ELECTRICAL LEGEND:

- 5-20R DUPLEX RECEPTACLE IN 2"x4" JUNCTION BOX WITH ONE-GANG WALL PLATE @ 18" A.F.F. IN HORIZONTAL POSITION
- 5-20R GFCI DUPLEX RECEPTACLE IN 2"x4" JUNCTION BOX WITH ONE GANG WALL PLATE @ 42" A.F.F. OR 6" A.C.T. IN HORIZONTAL POSITION
- DUPLEX RECEPTACLE / PHONE / DATA OUTLET COMBO IN FLUSH FLOOR BOX.
- 5-20R QUADRUPLEX RECEPTACLE IN 4"x4" JUNCTION BOX @ 18" A.F.F. IN HORIZONTAL POSITION
- FUSIBLE SAFETY SWITCH NEMA-1 IF INDOORS, NEMA-3R ENCLOSURE IF LOCATED OUTDOORS OR NEMA 4X IF LOCATED LESS THAN 1 OF A COASTLINE. SEE SAFETY SWITCH SCHEDULE FOR DETAILS.
- ELECTRICAL LOADCENTER PANEL SEE PANEL SCHEDULE FOR DETAILS.
- DT-1 50KVA — DRY-TYPE TRANSFORMER TO BE INSTALLED REFER TO RISER DIAGRAM FOR DETAILS. TRANSFORMER ID TAG AND CAPACITY AS SHOW INSIDE SYMBOL.
- CONDUIT STUBBED AND CAPPED OR BUSHED.
- CONDUIT UP / DOWN.
- HOMERUN TO PANELBOARD WITH CIRCUIT NUMBERS AS INDICATED. SHORT LEG, LONG LEG & LONG LEG WITH TICK INDICATES HOT, NEUTRAL & GROUND RESPECTIVELY.

NOTES:

1) MOUNTING HEIGHTS DEPICTED IN THE LEGEND SHALL BE FOLLOWED UNLESS OTHERWISE NOTED ON THE DRAWINGS.

ABBREVIATIONS:

2) A.F.F. - DENOTES ABOVE FINISHED FLOOR.
3) A.C.T. - DENOTES ABOVE COUNTER TOP.
4) J.B. - DENOTES JUNCTION BOX.
5) N.I.C. - DENOTES NOT IN CONTRACT.
6) WP - DENOTES WEATHERPROOF.
7) N.T.S. - DENOTES NOT TO SCALE.
8) G.F.I. - DENOTES GROUND FAULT INTERRUPTING

TELECOMMUNICATIONS LEGEND:

- CATV/DATA OUTLET IN A 4"x4" JUNCTION BOX WITH ONE GANG WALL PLATE @ 18" A.F.F. IN HORIZONTAL POSITION
- TELEPHONE OUTLET IN 4"x4" JUNCTION BOX WITH ONE GANG WALL PLATE @ 18" A.F.F. IN HORIZONTAL POSITION
- CATV/DATA OUTLET IN A 4"x4" JUNCTION BOX WITH ONE GANG WALL PLATE @ 36" A.F.F. OR 6" ABOVE COUNTER SPACE IN HORIZONTAL POSITION.
- TELEPHONE OUTLET IN 4"x4" JUNCTION BOX WITH ONE GANG WALL PLATE @ 36" A.F.F. OR 6" ABOVE COUNTER SPACE IN HORIZONTAL POSITION.
- COMBINATION DATA/TELEPHONE OUTLET IN A 4"x4" JUNCTION BOX WITH ONE GANG WALL PLATE @ 18" A.F.F. IN HORIZONTAL POSITION
- COMBINATION DATA/TELEPHONE OUTLET IN 4"x4" JUNCTION BOX WITH ONE GANG WALL PLATE @ 36" A.F.F. OR 6" ABOVE COUNTER SPACE IN HORIZONTAL POSITION.
- TTC — TELECOMUNICATION DATA/TELEPHONE PANEL 8'X4' FIRE TREATED PLYWOOD PANEL WALL PLATE @ 36" A.F.F. OR 6" ABOVE COUNTER SPACE IN HORIZONTAL POSITION.
- COPPER GROUND BUS BAR WITH STAND-OFF INSULATORS REFER TO GROUN BUS DETAILS FOR MORE INFORMATION.

LIGHTING LEGEND:

- LPX — LIGHTING CONTROL PANEL SEE CONTROL PANEL DETAILS.
- SINGLE POLE SWITCH IN 2"x4" JUNCTION BOX WITH ONE GANG WALL PLATE @ 46" A.F.F. IN VERTICAL POSITION
- $_{OC}$ — SINGLE POLE OCCUPANCY SENSOR SWITCH - AUTO ON WITH ONE GANG WALL PLATE MOUNTED @ 46" A.F.F.
- $_{VC}$ — SINGLE POLE VACANCY SENSOR SWITCH - MANUAL ON WITH ONE GANG WALL PLATE MOUNTED @ 46" A.F.F.
- $_{D}$ — SINGLE POLE DIMMER SWITCH WITH ONE GANG WALL PLATE MOUNTED @ 46" A.F.F.
- OC — 360 DEGREE DUAL-TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR.
- HPA–1 / L1 — 2'X4' LED TROFFER. DESIGNATION ON TOP RIGHT CORNER DENOTES PANEL & CIRCUIT NUMBER. DESIGNATION ON BOTTOM RIGHT CORNER DENOTES FIXTURE ID. DESIGNATION ON TOP LEFT CORNER DENOTES CONTROL CIRCUIT.
- HPA–1 / L1E — 2'X4' LED TROFFER, SAME AS ABOVE BUT WITH 90MIN. EMERGENCY BATTERY PACK.
- HPA–2 / L2 — 2'X2' LED PANEL. DESIGNATION ON TOP RIGHT CORNER DENOTES PANEL & CIRCUIT NUMBER. DESIGNATION ON BOTTOM RIGHT CORNER DENOTES FIXTURE ID. DESIGNATION ON TOP LEFT CORNER DENOTES CONTROL TAG.
- HPA–2 / L2E — 2'X2' LED PANEL. SAME AS ABOVE BUT WITH 90MIN. EMERGENCY BATTERY PACK.
- HPX–XX / L6E — 6" LED DOWNLIGHT. DESIGNATION ON TOP RIGHT CORNER DENOTES PANEL & CIRCUIT NUMBER. DESIGNATION ON BOTTOM RIGHT CORNER DENOTES FIXTURE ID. DESIGNATION ON TOP LEFT CORNER DENOTES CONTROL TAG.
- HPX–XX / L10 — WALL BRACKET LED. DESIGNATION ON TOP RIGHT CORNER DENOTES PANEL & CIRCUIT NUMBER. DESIGNATION ON BOTTOM RIGHT CORNER DENOTES FIXTURE ID. DESIGNATION ON TOP LEFT CORNER DENOTES CONTROL TAG.
- HPX–XX / ES–1 — EMERGENCY EXIT SIGN. REFER TO FIXTURE SCHEDULE FOR DETAILS.

