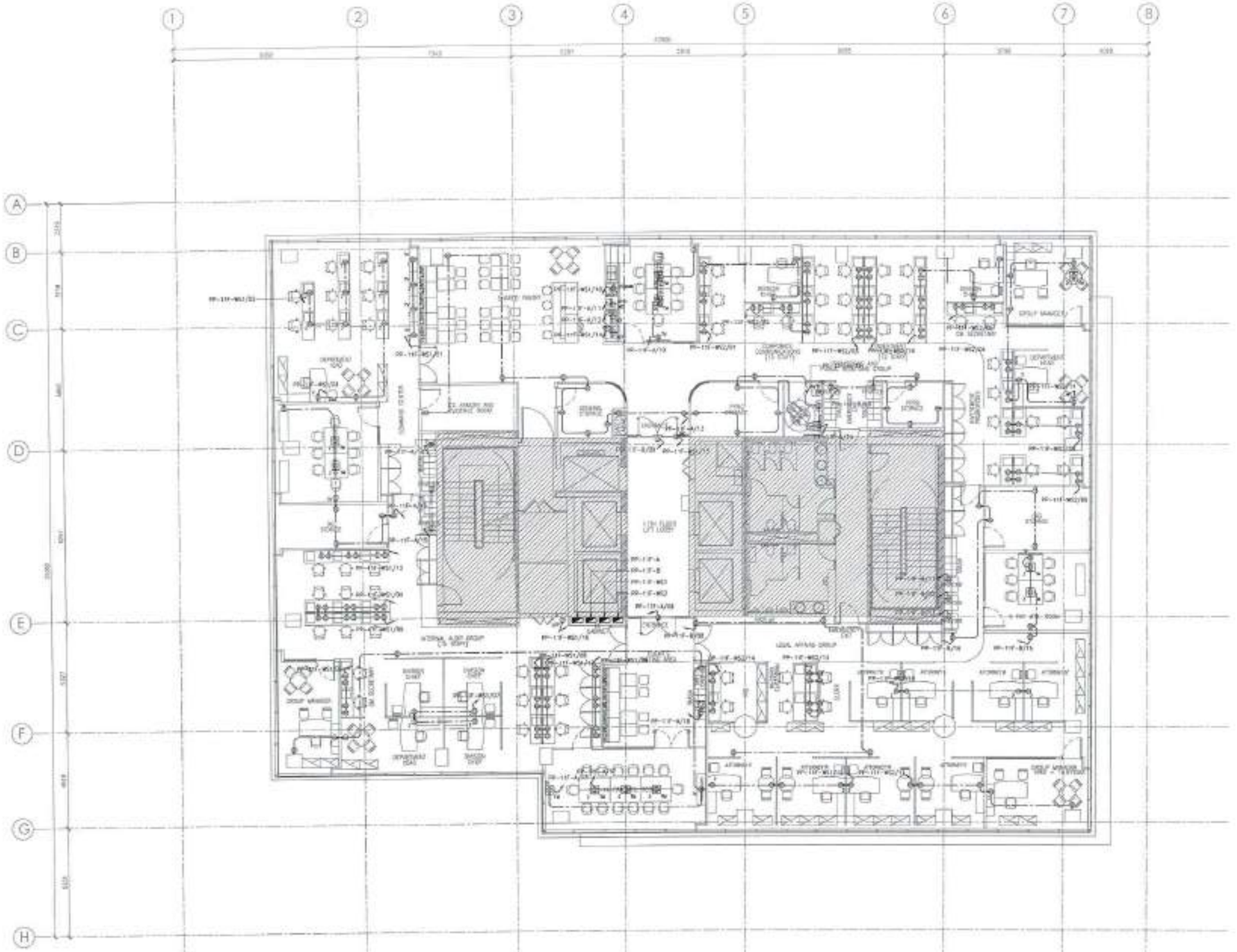
ELECTRICAL SERVICES
10TH FLOOR
POWER LAYOUT

APPROVED FOR CONSTRUCTION

SHEET NO.

EE2.06

PROJ NO.



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11TH FLOOR POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArchNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:
ALFREDO D. HERRADURA JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE
PROPOSED PEZA BIC OFFICE FITOUT

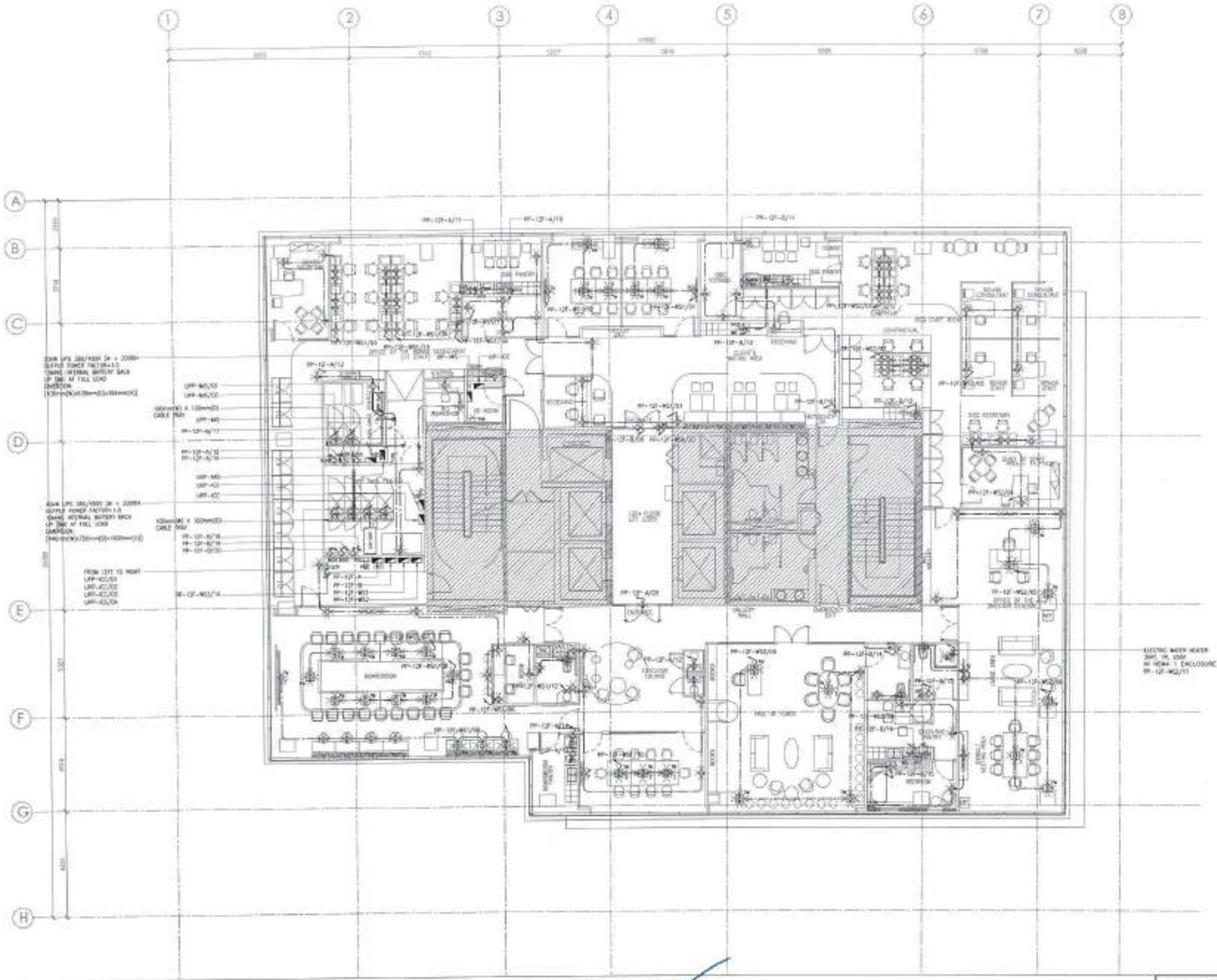
LOCATION: BONIFACIO TRIEV CITY, METROMANILA, PHILIPPINES

OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL - PEZA

SHEET CONTENTS
ELECTRICAL SERVICES
11TH FLOOR
POWER LAYOUT

SHEET NO.
EE2-07

PROJ NO. MP2566



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12TH FLOOR POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

METRHARDT
Meinhardt Philippines, Inc.

ENGINEER:
ALFREDO M. RODRIGUEZ JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE
PROPOSED PEZA BIC OFFICE FITOUT

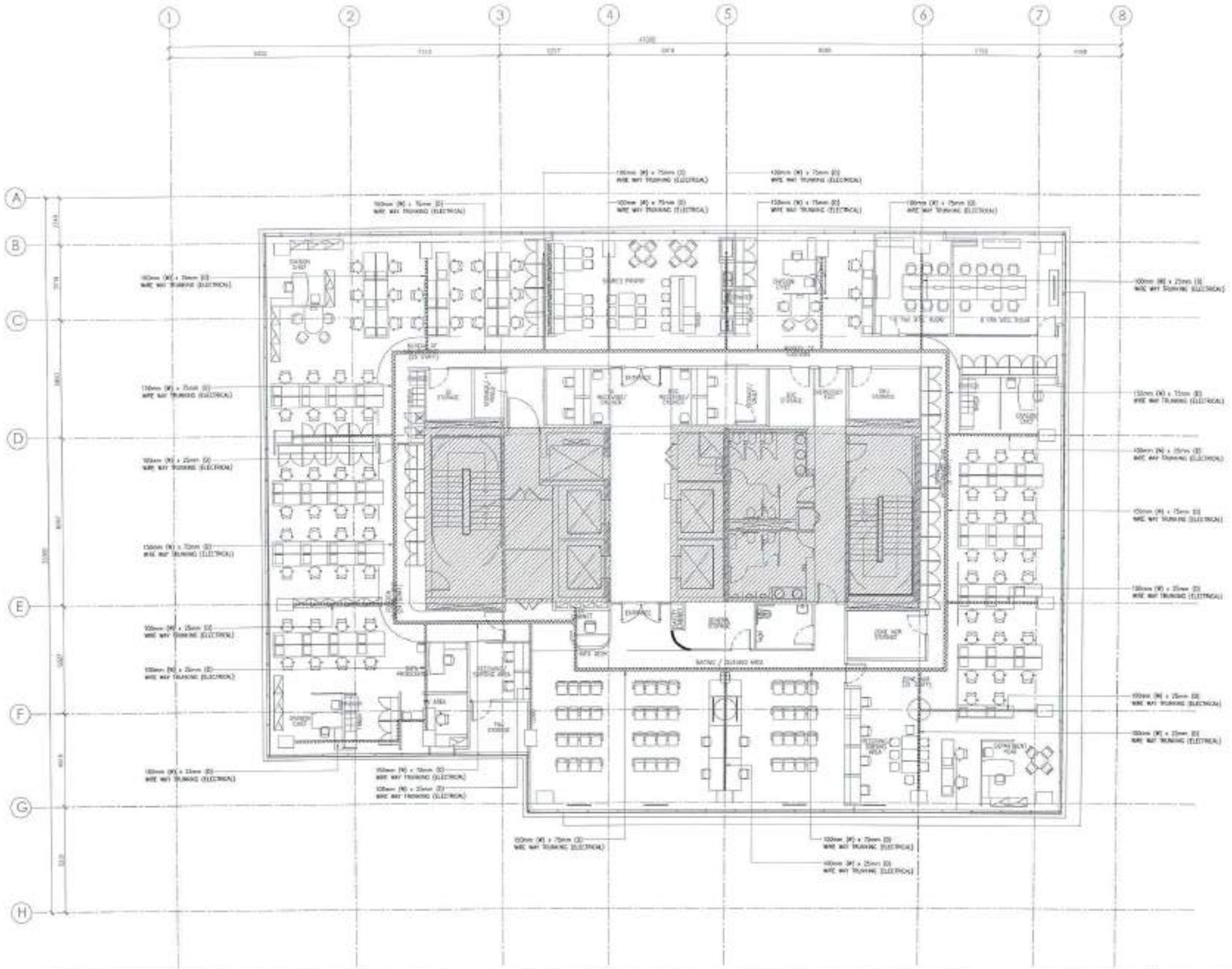
LOCATION: BGC, TAGUIG CITY, METRO MANILA, PHILIPPINES

OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL - PEZA

SHEET CONTENTS
ELECTRICAL SERVICES
12TH FLOOR
POWER LAYOUT

SHEET NO.
E12-08

PROJ NO.: MP2558



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5TH FLOOR CONTAINMENT LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE: PROPOSED PEZA BIC OFFICE FITOUT

LOCATION:

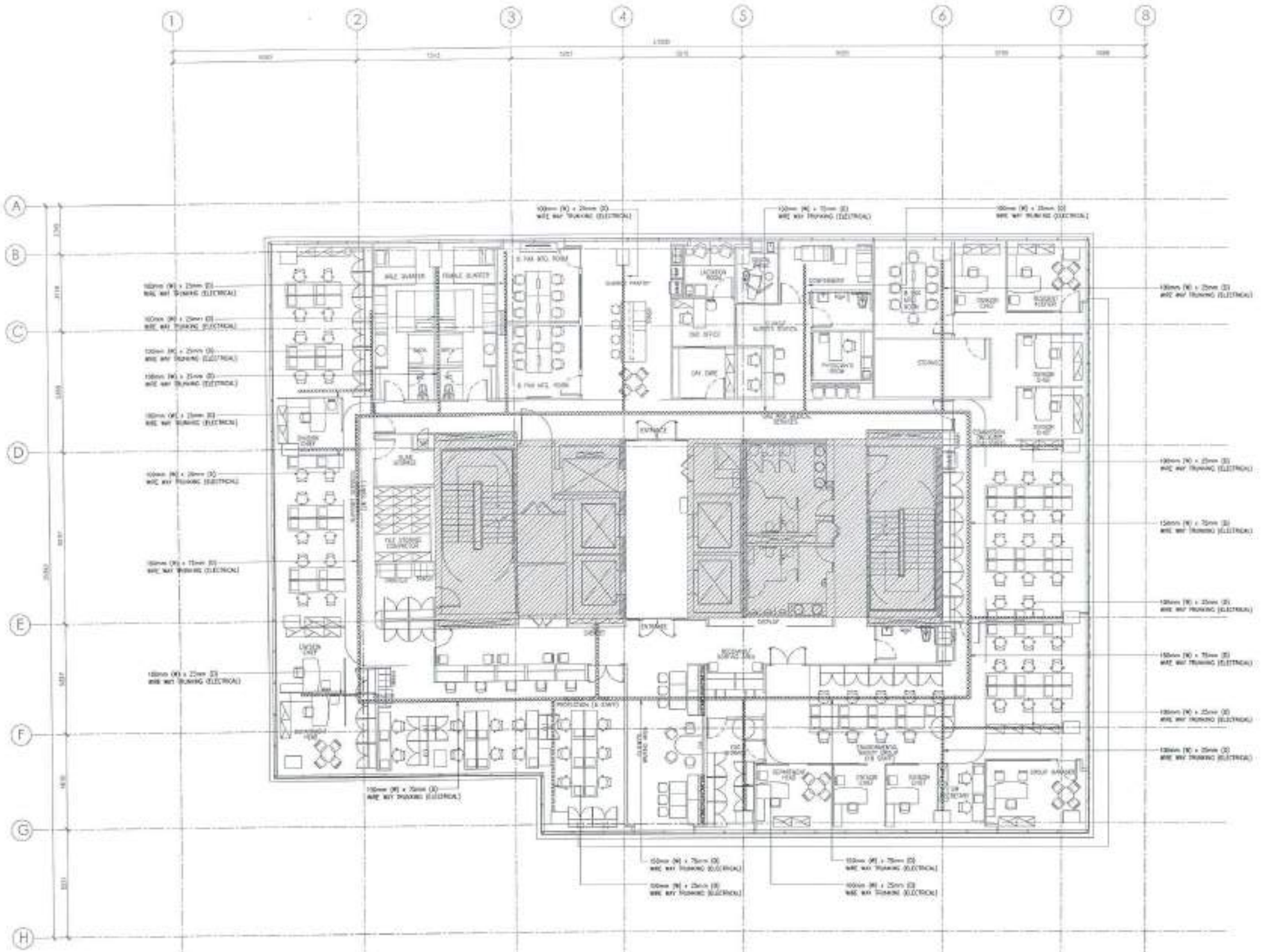
OWNER: PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA

SHEET CONTENTS: ELECTRICAL SERVICES
5TH FLOOR
CONTAINMENT LAYOUT

APPROVED FOR CONSTRUCTION

SHEET NO.: EE3-01

PROJ NO.: MP2058



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6TH FLOOR CONTAINMENT LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

ALEREO D. CONTRERAS JR.
MECHANICAL ELECTRICAL CHAIRMAN

PROJECT TITLE

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: ROXAS BLVD, MANILA CITY, METRO MANILA, PHILIPPINES

OWNER:

PHILIPPINE ECONOMIC ZONE AUTHORITY

TERESITO D. PANGA
DIRECTOR GENERAL (OIC)

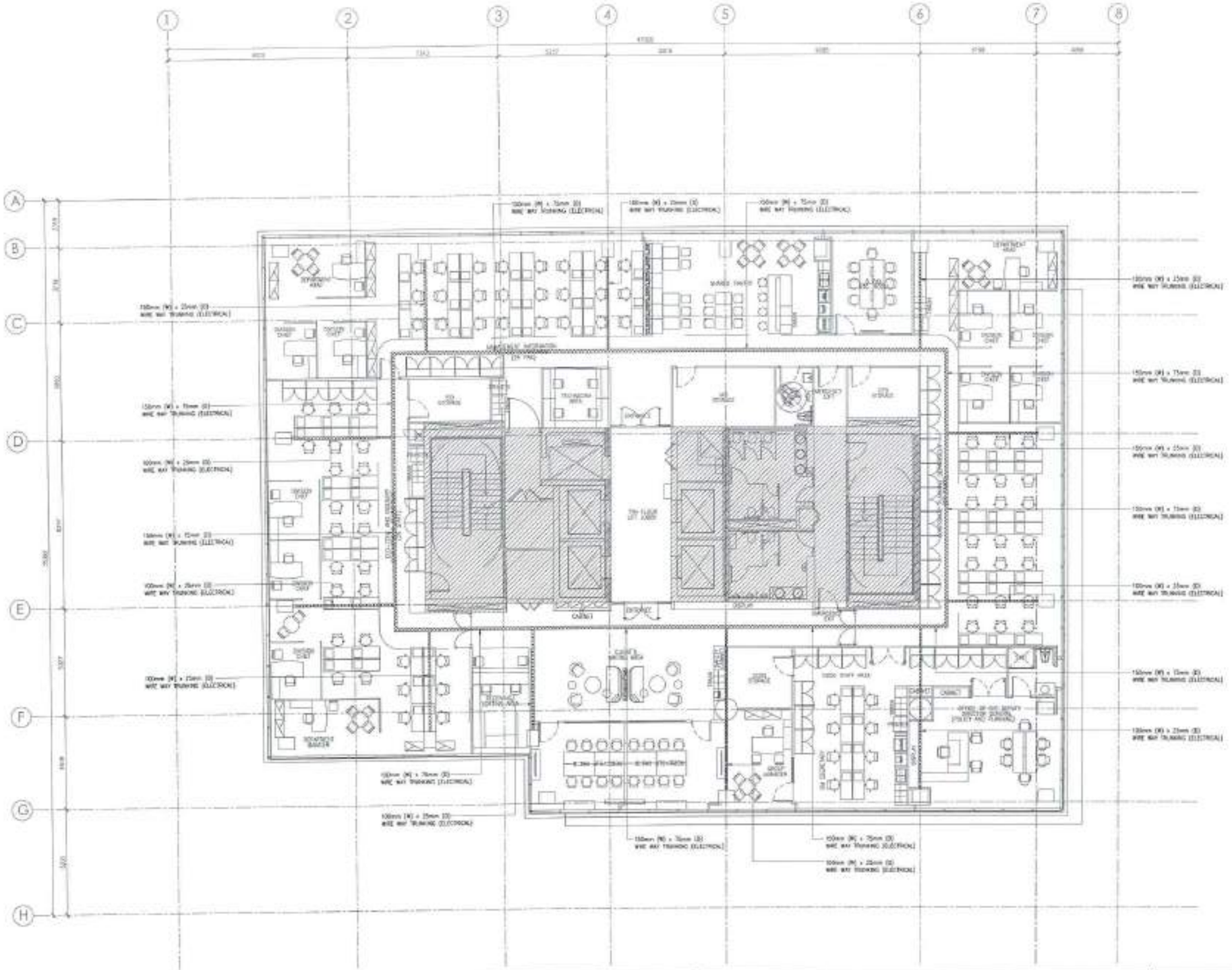
SHEET CONTENTS

ELECTRICAL SERVICES
6TH FLOOR
CONTAINMENT LAYOUT

SHEET NO.

EE3-02

PROJ NO. MP2555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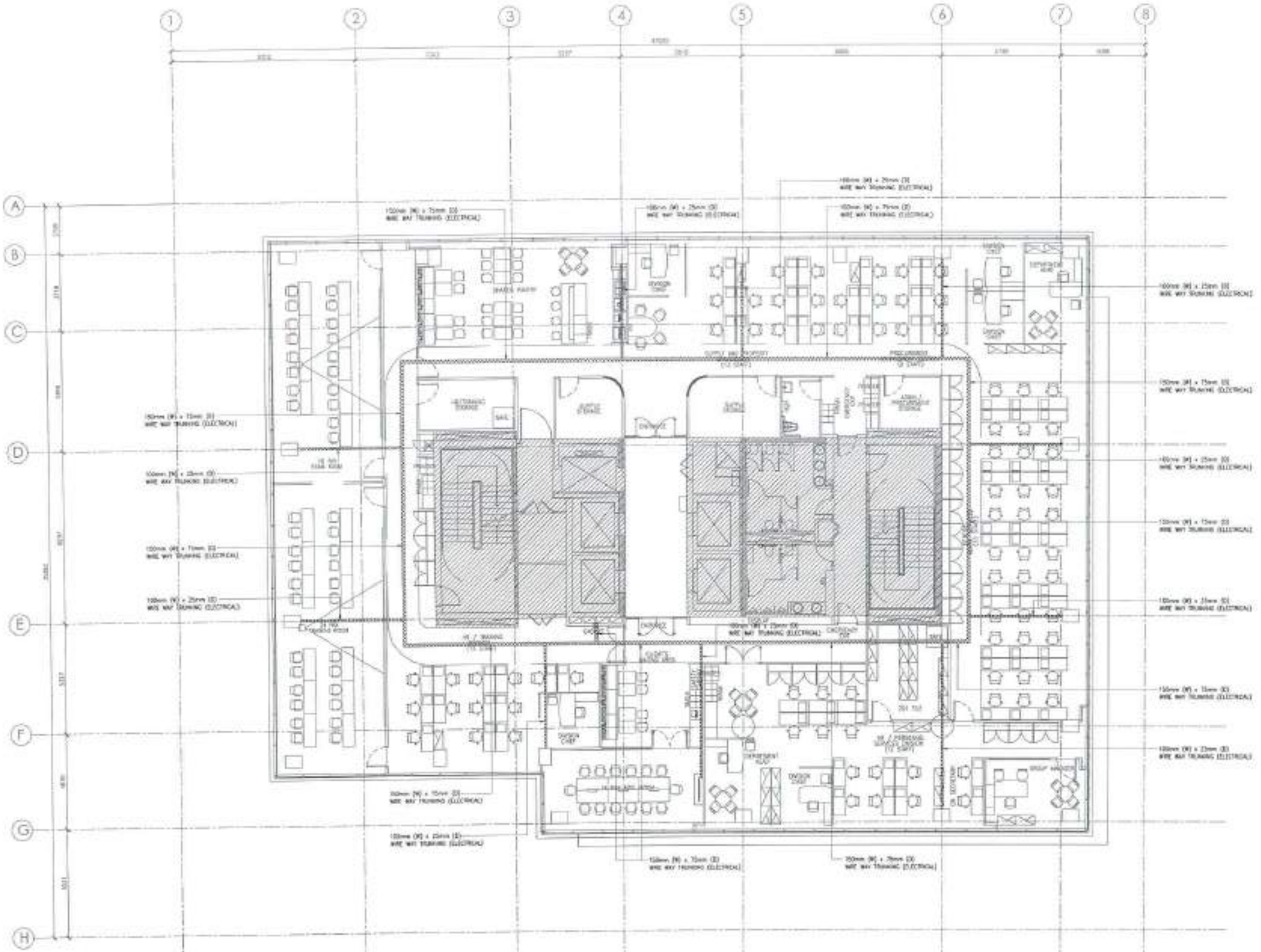
H
WIRE WAY TRUNKING (ELECTRICAL)
WIRE WAY TRUNKING (ELECTRICAL)
WIRE WAY TRUNKING (ELECTRICAL)



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8TH FLOOR CONTAINMENT LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE
PROPOSED PEZA BIC OFFICE FITOUT

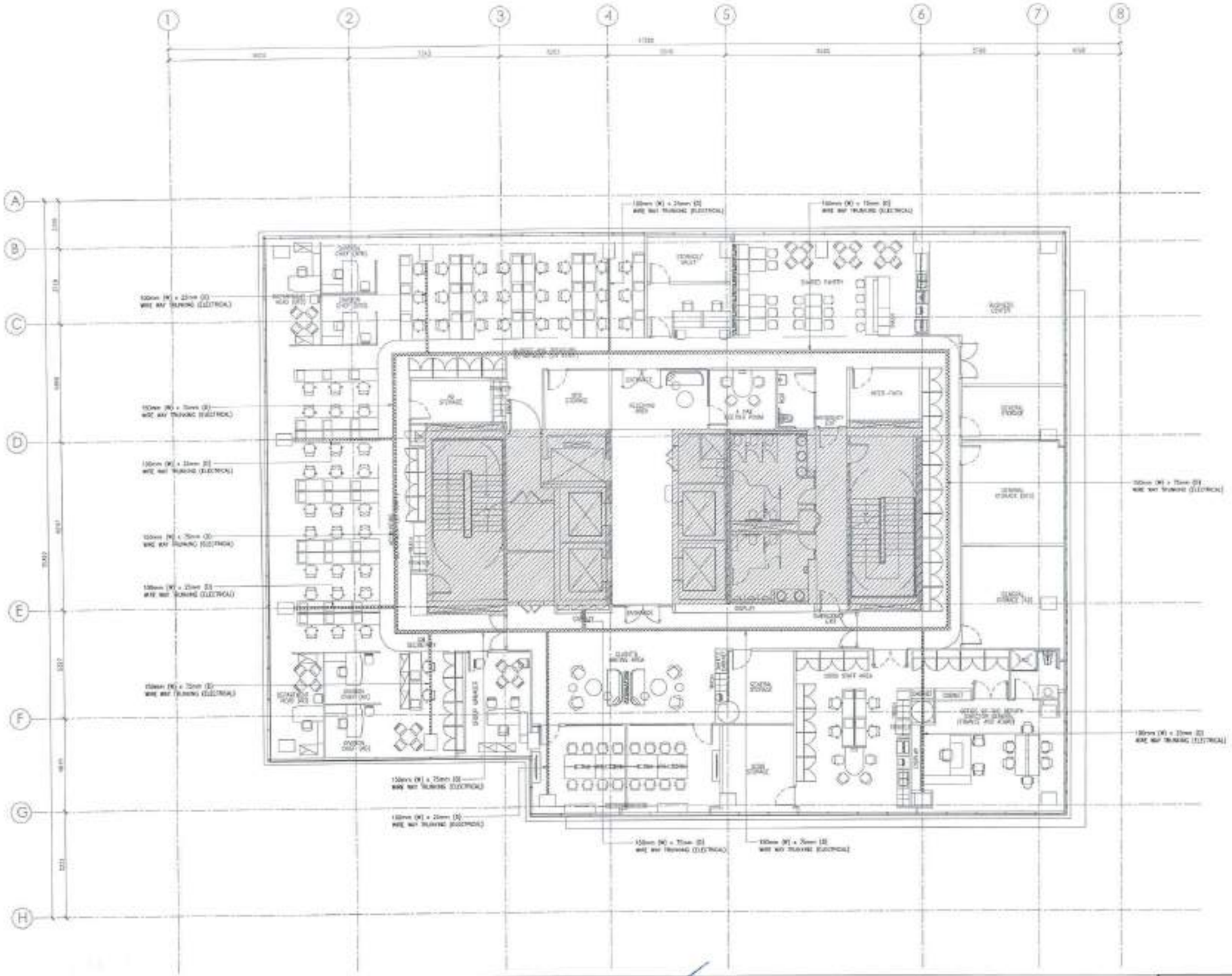
LOCATION:

OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL - PEZA

SHEET CONTENTS
ELECTRICAL SERVICES
8TH FLOOR
CONTAINMENT LAYOUT

SHEET NO.
EES-04

PROJ NO. MP2558



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APPROVED FOR CONSTRUCTION

ArkiNovus

Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE:

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION:

OWNER:

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANGA

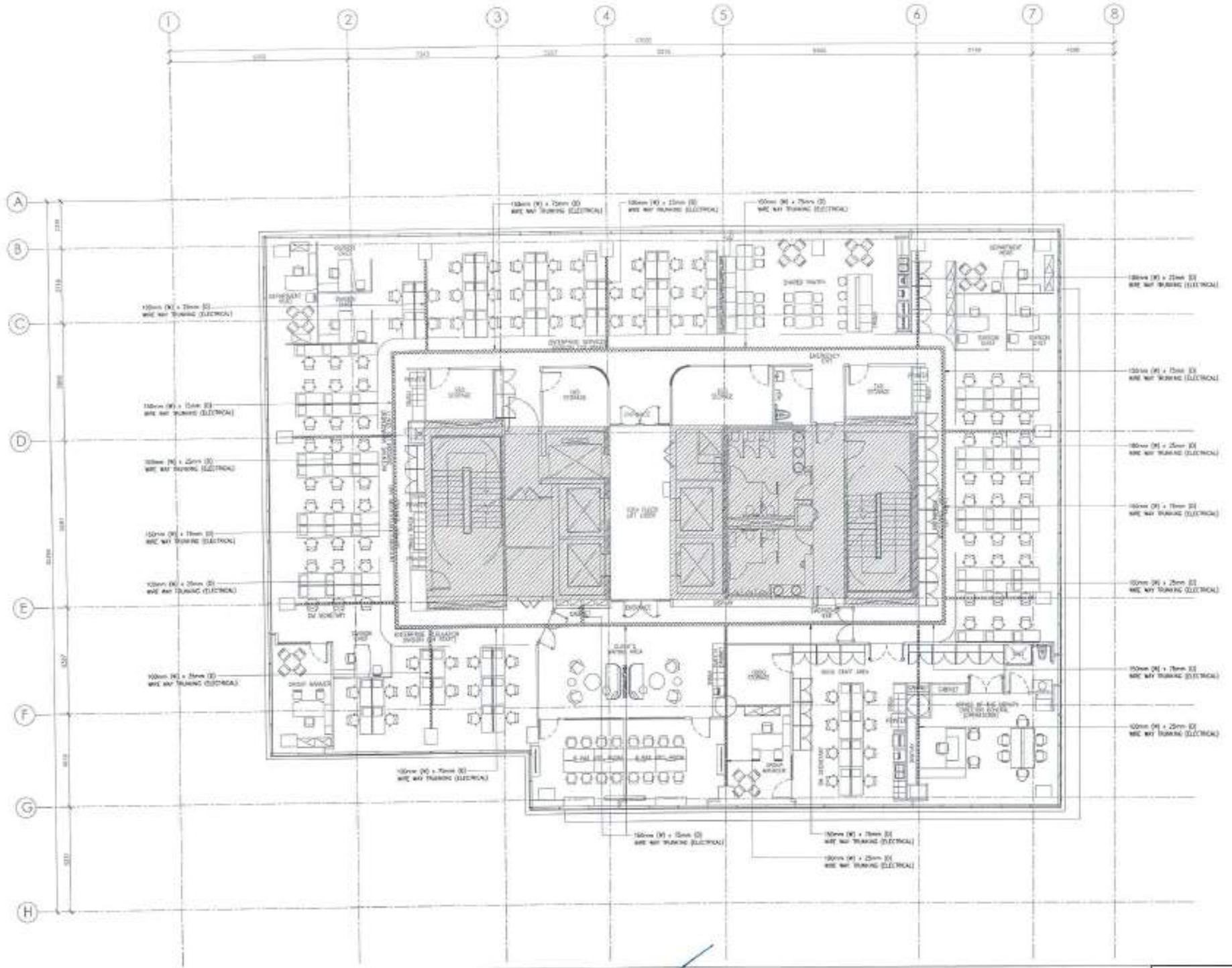
SHEET CONTENTS:

ELECTRICAL SERVICES
9TH FLOOR
CONTAINMENT LAYOUT

SHEET NO.