FIRE ALARM LEGEND:

- CONDUIT STUBBED AND CAPPED OR BUSHED.
- CONDUIT UP / DOWN.
- HOMERUN TO PANELBOARD WITH CIRCUIT NUMBERS AS INDICATED. SHORT LEG, LONG LEG & LONG LEG WITH TICK INDICATES HOT, NEUTRAL & GROUND RESPECTIVELY.
- JB — JUNCTION BOX, SIZE AS INDICATED ON PLANS FLOOR MOUNT, FULLY ADJUSTABLE UNLESS OTHERWISE NOTED.
- JB — JUNCTION BOX, SIZE AS INDICATED ON PLANS WALL MOUNT @ 18" AFF UNLESS OTHERWISE NOTED.
- JB — JUNCTION BOX, SIZE AS INDICATED ON PLANS INSIDE PLENUM OR CONCEALED IN CEILING FACING DOWN.
- CEILING MOUNTED FIRE ALARM FLASHING STROBE (cd AS REQUIRED PER NFPA 72) / HORN. INSTALL NOT ABOVE 96" A.F.F.
- FIRE ALARM FLASHING STROBE (cd AS REQUIRED PER NFPA 72) / HORN INSTALL NO LESS THAN 80" A.F.F. AND NO GREATER THAN 96" A.F.F. / MIN. 6" BELOW CLG.
- FA — CEILING MOUNTED FIRE ALARM FLASHING STROBE cd AS REQUIRED / MAX 96"AFF / MIN 6" BELOW CLG.
- FACP — FIRE ALARM CONTROL PANEL / ANNUNCIATOR
- DMSD — DUCT SMOKE DETECTOR IN SUPPLY (OVER 2000 CFM.)
- H — CEILING MOUNTED FIRE ALARM HEAT DETECTOR. INSTALL 3" MIN. FROM HVAC SUPPLY OR RETURN GRILLE.
- S — CEILING MOUNTED FIRE ALARM PHOTOELECTRIC TYPE SMOKE DETECTOR. INSTALL 3" MIN. FROM HVAC SUPPLY OR RETURN GRILLE.
- F — FIRE ALARM PULL STATION - 48" AFF
- FARA — FIRE ALARM REMOTE ANNUNCIATOR FLUSH MTD. 60" A.F.F.

ELECTRICAL NOTES:

1. ALL INDICATED HEIGHTS ARE FROM CENTER OF THE EQUIPMENT TO FINISHED FLOOR UNLESS INDICATED.
2. NO WIRE SHALL BE SMALLER THAN #12 AWG THHN, 600V INSULATION.
3. NO CONDUIT SHALL BE SMALLER THAN 3/4" DIAMETER.
4. ELECTRICAL CONTRACTOR SHALL BALANCE ALL THE LOADS.
5. PROVIDE GREEN BONDING JUMPER BETWEEN THE OUTLET BOX GROUNDING SCREW AND ALL RECEPTACLES, GROUNDING TERMINALS, EXCEPT SELF-GROUNDING TYPE RECEPTACLES.
6. PROVIDE MULTI-WIRE BRANCH CIRCUITS UTILIZING COMMON NEUTRALS(EXEPT WHEN OTHERWISE NOTED), FOR LIGHTING, RECEPTACLES AND SINGLE PHASE EQUIPMENT CIRCUIT NUMBERS ADJACENT TO THE "HOME RUN" ARE INDICATED AS A GUIDE FOR PROPER CONNECTIONOF MULTIWIRE CIRCUIT AT PANELS, THE CONTRACTOR SHALL COORDINATE THE FINAL ARRANGEMENT AND ROUTING OF BRANCH CIRCUITS.
7. ALL WIRING SHALL BE DONE IN E.M.T, CONDUIT UNLESS SPECIFIED.
8. UF CABLES ARE NOT ALLOWED, ONLY STRANDED COPPER THHN (OR AS SPECIFIED) INSULATED SHALL BE USED.
9. ELECTRICAL CONTRACTOR SHALL REVIEW DIMENSION OF JUNCTION BOXES TO INSURE CABLE PERMISSIBLE RADIUS AT FIELD.
10. ELECTRICAL CONTRACTOR SHALL COORDINATE, WITH ALL TRADES, THE CONDUIT ROUTING IN ORDER TO AVOID CONFLICTS, IN CASE OF CONFLICT THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECT.
11. THE CONTRACTOR SHALL VISIT THE JOB SITE AND BECOME ACQUAINTED WITH THE EXISTING FIELD CONDITIONS IT SHALL BE THE DIRECT RESPONSABILITY OF THE CONTRACTOR TO BRING PROMPTLY TO THE ATTENTION OF THE DESIGNER ANY DISCREPANCIES BETWEEN THE EXISTING FIELD CONDITIONS AND THOSE USED FOR DESIGN PURPOSES.
12. THE CONDUIT TRAYECTORY SHOWN IN THE LAYOUTS IS OF A SCHEMATIC NATURE AND IS INTENDED ONLY TO INDICATE INTERCONNECTIONS BETWEEN OUTLETS, EXACT ROUTING OF THE CONDUITS SHALL BE DETERMINED AT JOB SITE TO CONFORM TO THE STRUCTURAL CONDITIONS AND SHALL BE APPROVED BY THE ENGINEER.
13. PROVIDE EXPANSION JOINT COUPLINGS OR THE REQUIRED TYPE AND SIZE WHENEVER A CONDUIT CROSSES AN EXPANSION JOINT.
14. ELECTRICAL CONTRACTOR MUST MAKE SURE THAT THE ENTIRE ELECTRICAL SYSTEM HAS GROUND CONTINUITY.
15. ALL GROUND SYSTEM SHALL HAVE A MAXIMUM RESISTANCE OF 25 OHMS. THE CONTRACTOR SHALL VERIFY THIS CONDITION ON THE FIELD.
16. ELECTRICAL CONTRACTOR SHALL VERIFY ALL EQUIPMENT REQUIREMENTS WITH THE EQUIPMENT SUPPLIER, BEFORE FINAL CONNECTION OF CONDUITS AND WIRING.
17. PROVIDE TYPEWRITTEN IDENTIFICATION CARDS FOR ALL BRANCH CIRCUITS INSIDE THE PANELBOARDS.
18. ALL RELATED ELECTRICAL EQUIPMENT SHALL BE NEW AND CONSTRUCTED ACCORDING TO ANSI, NEMA AND PREPA STANDARDS.
19. ALL ELECTRICAL CONSTRUCTION WORKS SHALL BE DONE IN A THOROUGH AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS, SPECS AND CONSTRUCTION DRAWINGS. THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE SHALL BE FOLLOWED EXCEPT WHERE LOCAL REGULATIONS ARE MORE STRINGENT.
20. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY INTERCONNECTIONS BETWEEN THE MOTORS AND THE MOTORS AND THE STARTING/DISCONNECTING EQUIPMENT.