EE3-05

PROJ NO. MP2558



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10TH FLOOR CONTAINMENT LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE:
PROPOSED PEZA BIC OFFICE FITOUT

LOCATION:

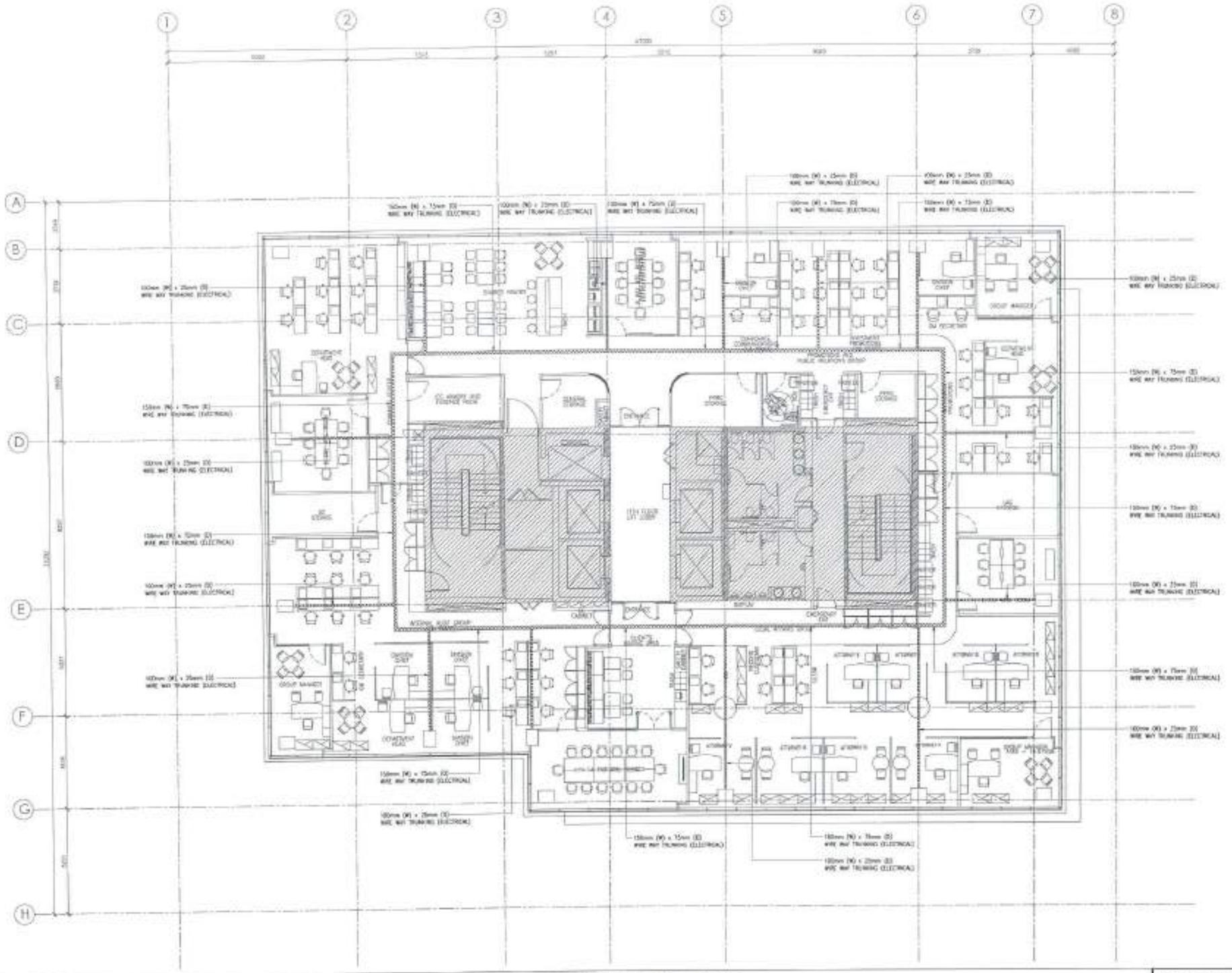
OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL - PEZA

SHEET CONTENTS:
ELECTRICAL SERVICES
10TH FLOOR
CONTAINMENT LAYOUT

APPROVED FOR CONSTRUCTION

SHEET NO.
EE3-09

PROJ NO. MP2526



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11TH FLOOR CONTAINMENT LAYOUT

APPROVED FOR CONSTRUCTION

ArchNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

ALFREDO G. RODRIGUEZ, JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: ROXAS BLVD PASAY CITY, METROMANILA, PHILIPPINES

OWNER:

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANGA
DIRECTOR GENERAL - PEZA

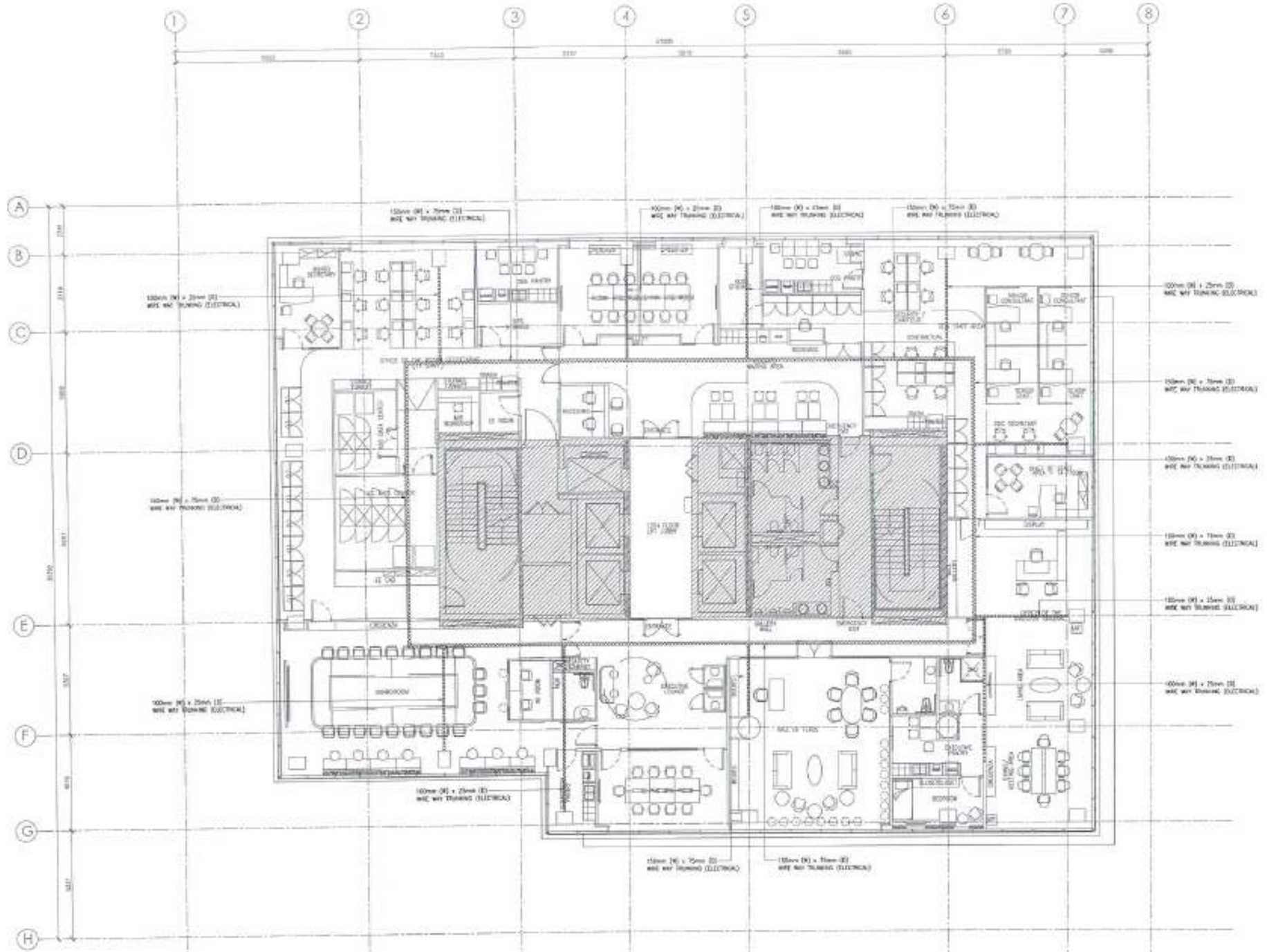
SHEET CONTENTS

ELECTRICAL SERVICES
11TH FLOOR
CONTAINMENT LAYOUT

SHEET NO.

EE3-07

PROJ NO. MP2508



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12TH FLOOR CONTAINMENT LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE: PROPOSED PEZA BIC OFFICE FITOUT

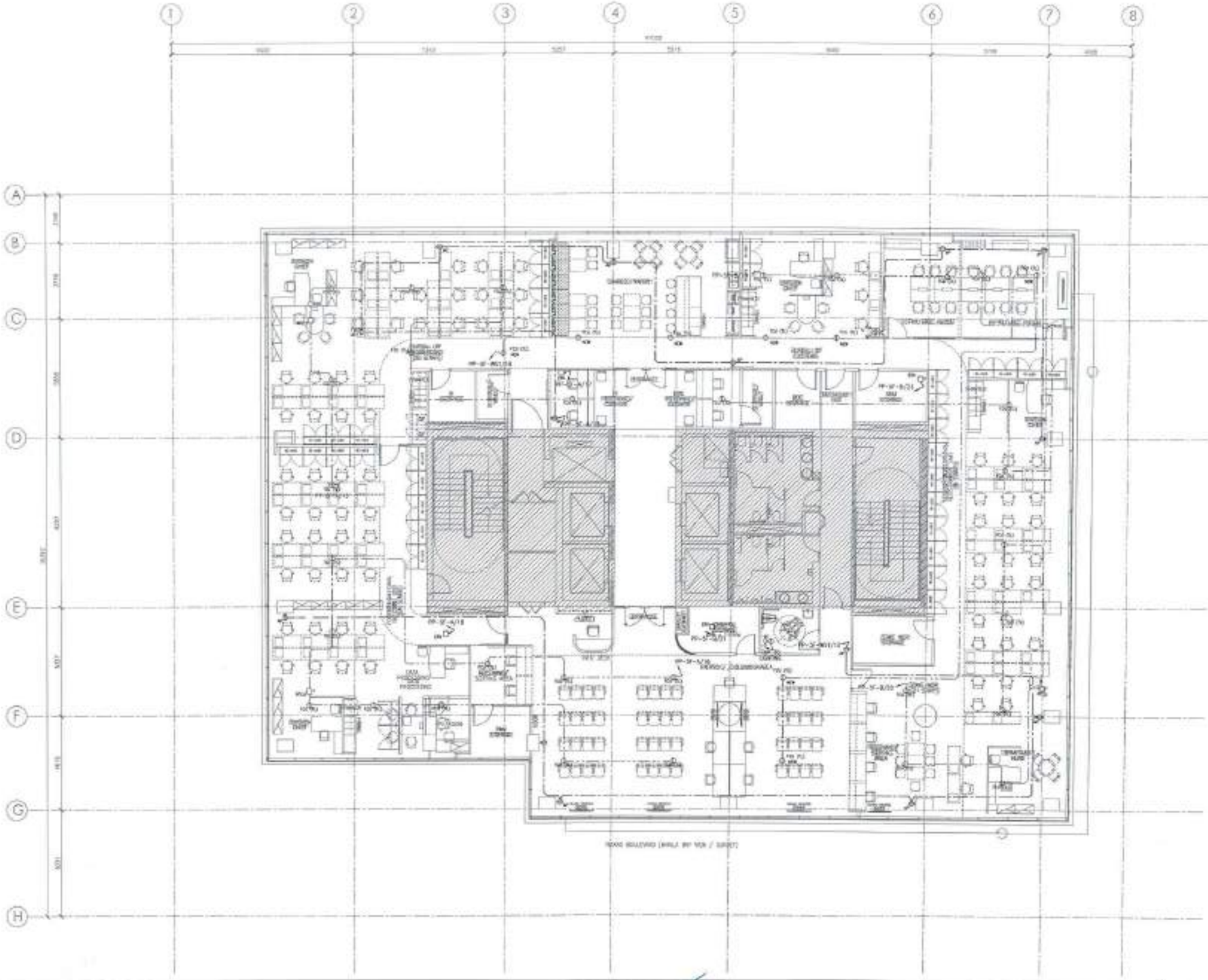
LOCATION:

OWNER: PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL

SHEET CONTENTS: ELECTRICAL SERVICES
12TH FLOOR
CONTAINMENT LAYOUT

SHEET NO. EE3-08

PROJ NO. MP2558



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5TH FLOOR AC POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE
PROPOSED PEZA BIC OFFICE FITOUT

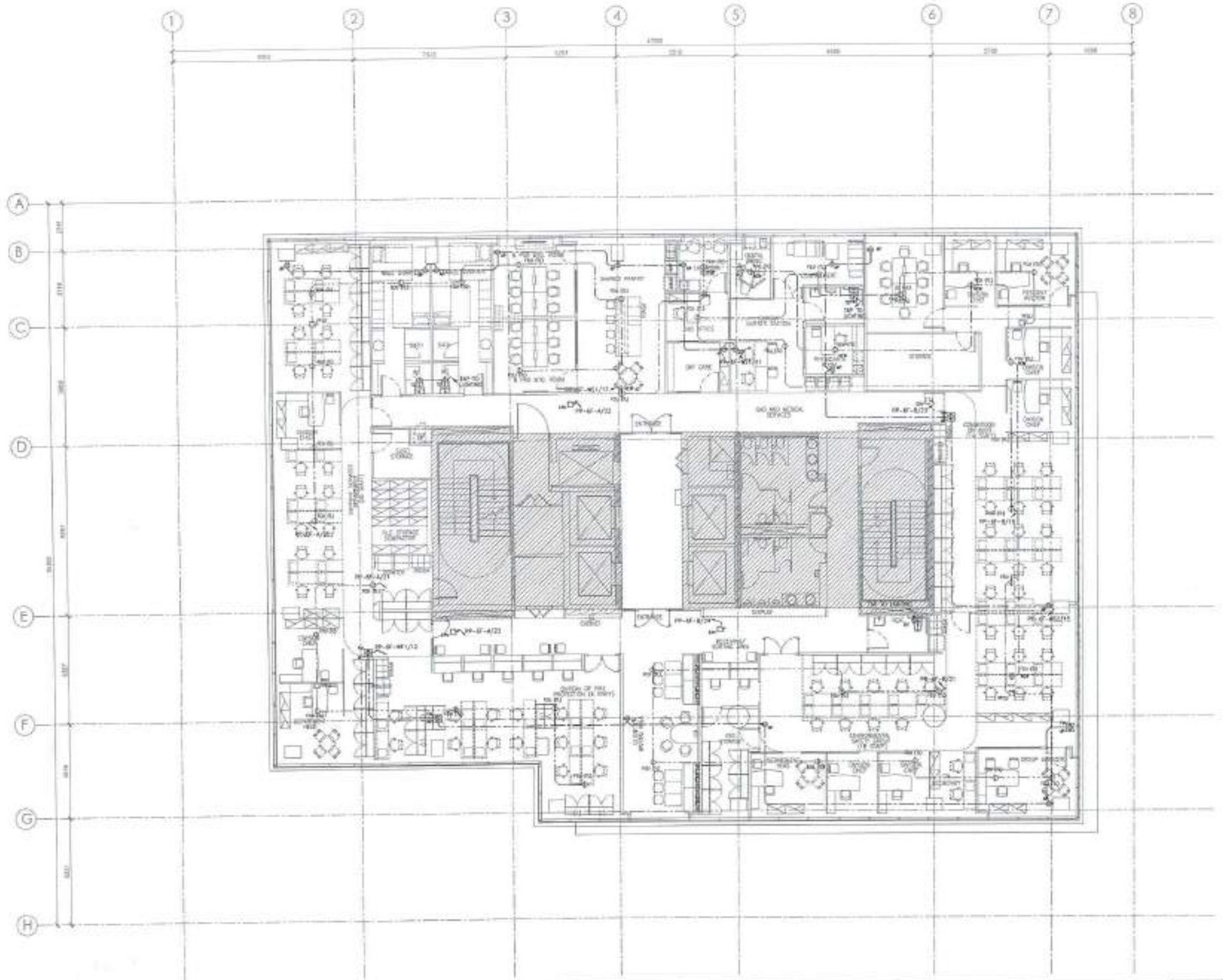
LOCATION

OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TEODISO O. PANGA
DIRECTOR GENERAL

SHEET CONTENTS
ELECTRICAL SERVICES
5TH FLOOR
AC POWER LAYOUT

SHEET NO.
EE4-01

PROJ NO. MP2355



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6TH FLOOR AC POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE: PROPOSED PEZA BIC OFFICE FITOUT

LOCATION:

OWNER: PHILIPPINE ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL - PEZA

SHEET CONTENTS: ELECTRICAL SERVICES
6TH FLOOR
AC POWER LAYOUT

SHEET NO. EE4-02

PROJ NO. MP2598

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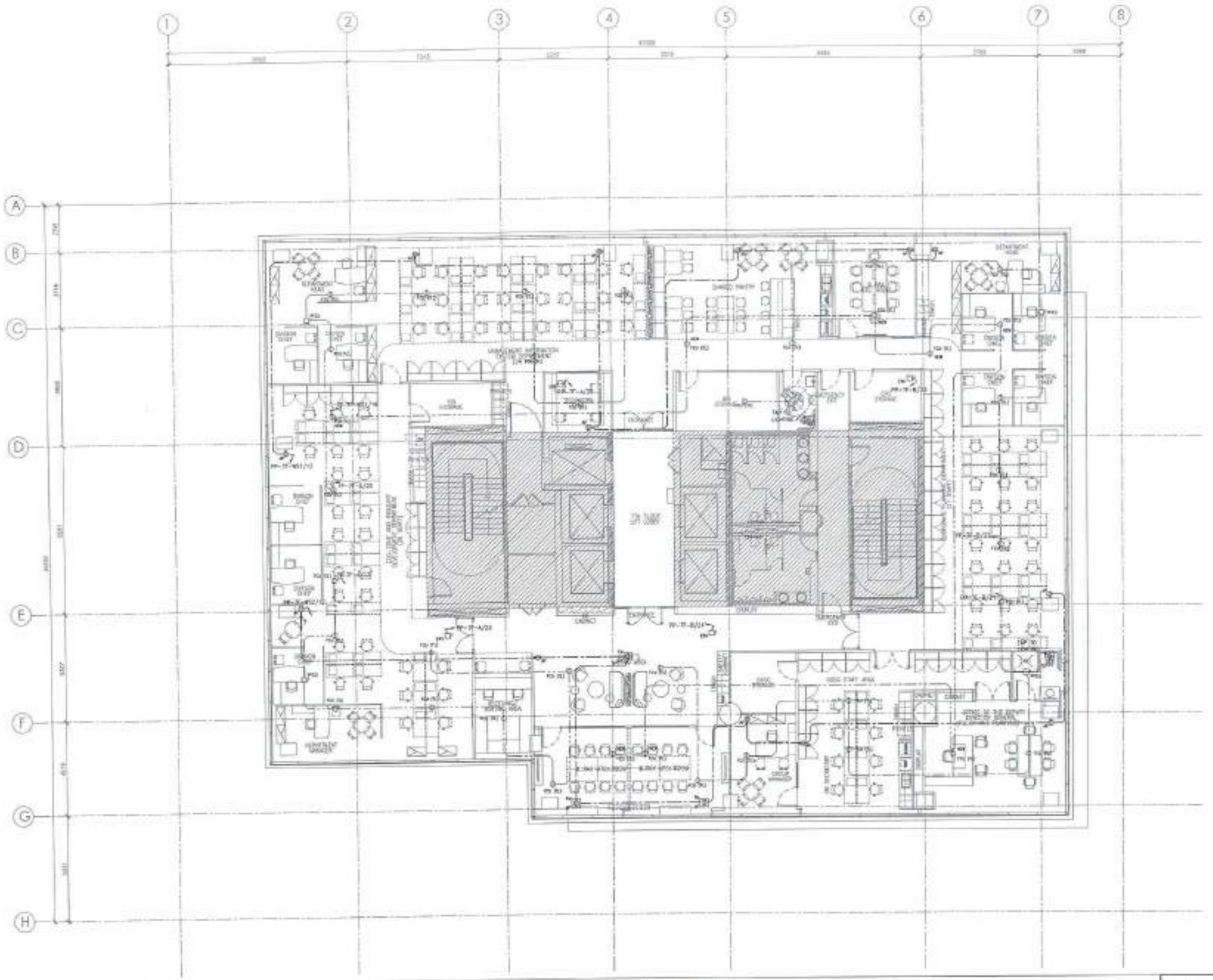

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7TH FLOOR AC POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

ALFREDO G. RODRIGUEZ, JR.
PROFESSIONAL ELECTRICAL ENGINEER

REG. NO.	DATE	DATE	ISSUED
PTR NO.	ISSUED AT	PLACE	VALID UNTIL
JAPOA NO.			

PROJECT TITLE

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: BONIFACIO PARK CITY, METRO MANILA, PHILIPPINES

OWNER :

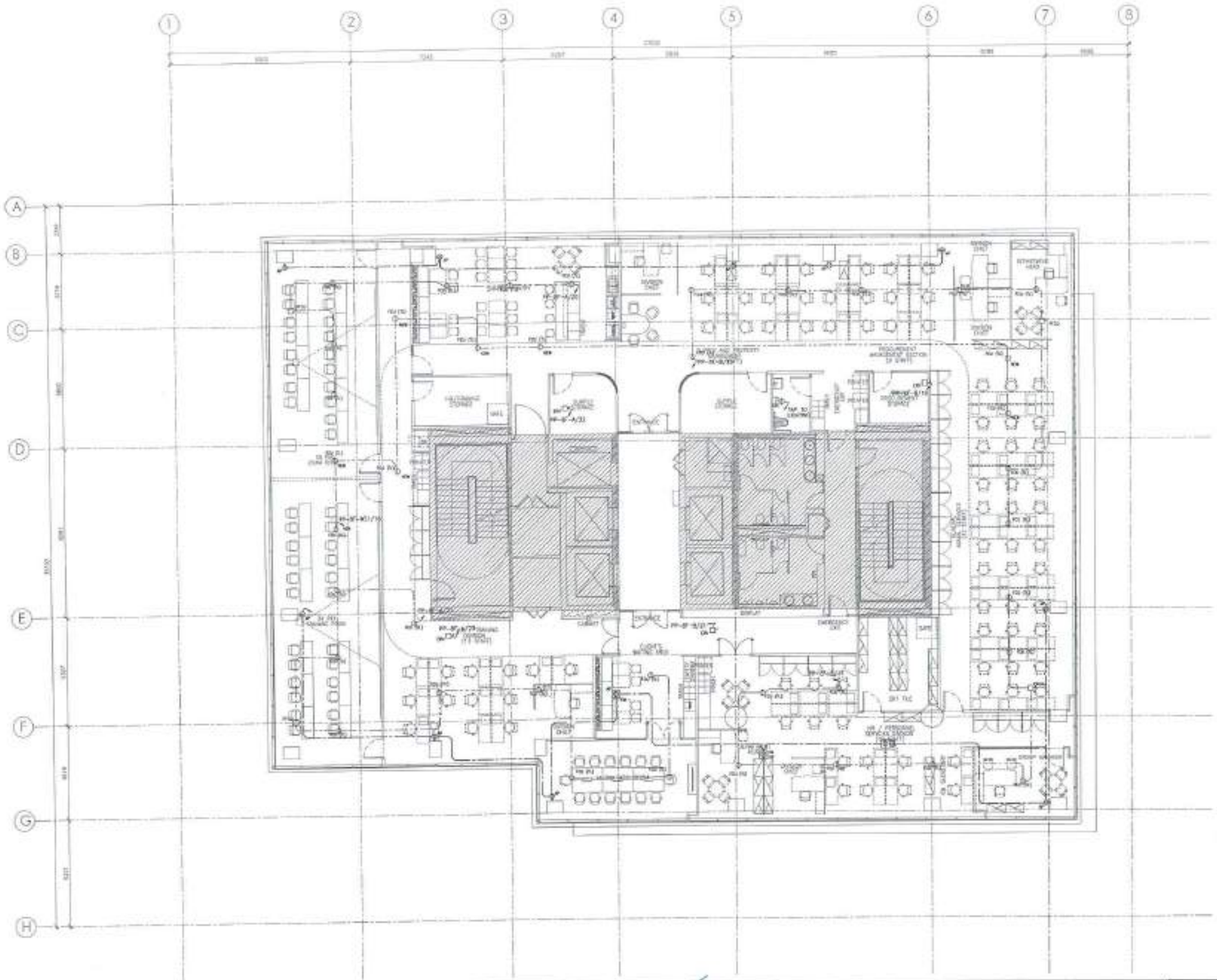
PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANGA
DIRECTOR GENERAL, PEZA

SHEET CONTENTS

ELECTRICAL SERVICES
7TH FLOOR
AC POWER LAYOUT

						SHEET NO.
JAM	NEGRINI	VGR		APPROVED FOR CONSTRUCTION	22/09/21	EE4-03
					DATE	PROJ NO. MP2558



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8TH FLOOR AC POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE: PROPOSED PEZA BIC OFFICE FITOUT

LOCATION:

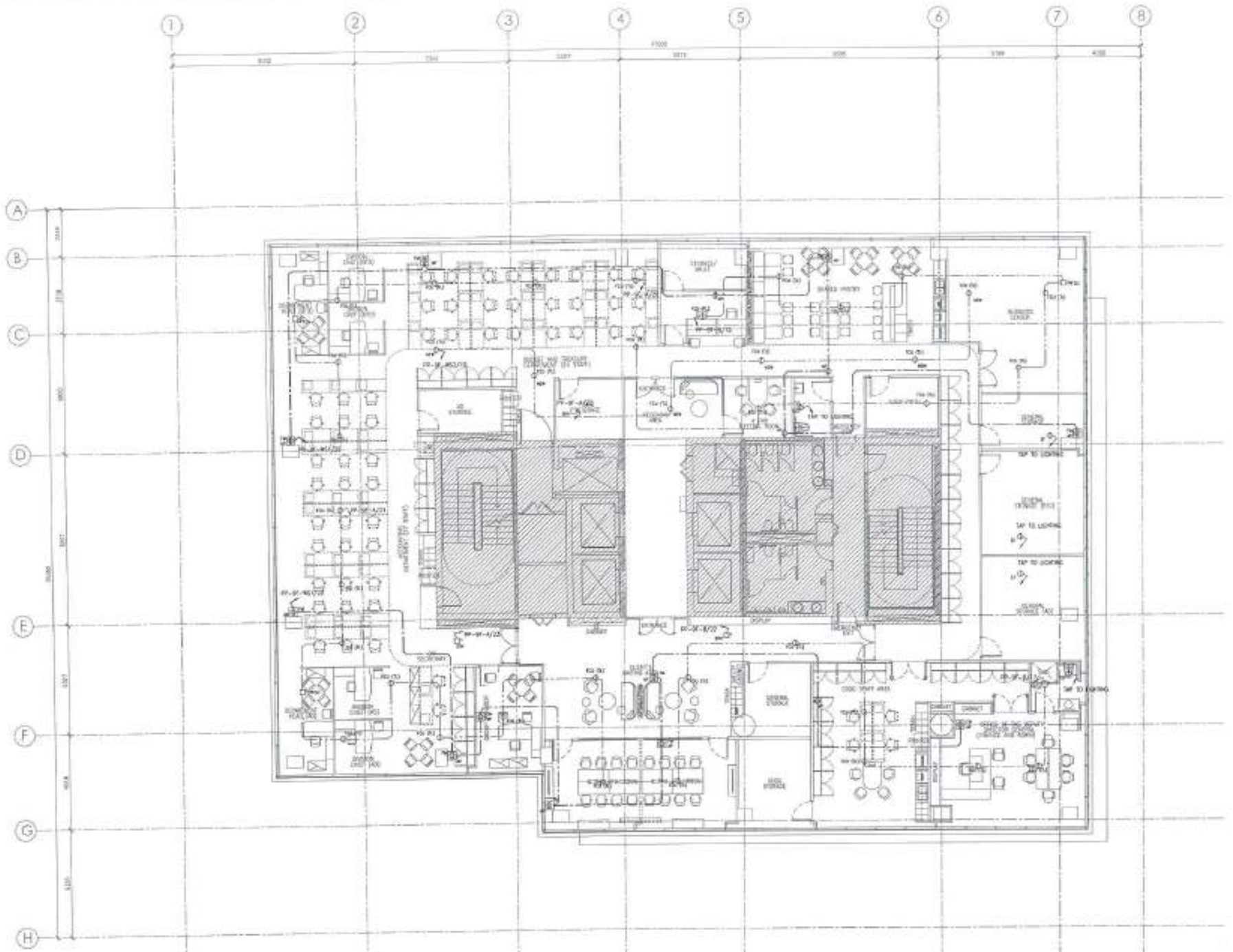
OWNER: PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL

SHEET CONTENTS: ELECTRICAL SERVICES
8TH FLOOR
AC POWER LAYOUT

APPROVED FOR CONSTRUCTION

SHEET NO.: EE4-04

PROJ NO.: MP2568



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9TH FLOOR AC POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE: PROPOSED PEZA BIC OFFICE FITOUT

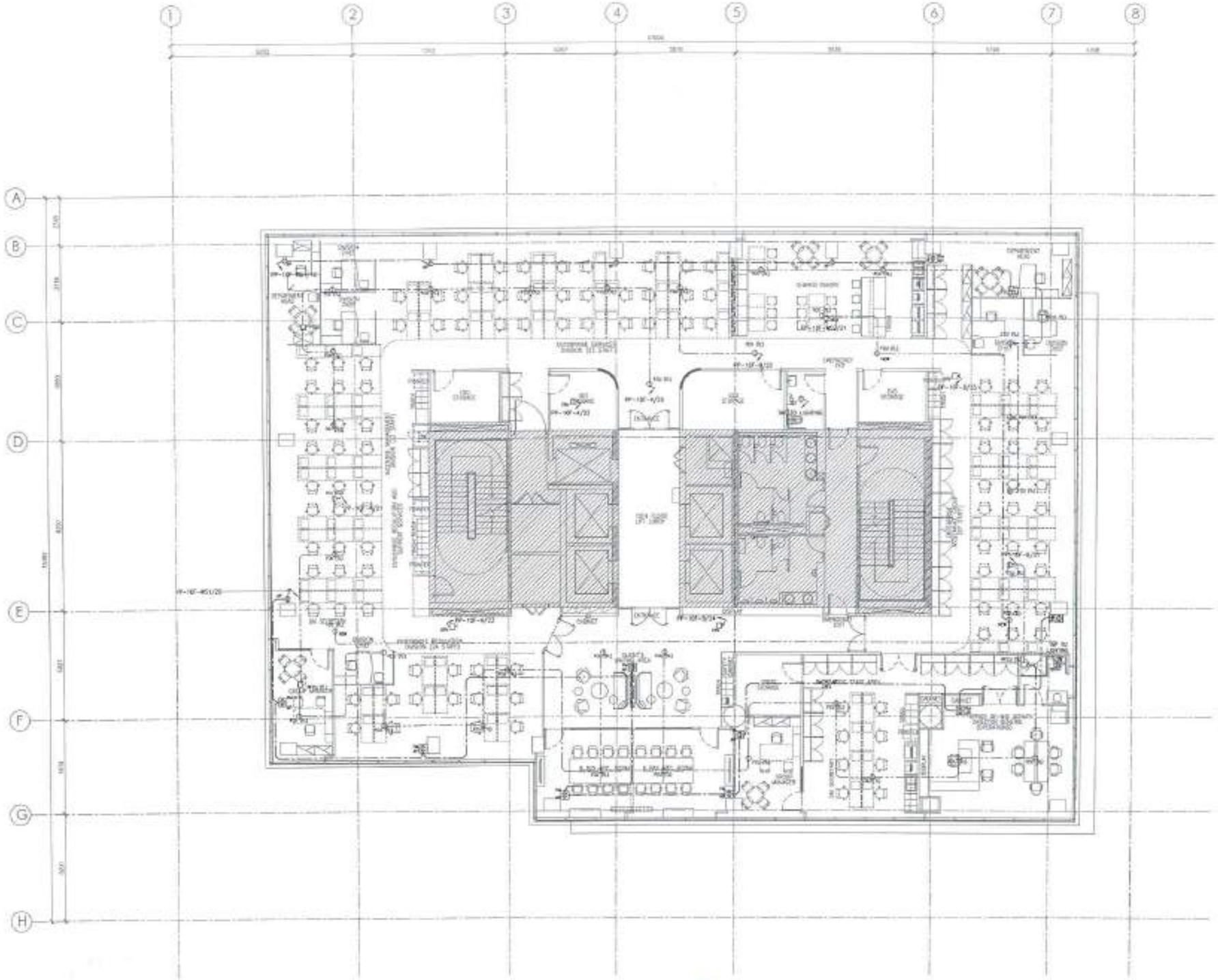
LOCATION: BONI SUBURBAN CITY, METRO MANILA, PHILIPPINES

OWNER: PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL/CEO

SHEET CONTENTS: ELECTRICAL SERVICES
9TH FLOOR
AC POWER LAYOUT

SHEET NO.: E64-05

PROJ NO.: MP2558



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10TH FLOOR AC POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

ALFREDO B. BENGUET, JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE:
PROPOSED PEZA BIC OFFICE FITOUT

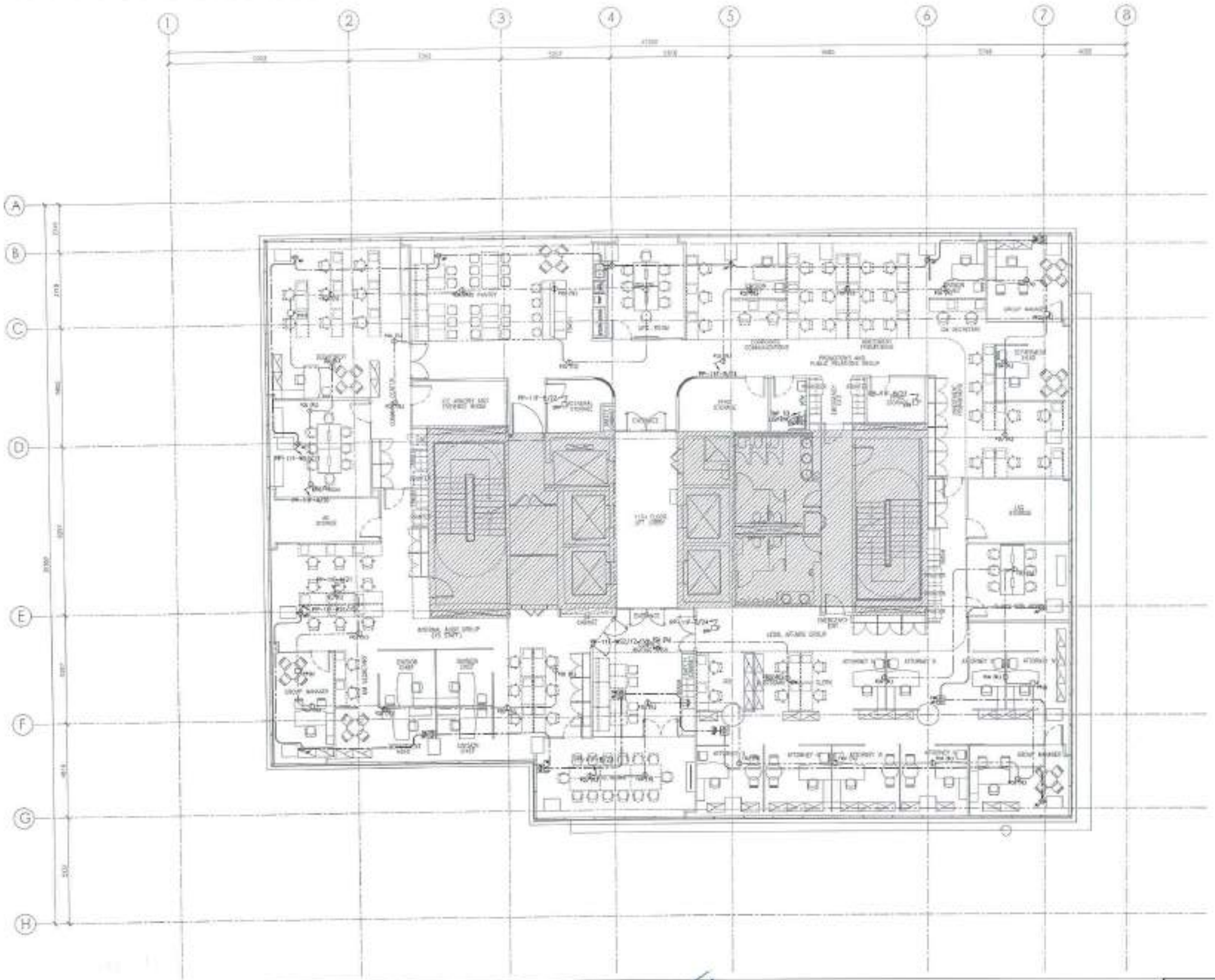
LOCATION: ROAD BLVD, ROXY CITY, METRO MANILA, PHILIPPINES

OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TEREBO O. PANGA
DIRECTOR GENERAL

SHEET CONTENTS:
ELECTRICAL SERVICES
10TH FLOOR
AC POWER LAYOUT

SHEET NO.
EE4-06

PROJ NO. MP2958



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11TH FLOOR AC POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT Philippines, Inc.

ENGINEER:

PROJECT TITLE: PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: BONIFACIO GLOBAL CITY, TAGUIG CITY, METRO MANILA, PHILIPPINES

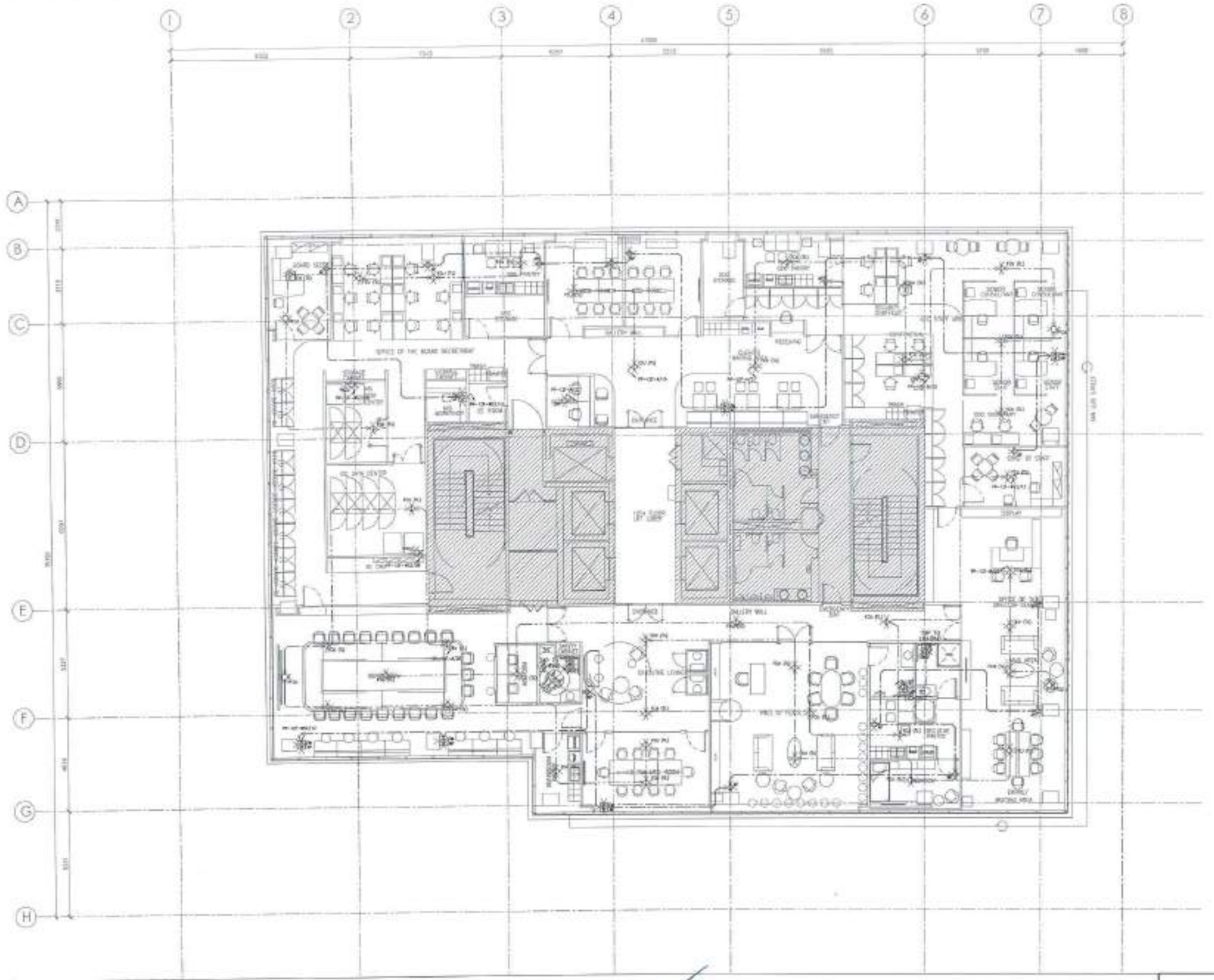
OWNER: PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANGA
DIRECTOR GENERAL

SHEET CONTENTS: ELECTRICAL SERVICES
11TH FLOOR
AC POWER LAYOUT

SHEET NO.: EE4-07

FPCU NO.: MP2558



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12TH FLOOR AC POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArkiNovus

METHARDT
Meinhardt Philippines, Inc.

ENGINEER:
ALFREDO D. RODRIGUEZ JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE:
PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: ROXAS BLVD, PUNA CITY, METRO MANILA, PHILIPPINES

OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL / CEO

SHEET CONTENTS:
ELECTRICAL SERVICES
12TH FLOOR
AC POWER LAYOUT

SHEET NO.
EE4-08

PROJ NO. MP2502

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ROOF DECK AC POWER LAYOUT

APPROVED FOR CONSTRUCTION

ArchNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE:
PROPOSED PEZA BIC OFFICE FITOUT

LOCATION:

OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL - PEZA

SHEET CONTENTS:
ELECTRICAL SERVICES
ROOF DECK
AC POWER LAYOUT

SHEET NO.
EE4-09

PROJ NO. MP2555

NOTE
ALL FEEDER DESIGNATED PANELS INCLUDING THE UPS PANELS SHALL HAVE A DIGITAL POWER METER IN COMPLIANCE TO LOAD MEASUREMENT AND STANDARD.