FIRE ALARM NOTES:

1. CONTRACTOR SHALL SUBMIT CONSTRUCTION SHOP DRAWING INCLUDING ONE-LINE DIAGRAMS FOR FINAL APPROVAL.
2. ALL CONDUITS, WIRING & DEVICE REQUIREMENTS SHALL BE COORDINATED WITH THE MANUFACTURER PRIOR TO INSTALLATION. CONDUITS SHALL BE 3/4" EMT FOR CEILING PLENUM OR WALLS AND 3/4" PVC FOR CONCRETE SLABS.
3. ALL JUNCTION BOXES FOR THE FIRE ALARM SYSTEM SHALL BE IDENTIFIED AND PAINTED RED.
4. THE WIRING OF THE FIRE ALARM SYSTEM SHALL BE CLASS "B".
5. THE CONTRACTOR SHALL INSTALL ALL REQUIRED WIRING & DEVICES TO COMPLETE THE SYSTEM AS ILLUSTRATED ON DRAWINGS.
6. SMOKE DETECTORS SHALL NOT BE INSTALLED MORE THAN SIX INCHES (6") FROM THE HIGHEST POINT OF CEILING SLAB. COORDINATE THE EXACT REQUIREMENTS WITH MANUFACTURER.
7. THE CONTRACTOR SHALL INSTALL ONE SMOKE DETECTOR IN THE SUPPLY DUCT HOUSING FOR AIR HANDLING UNITS (A/C) OF 2,000 TO 15,000 CFM. FOR MORE THAN 15,000 CFM CONTRACTOR SHALL INSTALL ANOTHER SMOKE DETECTOR IN THE RETURN DUCT HOUSING. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL DRAWINGS AND WITH MANUFACTURER.
8. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES WHETHER SHOWN OR NOT.
9. FIRE ALARM CONTROL PANEL SHALL BE ADDRESSEABLE FOR EACH FIRE ALARM DEVICE OR APPROVED EQUAL, PER LATEST ADOPTED EDITION NFPA 70, 72, 101, FBC.
10. INSTALLATION SHALL BE BY AN EC OR EF LICENSED CONTRACTOR. WHO SHALL PROVIDE A COMPLETE PACKAGE OF SHOP DRAWINGS PER FBC 907.1.2 FIRE ALARM SHOP DRAWINGS PER APPLICABLE CODES AND AHJ.
11. MINIMUM CONDUIT SIZE SHALL BE 3/4" EMT FOR ALL CONNECTIONS, UNLESS OTHERWISE NOTED.
12. TEST SENSITIVITY OF EACH DETECTOR, DOCUMENT IN AS-BUILT PACKAGE.
13. PROVIDE CIRCUIT BREAKER LOCK AND LABEL ON CIRCUIT (FACP).
14. PROVIDE COMPLETE TEST DEMONSTRATION FOR LOCAL FIRE MARSHALL AND OWNER'S REPRESENTATIVE.
15. SUBMIT FIRE ALARM SYSTEM PLANS AND SPECIFICATIONS IN ACCORDANCE WITH APPLICABLE CODES/STANDARDS FOR REVIEW BY LOCAL AHJ.
16. ALL EQUIPMENT SHALL BE UL LISTED FOR FIRE ALARM SERVICE AND FOR OPERATION AS A SYSTEM.
17. CABLE SHALL BE UL LISTED FOR POWER LIMITED OR NON-POWER LIMITED FOR FIRE PROTECTIVE SIGNALING SYSTEMS, MINIMUM OF #16AWG SOLID.
18. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. (LABEL UNIT DESIGNATION)
19. SMOKE DETECTORS UL LISTED FOR USE IN AIR DISTRIBUTION SYSTEMS SHALL BE LOCATED DOWNSTREAM OF THE AIR FILTERS AND AHEAD OF ANY BRANCH CONNECTIONS IN AIR SUPPLY SYSTEMS , REMOTE ALARM, TEST AND RESET ARE REQUIRED FOR AIR HANDLING UNITS LOCATED IN SERVING AREA 80" A.F.F.
20. CALL THE LOCAL FIRE MARSHAL'S OFFICE FOR ALL FIRE DEPARTMENT INSPECTIONS. PROVIDE LOCK BOX FOR KEY ACCESS TO BUILDING FIRE ALARM SYSTEM LOCATED PER AHJ.
21. AREA SMOKE DETECTORS SHALL BE LOCATED A MINIMUM OF 4' FROM ALL AIR DIFFUSERS.

TELECOMUNICATION NOTES:

1. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES TO PERFORM ALL OPERATIONS REQUIRED FOR THE COMPLETE INSTALLATION AND RELATED WORK AS SHOWN ON DRAWINGS AND SPECIFIED HEREIN. ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
2. MINIMUM SIZE OF CONDUITS TO BE AS FOLLOWS: 1"Ø FOR TELECOMMUNICATIONS, $\frac{3}{4}$"Ø FOR SECURITY & AUDIO, OR AS SPECIFIED IN PLANS.
3. ALL CONDUITS SHALL BE PROVIDED WITH A 1/4" NYLON FISHWIRE.
4. PROVIDE ALL REQUIRED SUPPORTS AND ACCESSORIES.
5. INSTALL ALL WORK IN COMPLIANCE WITH THE LATEST EDITION OF:
   A. THE NATIONAL ELECTRICAL CODE, NFPA-70
   B. BICSI TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL
   C. JUNTA REGLAMENTADORA DE TELECOMUNICACIONES (JRT) REQUIREMENTS
6. PROVIDE COVERS DESIGN AND STYLE TO SUIT BOX AND LOCATION.
7. FLUSH RECESSED WHEREVER POSSIBLE AND SECURELY SUPPORTED FROM BUILDING CONSTRUCTION.
8. MOUNTING HEIGHT OF OUTLET BOXES SHALL BE 1'-6" AFF OR AS INDICATED IN THE PLANS.
9. TELECOMMUNICATION CABLES AND ELECTRICAL WIRING SHALL NEVER PASS THROUGH THE SAME HOLES OR SHARE SAME CONDUIT.
10. MINIMUN CONDUIT BENDS RADIO SHALL BE AS FOLLOWS:
    18" FOR 1" TO 1.5" DIAM. CONDUIT
    24" FOR 2" DIAM. CONDUIT
    30" FOR 3" TO 4" DIAM. CONDUIT
11. PROVIDE 1"Ø LIQUIDTIGHT FLEXIBLE NON-METALLIC CONDUIT & FITTINGS FOR ALL TRANSITIONS BETWEEN JUNCTION WALL OR FLOOR BOXES AND MODULAR FURNITURE SYSTEMS OR TABLE BOXES.
12. COORDINATE EXACT LOCATION OF FLOOR BOXES WITH ARCHITECT AT FIELD.
13. PROVIDE CABLE SLACK OF 12" AT OUTLET BOX AND 10' ORGANIZED ON TOP OF THE RACK IN A FIGURE "8".
14. ALL NON-WELDED CONNECTIONS TO THE TGB AND TO THE OBJECTS BEING BONDED SHALL BE MADE WITH TWO-HOLE LUGS.
15. NO MORE THAN 180 DEGREES OF CONDUIT BENDS SHALL BE PERMITTED BETWEEN PULL POINTS.
16. CABLING NOT CONTAINED IN A CONTINUOUS CONDUIT SHALL BE SUPPORTED AT INTERVALS OF NO GREATER THAN 5' USING SUPPORTING DEVICES SECURED TO THE BUILDING STRUCTURE.
17. CABLE TRAY FITTINGS AND ACCESORIES SHALL BE THOSE PROVIDED BY THE MANUFACTURER.
18. THE CABLE TRAY SYSTEM SHOULD BE SUPPORTED ON 5' CENTERS, WITH A SUPPORT PLACED WITHIN 2' ON EACH SIDE OF ANY CONNECTION TO A FITTING.
19. SUPPORT AND BOND CONDUITS TO CABLE TRAY.
20. REFER TO APPROVED CABLING STANDARDS FOR REQUIREMENTS OF:
    - TERMINATIONS
    - TESTING & CERTIFICATION
    - LABELING
    - DOCUMENTATION

LIGHTING NOTES:

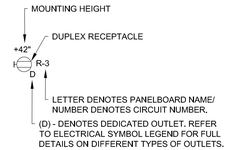
1. LETTER "L" AND NUMBER DENOTES FIXTURE TYPE AS DESCRIBED IN LIGHTING FIXTURE SCHEDULE. SMALL LETTER INDICATES SWITCH WITH CORRESPONDING SMALL LETTER CONTROLLING FIXTURE. FIXTURE SYMBOLSWITH SHADING DENOTES FIXTURES TO BE USED AS NIGHT AND/OR EMERGENCY SYSTEM.
2. FOR THE EXACT LOCATION OF LIGHTING FIXTURES IN AREAS HAVING A HUNG CEILING, SEE LIGHTING REFLECTED CEILING PLANS.
3. FINAL LOCATION FOR FIXTURES MOUNTED IN EXPOSED AREAS IS TO BE COORDINATED WITH THE HVAC DUCTS AND EQUIPMENT, PIPING CONDUITS OR PIPE RACKS.
4. ALL LIGHTING FIXTURES SHOWN WITH HATCH SHALL BE PROVIDED WITH EMERGENCY BATTERY PACKOF TWO HOUR OPERATION.
5. FIXTURES WITH HATCH SHALL BE NIGHT LIGHT & EMERGENCY BATTERY PACK.
6. FOR LIGHTING FIXTURES SCHEDULES AND ADDITIONAL NOTES SEE SHEET L2-01.
7. THE CONTRACTOR IS RESPONSIBLE FOR ADECUATE CONNECTION OF THE PARKING LIGHTING SYSTEM IN ORDER FOR IT TO OPERATE ADECUATELY. SEE LIGHTING CONTROL DIAGRAM FOR DETAILS.
8. ALL CIRCUIT BREAKER USED TO CONTROL LIGHTING CIRCUITS SHALL BE RATED FOR SWITCHING DUTY.
9. ALL LIGHTING FIXTURES SHALL BE U/L LISTED. FLUORESCENT BALLAST SHALL BE U/L APPROVED AND HAVE A HIGH POWER FACTOR.
10. CONTRACTOR SHALL VERIFY PANEL VOLTAGES BEFORE BUYING LIGHT FIXTURES AND/OR WIRING DEVICES.

APPLICABLE CODES:

THE FOLLOWING ARE THE CURRENTLY ADOPTED CODES AT THE TIME THESE CONSTRUCTION DOCUMENTS WERE PREPARED:

- PUERTO RICO BUILDING CODE 2018
- PUERTO RICO EXISTING BUILDING CODE 2018
- PUERTO RICO FIRE CODE 2018
- PUERTO RICO ELECTRICAL CODE 2017 (NFPA 70-2017 EDITION)

RECEPTACLE OUTLET NOMENCLATURE
(EX: DUPLEX RECEPTACLE MOUNTED @ 42" A.F.F. WITH A DEDICATED CIRCUIT #3 ON PANEL "R")



NOTE:
- SYMBOLS AND TAGS MAY SHIFT PER DRAWING CONDITIONS.
- REFER TO ELECTRICAL LEGEND FOR FOR DIFFERENT OUTLET TYPES.

CERTIFICACIÓN

Yo, Ingeniero Edgardo J. Martinez, número de licencia 20481 PE, certifico que soy el profesional que diseñó estos planos y las especificaciones complementarias. También, certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Certifico, además, que en la preparación de estos planos y especificaciones se ha cumplido cabalmente con lo dispuesto en la Ley 14-2004, según enmendada, conocida como la "Ley para la Inversion por la Industria Puertorriqueña" y con la Ley Num. 319 de 15 de mayo de 1938, según enmendada; Ley Núm. 96 de 6 de julio de 1978, según enmendada; según aplique. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

9.14.2026 - BID SET

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architecture psc
CONSULTANT

PROJECT NAME

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REVISIONS

No.	DESCRIPTION	DATE

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PARTNER IN CHARGE
DESIGN CAPTAIN
JOB CAPTAIN
CHECKED BY
DRAWN BY

BID SET

DRAWING TITLE
ELECTRICAL GENERAL NOTES & LEGENDS

SCALE	DRAWING No.
1/4"=1'-0"	E-0.1
PROJECT No.	
DATE: NOV 2025	SHEET No. 1



POWER CODED NOTES

1. FUEL TANK & GENERATOR ROOM RECEPTACLES ARE EXISTING TO REMAIN. CONTRACTOR SHALL ENSURE RECEPTACLES ARE IN GOOD WORKING ORDER & REPLACE RECEPTACLE AND FACEPLATE ASSEMBLY ONLY.
2. WATER CISTERN RECEPTACLES AND POWER ARE EXISTING TO REMAIN. CONTRACTOR SHALL ENSURE DISCONNECT & RECEPTACLES ARE IN GOOD WORKING ORDER.
3. ELEVATOR & ELEVATOR PIT EQUIPMENT IS EXISTING TO REMAIN. CONTRACTOR SHALL INSPECT AND ENSURE EXISTING ELECTRICAL EQUIPMENT IS IN GOOD WORKING ORDER.