1
EES-02

ELECTRICAL SYSTEM SCHEMATIC DIAGRAM (PART 1 OF 2)

APPROVED FOR CONSTRUCTION

ArkNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE
PROPOSED PEZA BIC OFFICE FITOUT

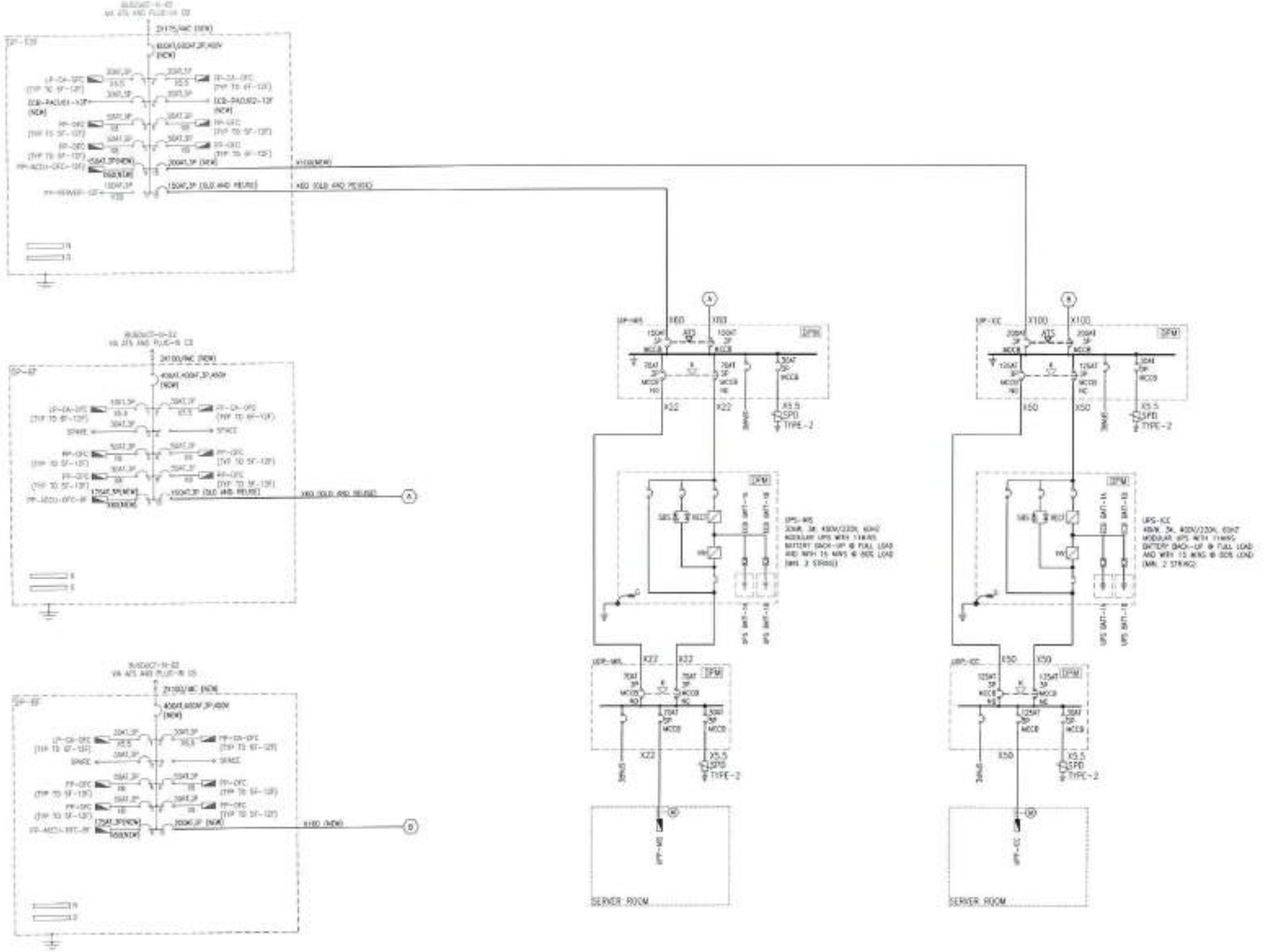
LOCATION: BGC, TAGUIG CITY, METROMANILA, PHILIPPINES

OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESITO D. PANGA
DIRECTOR III, OSDL - PEZA

SHEET CONTENTS
ELECTRICAL SERVICES
ELECTRICAL SYSTEM SCHEMATIC DIAGRAM
(PART 1 OF 2)

SHEET NO.
EES-01

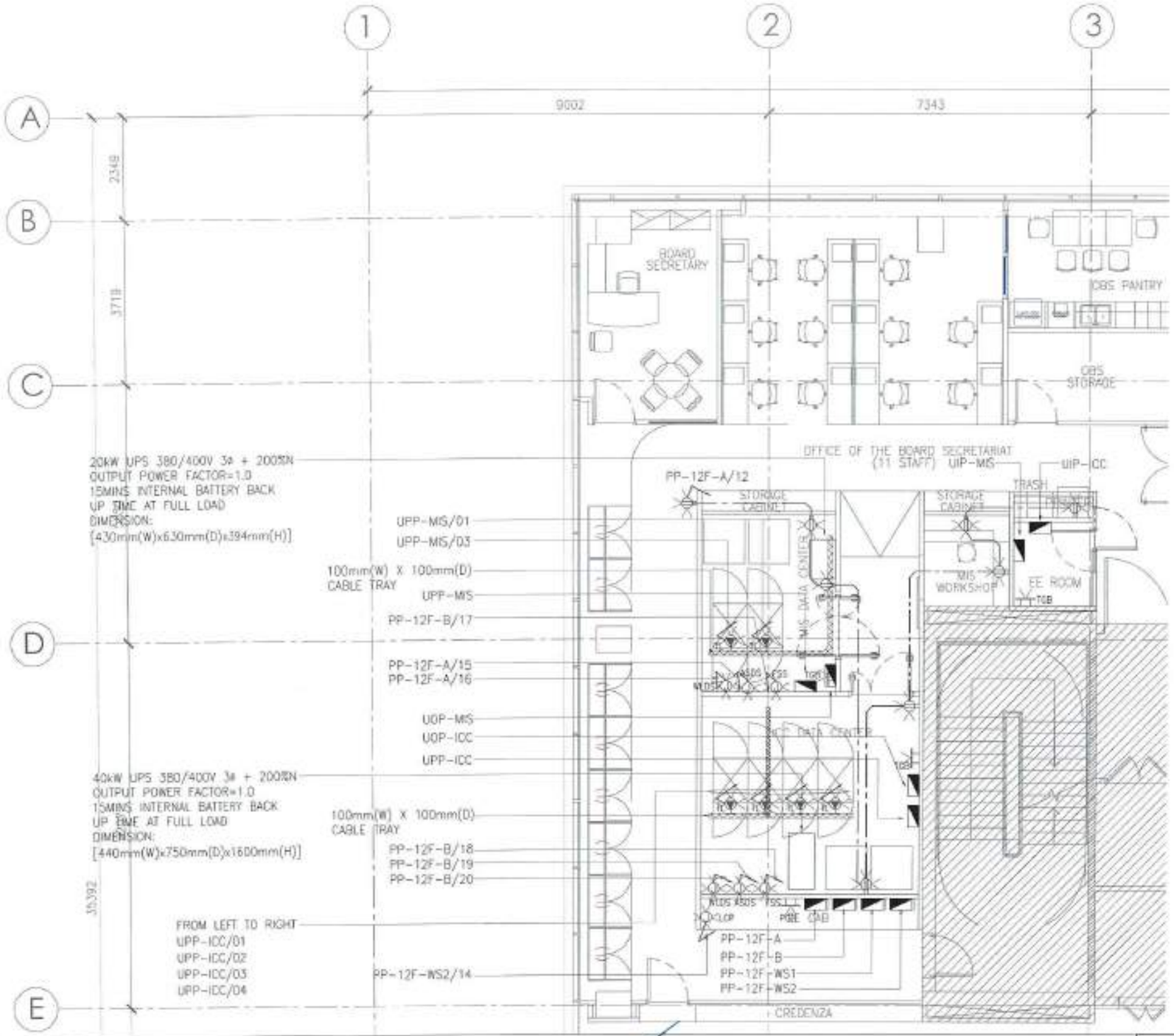
PROJ NO. MP2558



ELECTRICAL SYSTEM SCHEMATIC DIAGRAM (PART 2 OF 2)

APPROVED FOR CONSTRUCTION

ENGINEER: ALFREDO D. BOOKMAN JR. (ELECTRICAL ENGINEER)	PROJECT TITLE: PROPOSED PEZA BIC OFFICE FITOUT	OWNER: PHILIPPINES ECONOMIC ZONE AUTHORITY — TERESITO O. PANGA, DIRECTOR GENERAL	SHEET CONTENTS: ELECTRICAL SERVICES — ELECTRICAL SYSTEM SCHEMATIC DIAGRAM (PART 2 OF 2)	SHEET NO.: EES-02
	LOCATION: ROXAS BLVD, PASAY CITY, METRO MANILA, PHILIPPINES			PROJ NO.: MP2556



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12TH FLOOR UPS ROOM BLOWN UP PLAN

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE
PROPOSED PEZA BIC OFFICE FITOUT

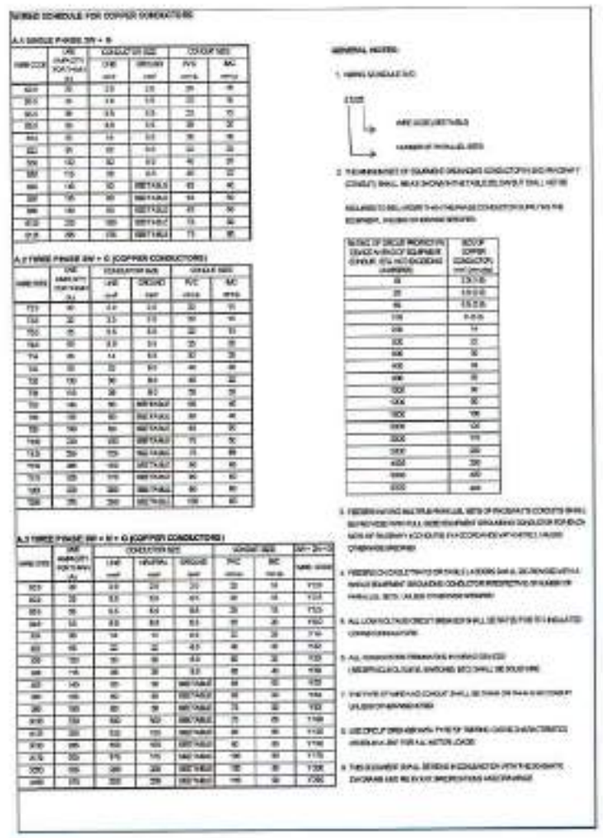
LOCATION

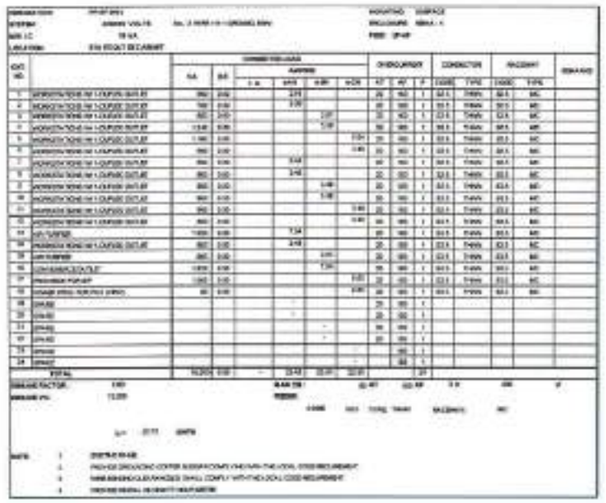
OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANOA
DIRECTOR GENERAL

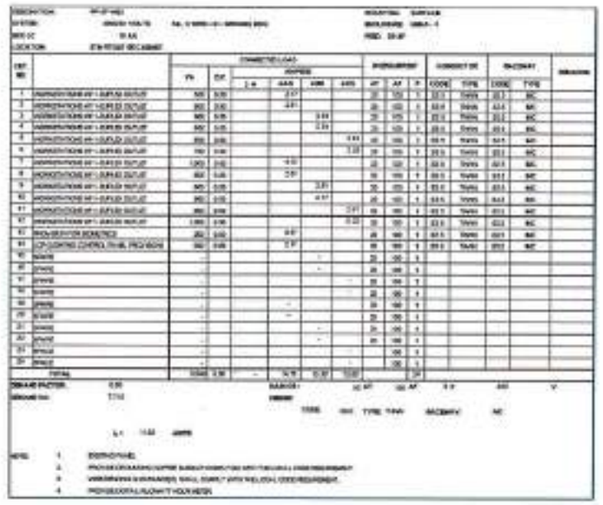
SHEET CONTENTS
ELECTRICAL SERVICES
12TH FLOOR
UPS BLOWN UP PLAN

SHEET NO.
EE6-01

PROJ/MD. MP2516







APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:
ALFREDO N. RODRIGUEZ JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE
PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: BONIFACIO HIGH CITY, METRO MANILA, PHILIPPINES

OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO R. PANGA
DIRECTOR GENERAL - PEZA

SHEET CONTENTS
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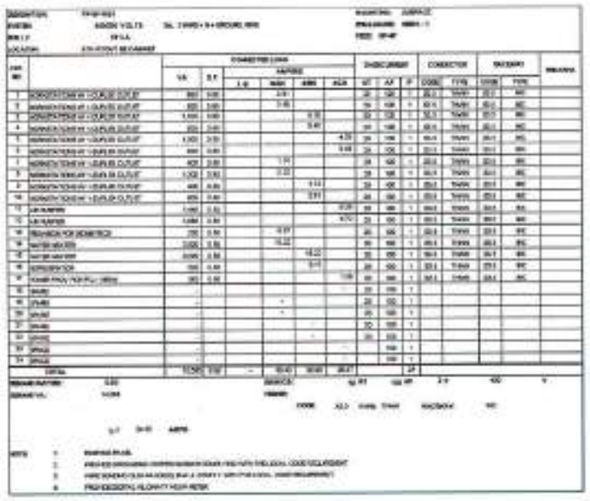
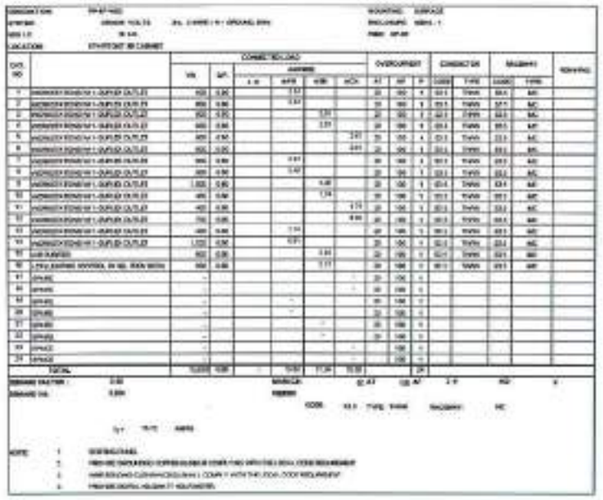
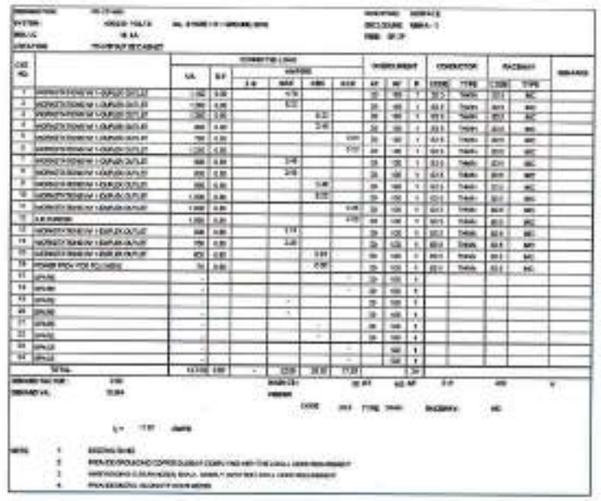
(PART 1 OF 7)