IMPORTANT CONTRACTOR NOTE:

1. EXISTING PROJECT CONDITIONS, AS THEY APPEAR ON THESE DRAWINGS, SUCH AS ARCHITECTURAL AND STRUCTURAL BUILDING COMPONENTS, MECHANICAL AND ELECTRICAL EQUIPMENT, PIPING, DUCTWORK, ROUGH-INS AND OTHER MISCELLANEOUS CONSTRUCTION, HAVE BEEN GATHERED AND TRANSFERRED FROM PREVIOUSLY COLLECTED FIELD DATA, RECORD DRAWINGS AND INTERPRETED WITH REASONABLE CARE. THE ARCHITECT AND ENGINEER DO NOT ASSUME ANY EXPRESSED OR IMPLIED GUARANTEE THAT CONDITIONS SO INDICATED IN THESE DRAWINGS ARE ENTIRELY COMPLETE, CORRECT AND REPRESENTATIVE OF ACTUAL EXISTING CONDITIONS ON SITE. ALL CONTRACTORS SHALL VISIT THE JOBSITE AND BECOME ACQUAINTED WITH ALL EXISTING SITE CONDITIONS PRIOR TO BIDDING AND VERIFY ALL DIMENSIONS AT THE PROJECT SITE.

PROPOSED BASEMENT FLOOR PLAN

SCALE: 1/4" = 1'-0"

CERTIFICACIÓN

Yo, Ingeniero Edgardo J. Martinez, número de licencia 20481 PE, certifico que soy el profesional que diseñó estos planos y las especificaciones complementarias. También, certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Certifico, además, que en la preparación de estos planos y especificaciones se ha cumplido cabalmente con lo dispuesto en la Ley 14-2004, según enmendada, conocida como la "Ley para la Inversion por la Industria Puertorriqueña" y con la Ley Num. 319 de 15 de mayo de 1938, según enmendada; Ley Núm. 96 de 6 de julio de 1978, según enmendada; según aplique. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

9.14.2026 - BID SET

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REVISIONS

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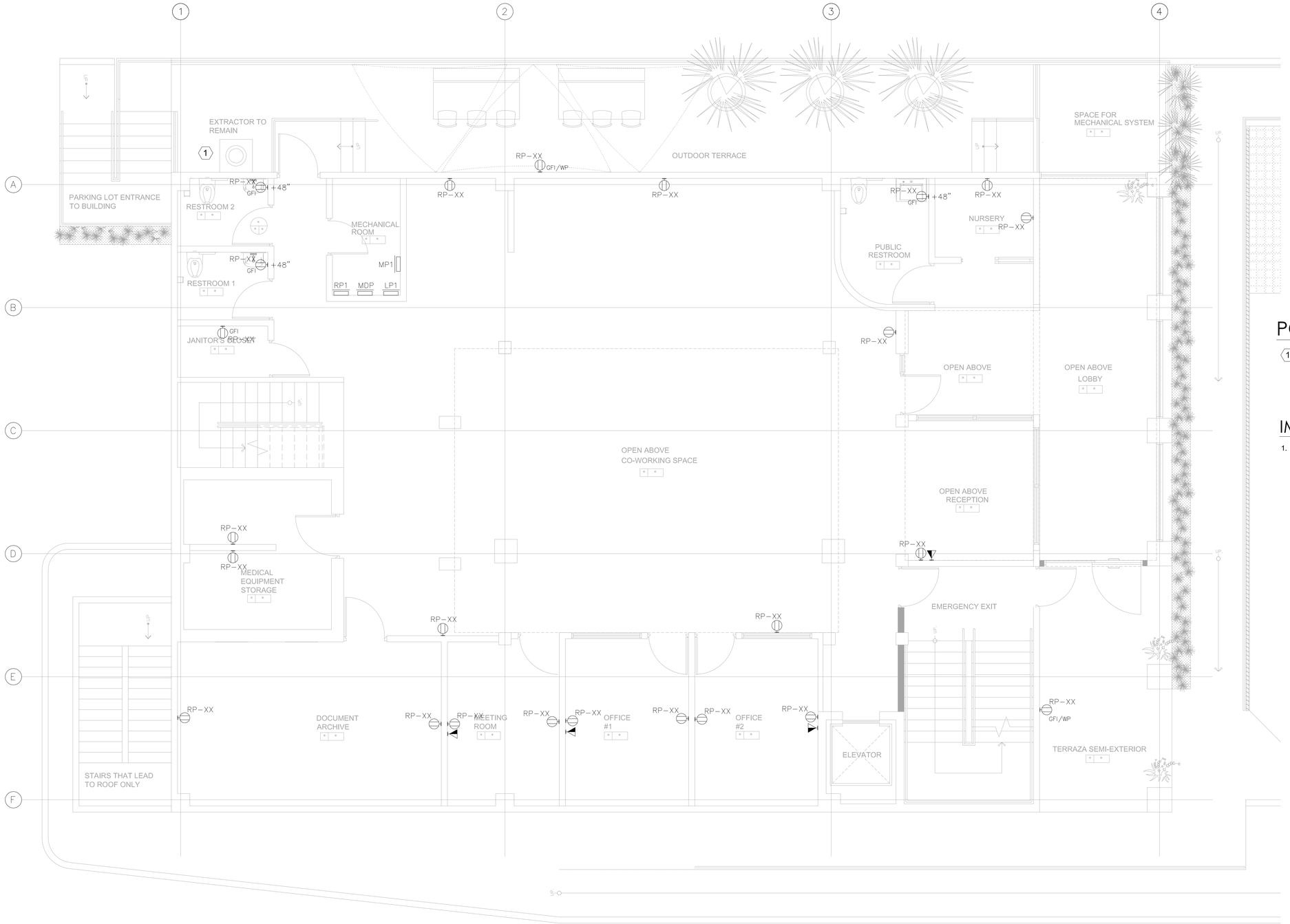
PARTNER IN CHARGE
DESIGN CAPTAIN
JOB CAPTAIN
CHECKED BY
DRAWN BY

BID SET

DRAWING TITLE

BASEMENT POWER PLAN
FLOOR PLAN

SCALE	DRAWING No.
1/4" = 1'	E-1.1
PROJECT No.	
DATE: NOV 2025	SHEET No.



GROUND FLOOR POWER PLAN

SCALE: 1/4" = 1'-0"

POWER CODED NOTES

1. EXHAUST FAN RECEPTACLES AND POWER DISCONNECT ARE EXISTING TO REMAIN. CONTRACTOR SHALL ENSURE DISCONNECT & RECEPTACLES ARE IN GOOD WORKING ORDER.

IMPORTANT CONTRACTOR NOTE:

1. EXISTING PROJECT CONDITIONS, AS THEY APPEAR ON THESE DRAWINGS, SUCH AS ARCHITECTURAL AND STRUCTURAL BUILDING COMPONENTS, MECHANICAL AND ELECTRICAL EQUIPMENT, PIPING, DUCTWORK, ROUGH-INS AND OTHER MISCELLANEOUS CONSTRUCTION, HAVE BEEN GATHERED AND TRANSFERRED FROM PREVIOUSLY COLLECTED FIELD DATA, RECORD DRAWINGS AND INTERPRETED WITH REASONABLE CARE. THE ARCHITECT AND ENGINEER DO NOT ASSUME ANY EXPRESSED OR IMPLIED GUARANTEE THAT CONDITIONS SO INDICATED IN THESE DRAWINGS ARE ENTIRELY COMPLETE, CORRECT AND REPRESENTATIVE OF ACTUAL EXISTING CONDITIONS ON SITE. ALL CONTRACTORS SHALL VISIT THE JOBSITE AND BECOME ACQUAINTED WITH ALL EXISTING SITE CONDITIONS PRIOR TO BIDDING AND VERIFY ALL DIMENSIONS AT THE PROJECT SITE.

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STE 216 PMB 211, # B5 CALLE TABONUCO, GUAYNABO, PR 00968

CERTIFICACIÓN

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CONSULTANT

PROJECT NAME

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DESIGN CAPTAIN
JOB CAPTAIN
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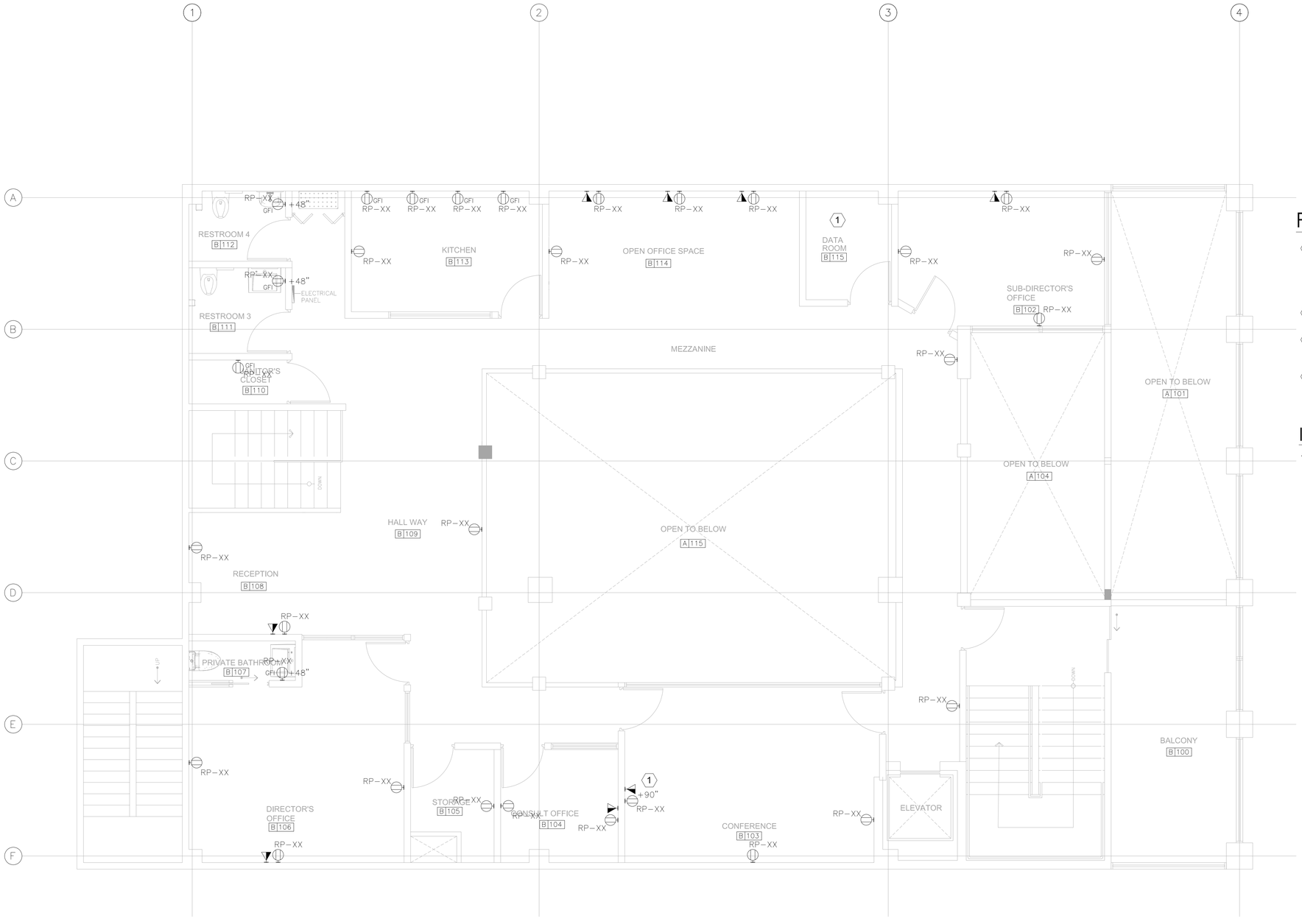
BID SET

DRAWING TITLE

GROUND FLOOR POWER PLAN

SCALE	DRAWING No.
1/4"=1'-0"	E-1.2
PROJECT No.	
DATE: NOV 2025	SHEET No.: 1



SECOND FLOOR POWER PLAN

SCALE 1/4" = 1'-0"

POWER CODED NOTES

1. TV SET POWER AND DATA OUTLETS. CONTRACTOR SHALL FIELD VERIFY WITH OWNER/ARCHITECT FINAL MOUNTING HEIGHT TO ENSURE OUTLETS ARE CONCEALED BEHIND TV SET PRIOR TO ANY PURCHASES AND INSTALLATION
2. DEDICATED SPECIAL EQUIPMENT 120V-15A OUTLET.
3. PLENUM MOUNTED TRANSFORMER. WALL MOUNTED IN THE PLENUM SPACE WITH MANUFACTURER PROVIDED BRACKETS.
4. TELEPHONE/CATV TENANT 24"X24"x6" CABINET. FIELD VERIFY FINAL DIMENSIONS WITH OWNER PRIOR TO INSTALLATION.