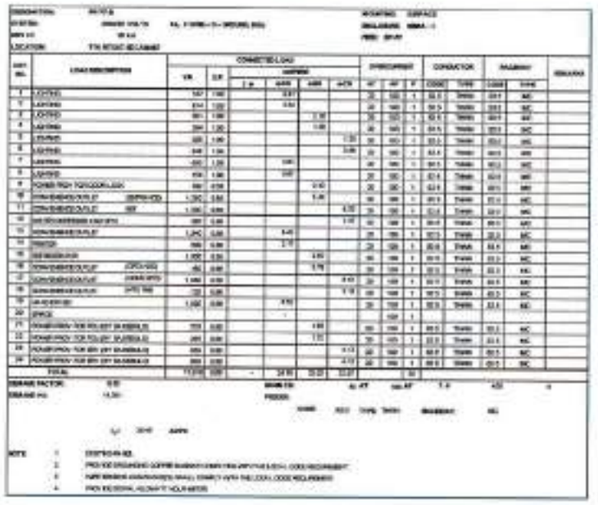
SHEET NO.
EE7-01

PROJ NO. MP25581









APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

PROJECT TITLE
PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: ROAN BLVD, ROAN CITY, METRO MANILA, PHILIPPINES

OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL / CEO

SHEET CONTENTS
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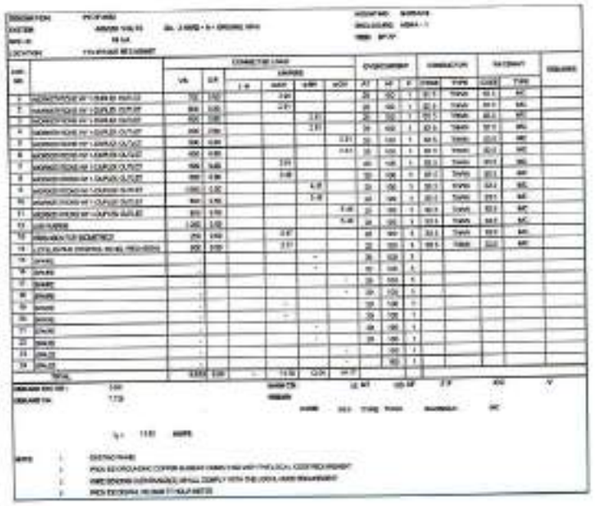
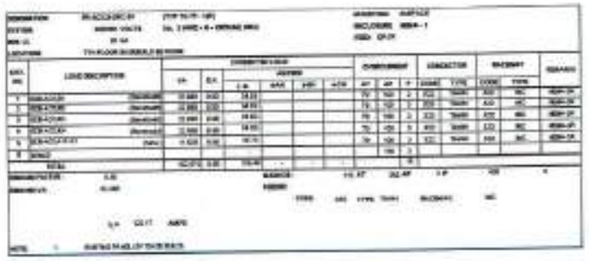
(PART 2 OF 7)

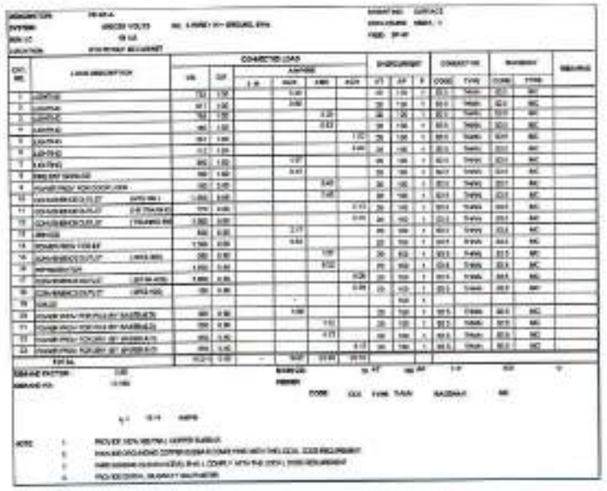
JAM	VICPAN	AJR		APPROVED FOR CONSTRUCTION	DATE

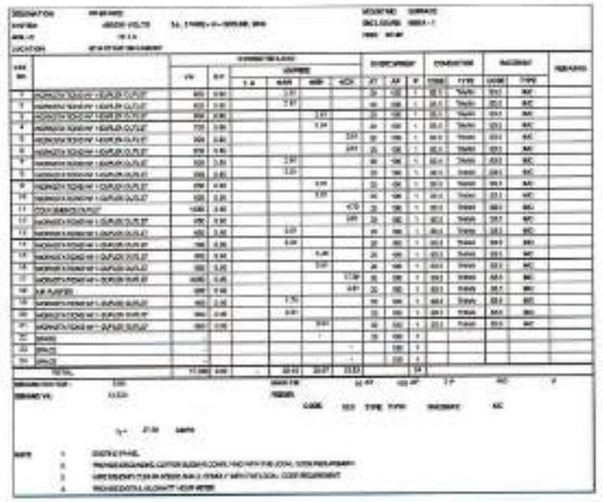
SHEET NO.
EET-02

PROJ NO. MP2558









APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:

ALFREDO G. RODRIGUEZ JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION:

OWNER:

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESO O. PANGA
DIRECTOR GENERAL - PEZA

SHEET CONTENTS

ELECTRICAL SERVICES
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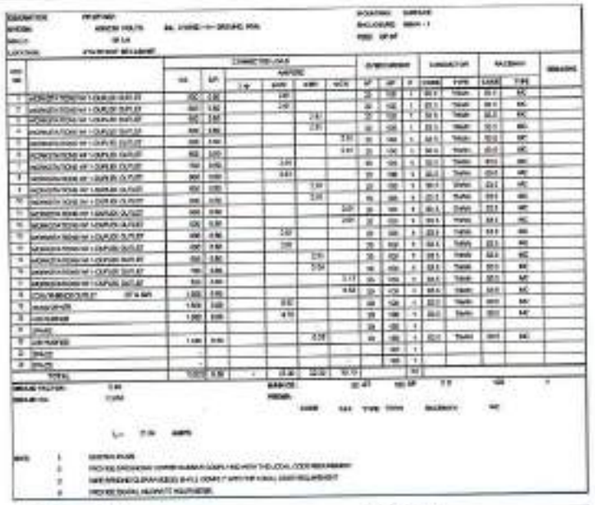
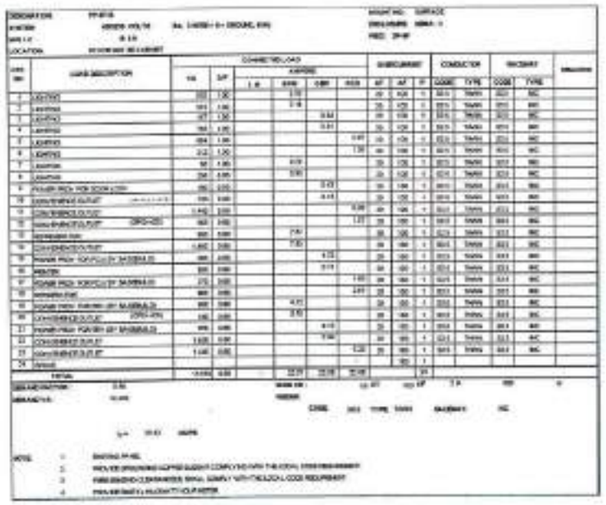
(PART 3 OF 7)

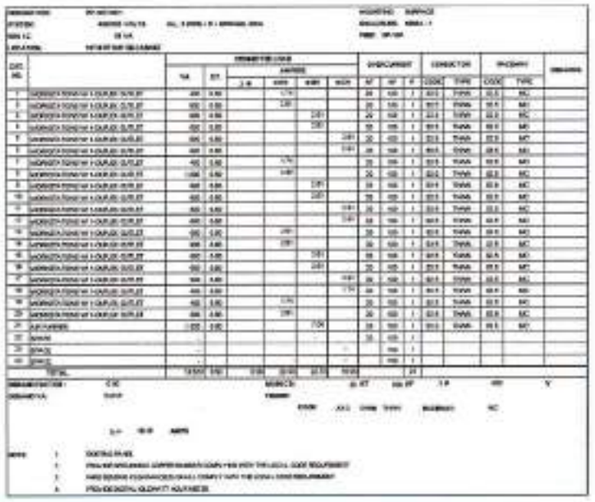
SHEET NO.

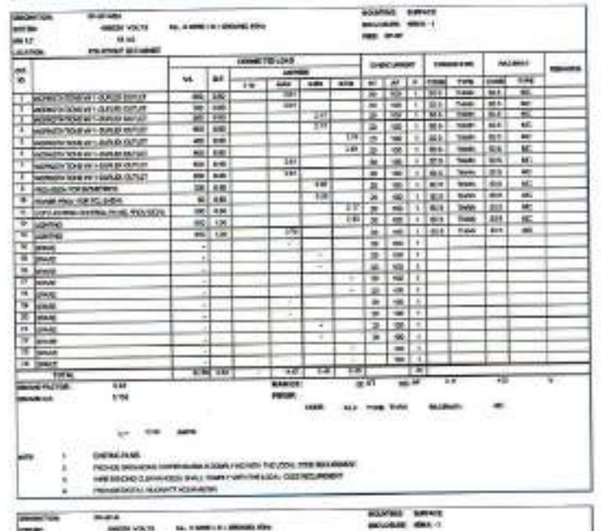
EET-03

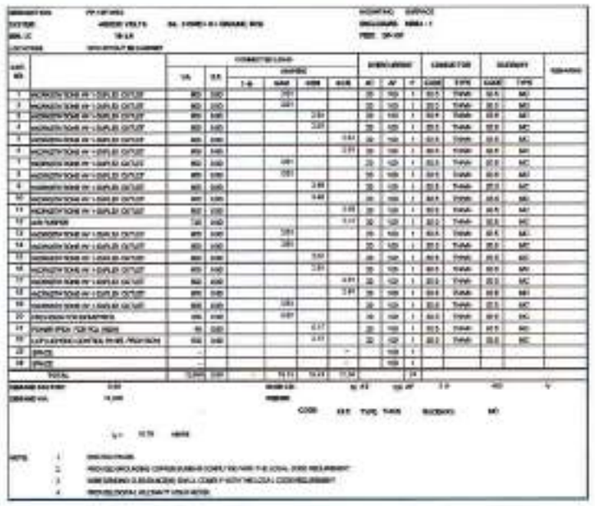
PROJ NO. MP2568











APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER

PROJECT TITLE
PROPOSED PEZA BIC OFFICE FITOUT

LOCATION

OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY

SHEET CONTENTS
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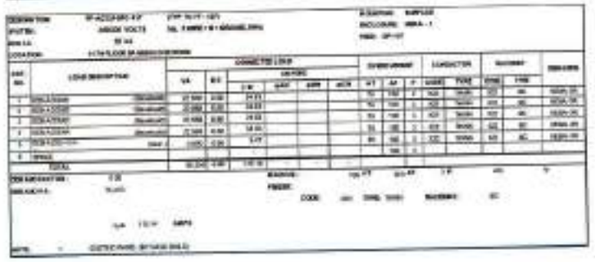
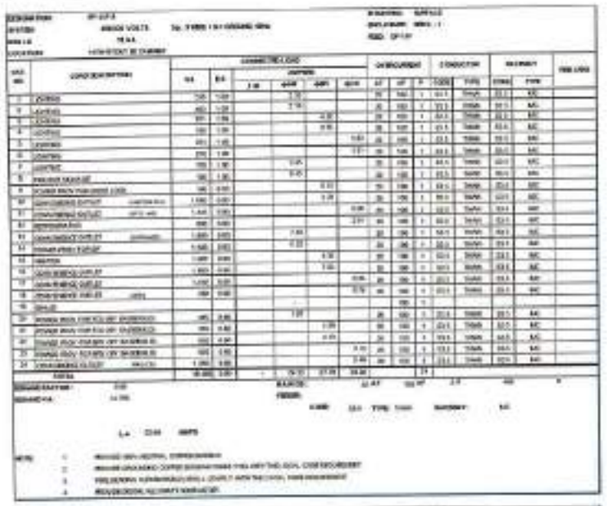
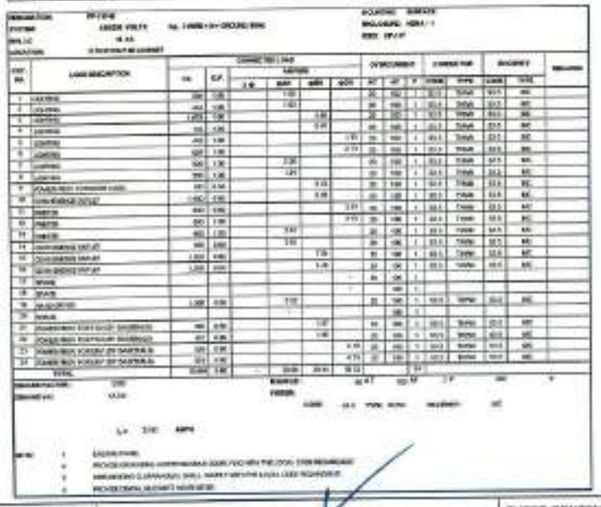
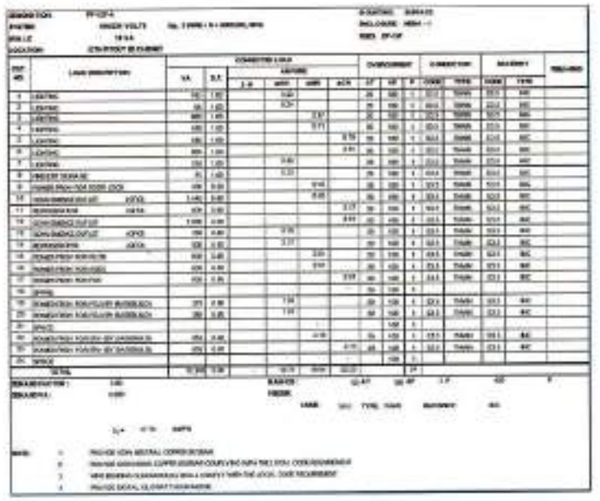
SHEET NO.
EE7-04

PROJ NO. MP2338









APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER

PROJECT TITLE

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION

OWNER :

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESITA O. PANGA
DIRECTOR GENERAL - PEZA

SHEET CONTENTS

ELECTRICAL SERVICES
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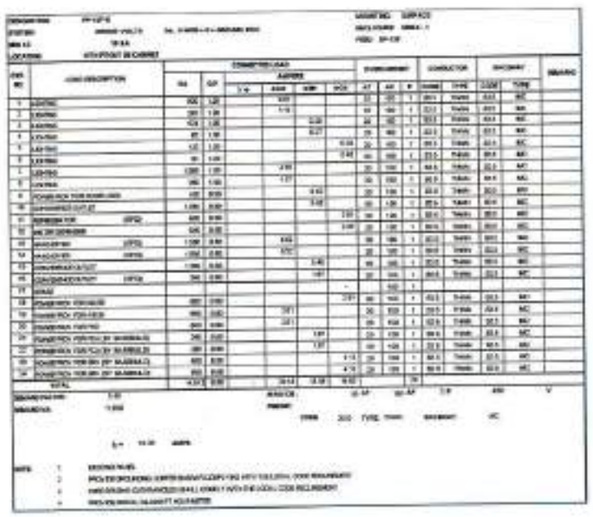
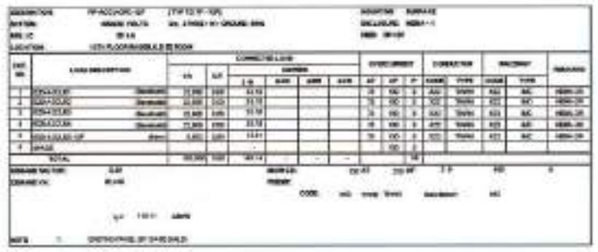
(PART 5 OF 7)

SHEET NO.