IMPORTANT CONTRACTOR NOTE:

1. EXISTING PROJECT CONDITIONS, AS THEY APPEAR ON THESE DRAWINGS, SUCH AS ARCHITECTURAL AND STRUCTURAL BUILDING COMPONENTS, MECHANICAL AND ELECTRICAL EQUIPMENT, PIPING, DUCTWORK, ROUGH-INS AND OTHER MISCELLANEOUS CONSTRUCTION, HAVE BEEN GATHERED AND TRANSFERRED FROM PREVIOUSLY COLLECTED FIELD DATA, RECORD DRAWINGS AND INTERPRETED WITH REASONABLE CARE. THE ARCHITECT AND ENGINEER DO NOT ASSUME ANY EXPRESSED OR IMPLIED GUARANTEE THAT CONDITIONS SO INDICATED IN THESE DRAWINGS ARE ENTIRELY COMPLETE, CORRECT AND REPRESENTATIVE OF ACTUAL EXISTING CONDITIONS ON SITE. ALL CONTRACTORS SHALL VISIT THE JOBSITE AND BECOME ACQUAINTED WITH ALL EXISTING SITE CONDITIONS PRIOR TO BIDDING AND VERIFY ALL DIMENSIONS AT THE PROJECT SITE.

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9.14.2026 - BID SET

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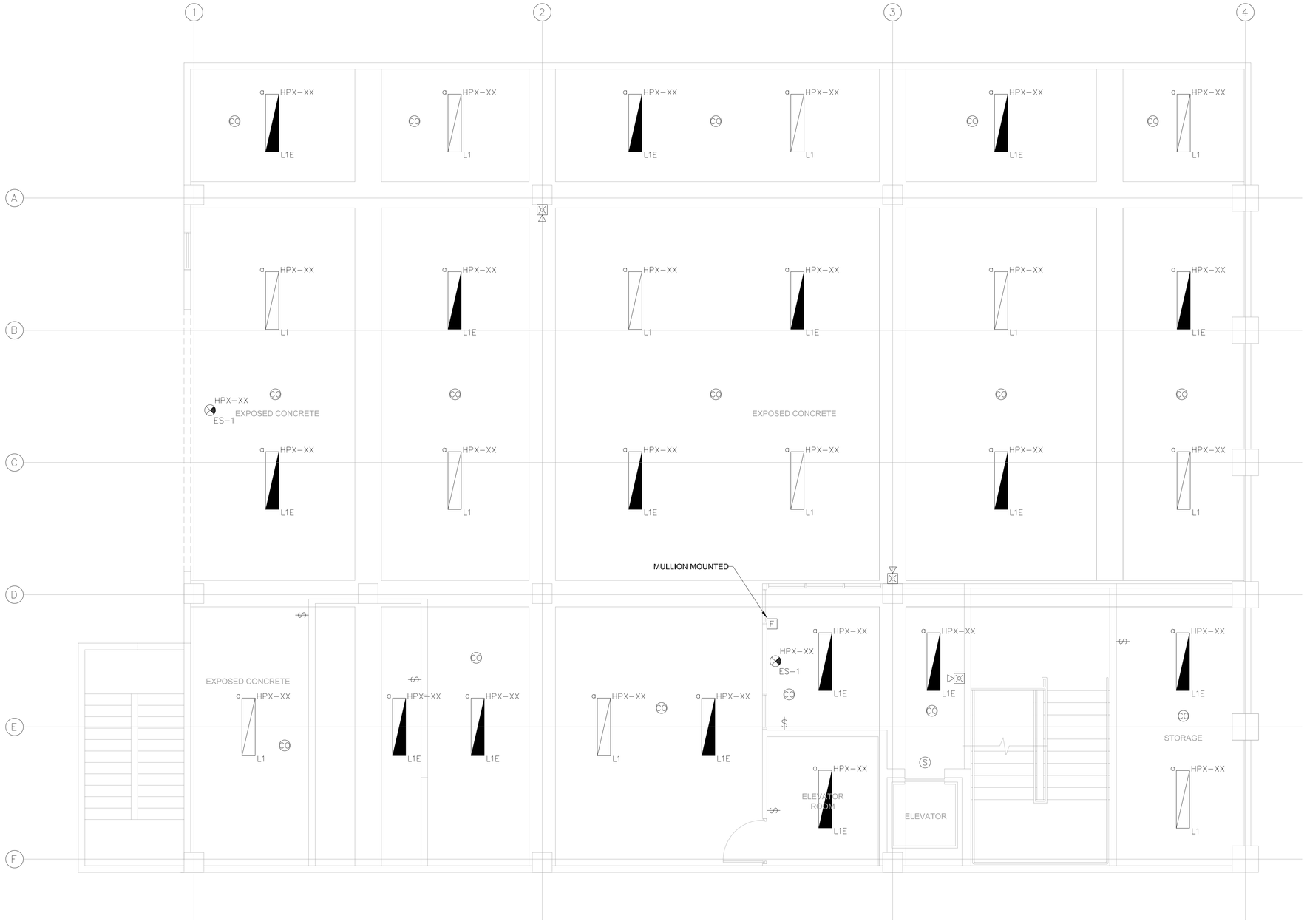
SECOND
FLOOR POWER PLAN

SCALE 1/4"=1'-0"	DRAWING No. E-1.3
PROJECT No.	
DATE NOV 2025	SHEET No. 1



BASEMENT LIGHTING DISTRIBUTION PLAN

LIGHTING NOTES

1. ALL CIRCUIT BREAKER USED TO CONTROL LIGHTING CIRCUITS SHALL BE RATED FOR SWITCHING DUTY.
2. ALL LIGHTING FIXTURES SHALL BE U/L LISTED. FLUORESCENT BALLAST SHALL BE U/L APPROVED AND HAVE A HIGH POWER FACTOR.
3. CONTRACTOR SHALL VERIFY PANEL VOLTAGES BEFORE BUYING LIGHT FIXTURES AND/OR WIRING DEVICES.