EE7-05

PROJ NO. MP2358





APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:
ALFREDO G. RODRIGUEZ, JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE:
PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: ROXAS BLVD. PASAY CITY, METRO MANILA, PHILIPPINES

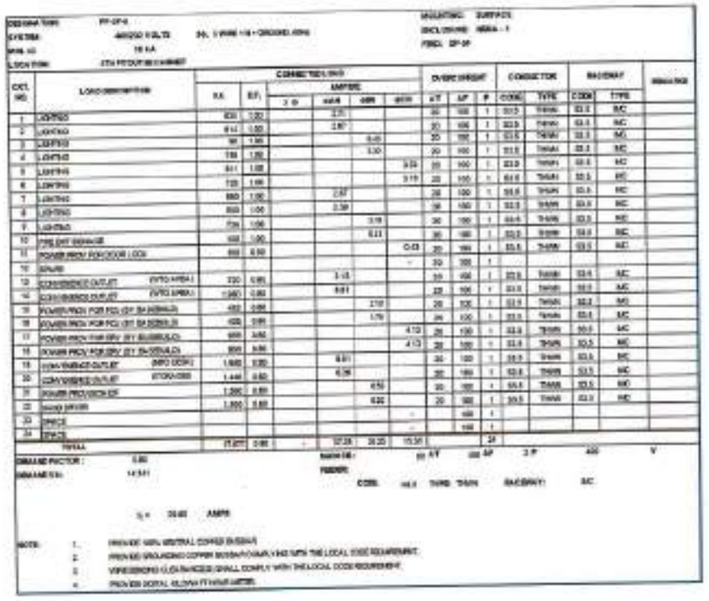
OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL

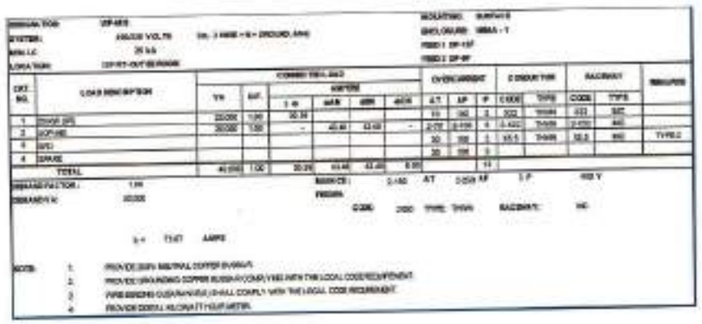
SHEET CONTENTS:
ELECTRICAL SERVICES
LOAD SCHEDULE
(PART 7 OF 8)

APPROVED FOR CONSTRUCTION

SHEET NO.
EE7-08

PROJ NO. MP2588





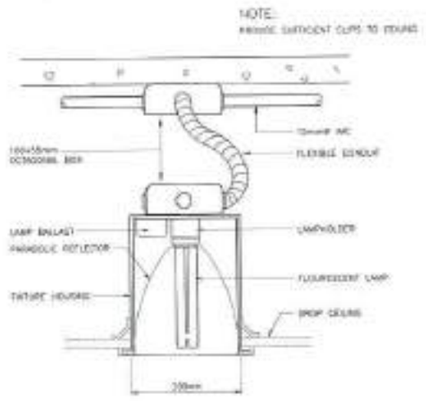
APPROVED FOR CONSTRUCTION

ArkiNovus	ENGINEER:	PROJECT TITLE: PROPOSED PEZA BIC OFFICE FITOUT	OWNER: PHILIPPINES ECONOMIC ZONE AUTHORITY — TERESO O. PANGA, DIRECTOR GENERAL/CEO
MEINHARDT Philippines, Inc.	LOCATION: BONIFACIO HIGH CITY, METRO MANILA, PHILIPPINES		

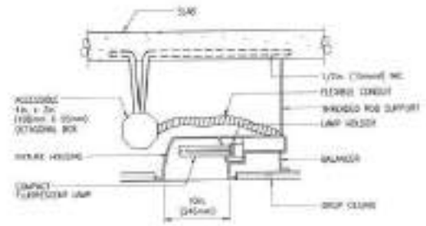
SHEET CONTENTS: ELECTRICAL SERVICES LOAD SCHEDULE (PART 1 OF 2)

SHEET NO.: EET-07

PROJ NO.: MP2588

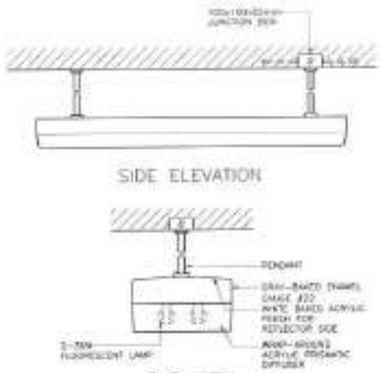


VERTICAL–TYPE



HORIZONTAL–TYPE

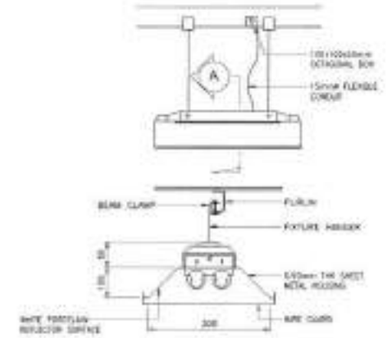
1	PINLIGHT MOUNTING DETAIL
NTS	



SIDE ELEVATION

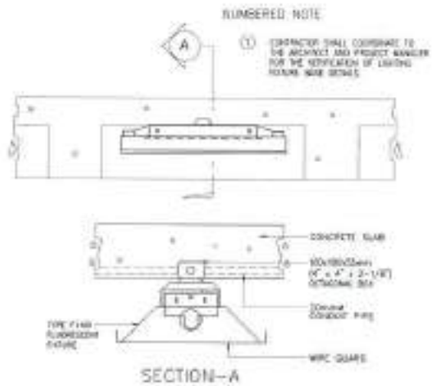
END VIEW

2	LIGHTING FIXTURE MOUNTING DETAIL (SUSPENDED)
NTS	



SECTION–A

3	INDUSTRIAL TYPE LIGHTING FIXTURE MOUNTING DETAIL (PENDANT)
NTS	



SECTION–A

4	INDUSTRIAL TYPE LIGHTING FIXTURE MOUNTING DETAIL
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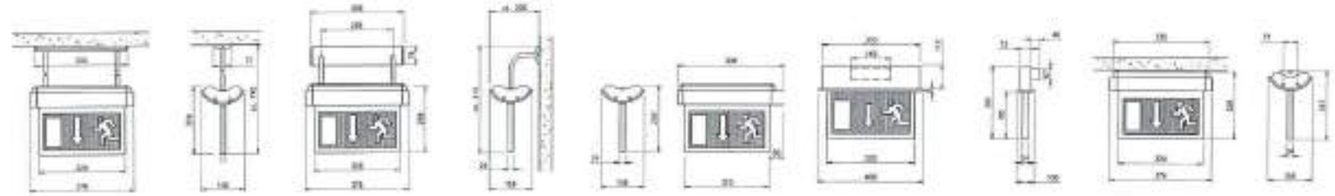
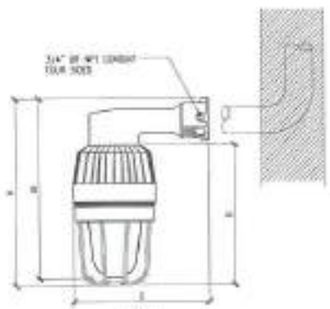
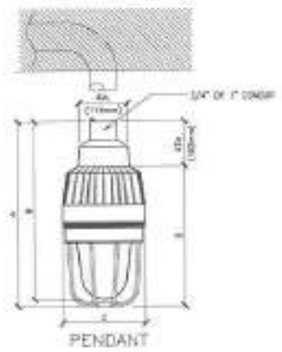


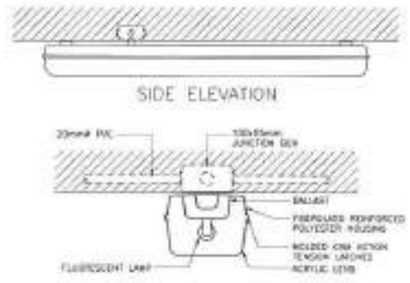
PENDANT–SUSPENDED | WALL–MOUNTED | BRACKET–MOUNTED | CEILING RECESSED | CEILING–SUSPENDED

5	EXIT LIGHT MOUNTING DETAIL
NTS	





6	WALL & PENDANT LIGHTING DETAIL
NTS	



7	LIGHTING FIXTURE MOUNTING DETAIL (SUSPENDED)
NTS	

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT
Meinhardt Philippines, Inc.

ENGINEER:
ALFREDO O. RODRIGUEZ, JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE
PROPOSED PEZA BIC OFFICE FITOUT

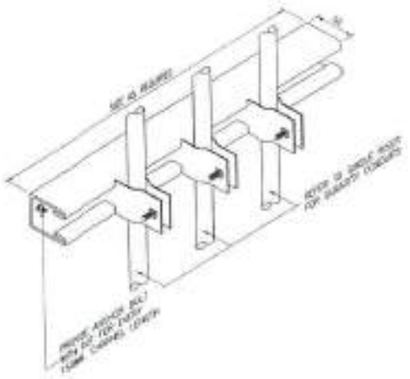
LOCATION: BONIFACIO, PEZA CITY, METRO MANILA, PHILIPPINES

OWNER:
PHILIPPINES ECONOMIC ZONE AUTHORITY
TERESO O. PANGA
DIRECTOR GENERAL

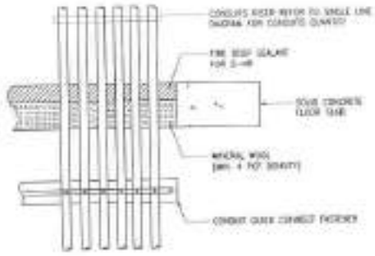
SHEET CONTENTS
ELECTRICAL SERVICES
MISCELLANEOUS DETAILS 2

SHEET NO.
EEB-01

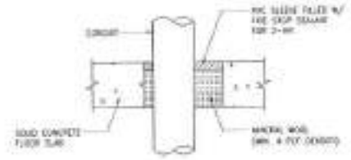
PROJ NO. MP2258



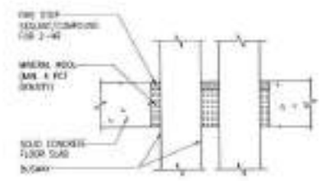
1 NTS CONDUIT RISER DETAIL



MULTIPLE CONDUITS PENETRATION

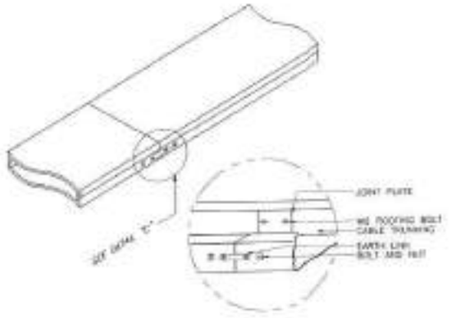


SINGLE CONDUIT PENETRATION

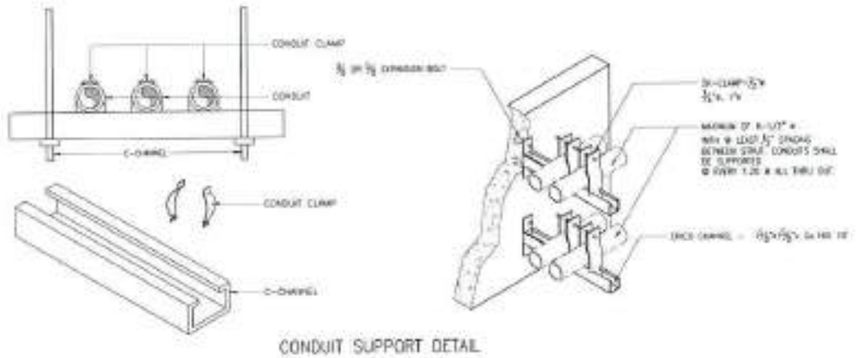


BUSDUCT PENETRATION

2 NTS TYPICAL RACEWAY & BUSDUCT PENETRATIONS WITH FIRESTOP

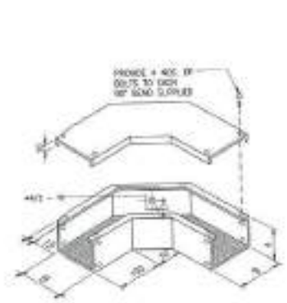


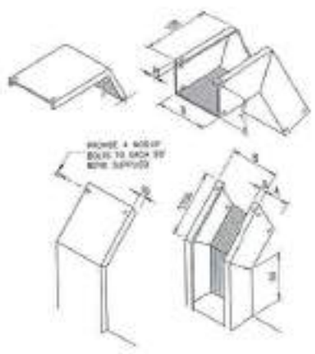
3 NTS CABLE TRUNKING DETAIL

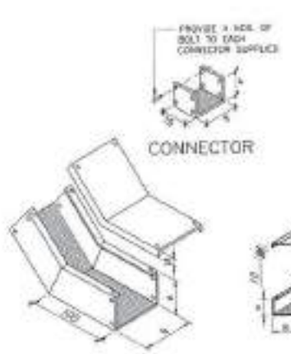


CONDUIT SUPPORT DETAIL

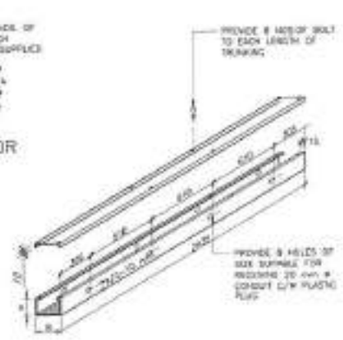
4 NTS CONDUIT SUPPORT DETAIL

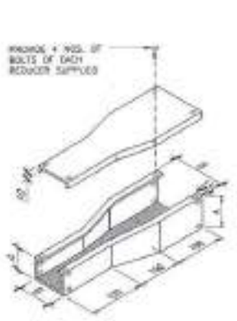


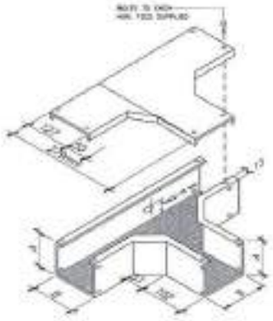




CONNECTOR







5 NTS ELECTRICAL CABLE TRUNKING DETAIL

APPROVED FOR CONSTRUCTION

ArkiNovus

MEINHARDT Philippines, Inc.

ENGINEER:

ALFREDO D. RODRIGUEZ, JR.
PROFESSIONAL ELECTRICAL ENGINEER

PROJECT TITLE:

PROPOSED PEZA BIC OFFICE FITOUT

LOCATION: ROXAS BLVD, PASAY CITY, METRO MANILA, PHILIPPINES

OWNER:

PHILIPPINES ECONOMIC ZONE AUTHORITY

TERESITA O. PANGA
DIRECTOR GENERAL - PEZA

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ELECTRICAL SERVICES

MISCELLANEOUS DETAILS 2

SHEET NO.

EES-02

PROJ. NO. MP2558