LIGHTING CODED NOTES

1. AUTOMATIC AND MANUAL LIGHTING CONTROL DEVICE WITHIN THE PRIVATE OFFICE SPACE ONLY CONTROLS FIXTURE WITHIN PRIVATE OFFICE SPACE.
2. PROVIDE AN ASTRONOMICAL TIMECLOCK FOR MAIN LOBBY, RECEPTION, MAIN CORRIDOR AREAS WITH MANUAL OVERRIDE. FIELD VERIFY FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.
3. LOCATION OF MANUAL LIGHT REDUCTION CONTROL DIMMER SWITCH.
4. DEDICATED JUNCTION BOX FOR OVERHEAD MEDICAL LIGHT. CONTRACTOR TO FIELD VERIFY FINAL LOCATION OF BOX PER MANUFACTURER INSTALLATION REQUIREMENTS.
5. LIGHTING MANUAL OVERRIDE SWITCH.
6. FIRE SPRINKLER TAMPER SWITCH. TIE TO THE FIRE ALARM FACP.

LIGHTING CONTROL S.O.O.:

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4. OCCUPANCY AND VACANCY SENSORS SHALL SHUT-OFF ALL LIGHTS IN THE AREA AFTER 20MINS. OF VACANCY.

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DRAWING TITLE
BASEMENT LIGHTING & FA DISTRIBUTION PLAN

SCALE 1/4" = 1'-0"
PROJECT No.
DATE NOV 2025
DRAWING No. E-2.1
SHEET No. 1

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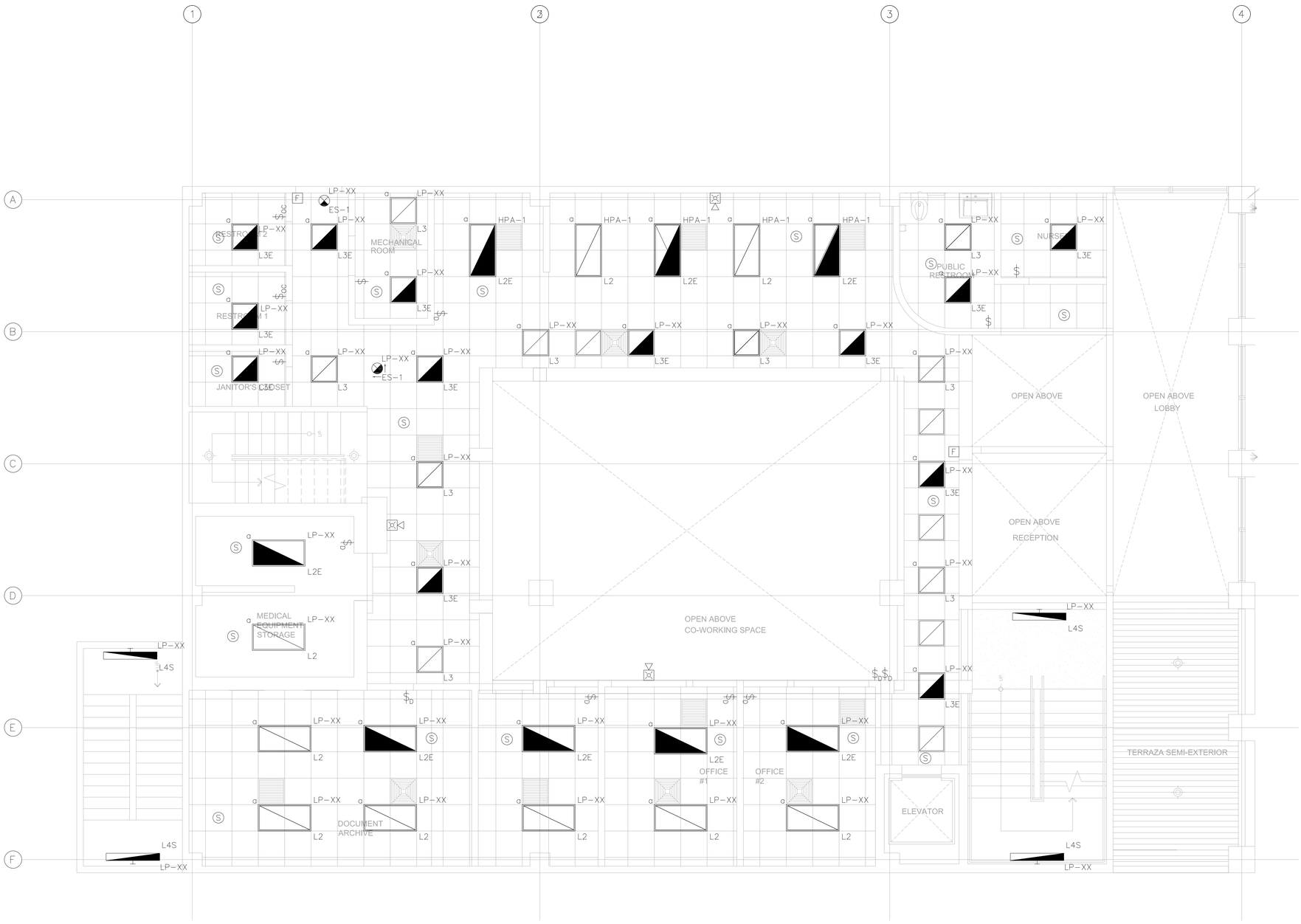

GROUND FLOOR LIGHTING DISTRIBUTION PLAN

SCALE 1/4" = 1'-0"

LIGHTING NOTES

1. ALL CIRCUIT BREAKER USED TO CONTROL LIGHTING CIRCUITS SHALL BE RATED FOR SWITCHING DUTY.
2. ALL LIGHTING FIXTURES SHALL BE U/L LISTED. FLUORESCENT BALLAST SHALL BE U/L APPROVED AND HAVE A HIGH POWER FACTOR.
3. CONTRACTOR SHALL VERIFY PANEL VOLTAGES BEFORE BUYING LIGHT FIXTURES AND/OR WIRING DEVICES.

LIGHTING CODED NOTES

1. AUTOMATIC AND MANUAL LIGHTING CONTROL DEVICE WITHIN THE PRIVATE OFFICE SPACE ONLY CONTROLS FIXTURE WITHIN PRIVATE OFFICE SPACE.
2. PROVIDE AN ASTRONOMICAL TIMECLOCK FOR MAIN LOBBY, RECEPTION, MAIN CORRIDOR AREAS WITH MANUAL OVERRIDE. FIELD VERIFY FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.
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4. OCCUPANCY AND VACANCY SENSORS SHALL SHUT-OFF ALL LIGHTS IN THE AREA AFTER 20MINS. OF VACANCY.

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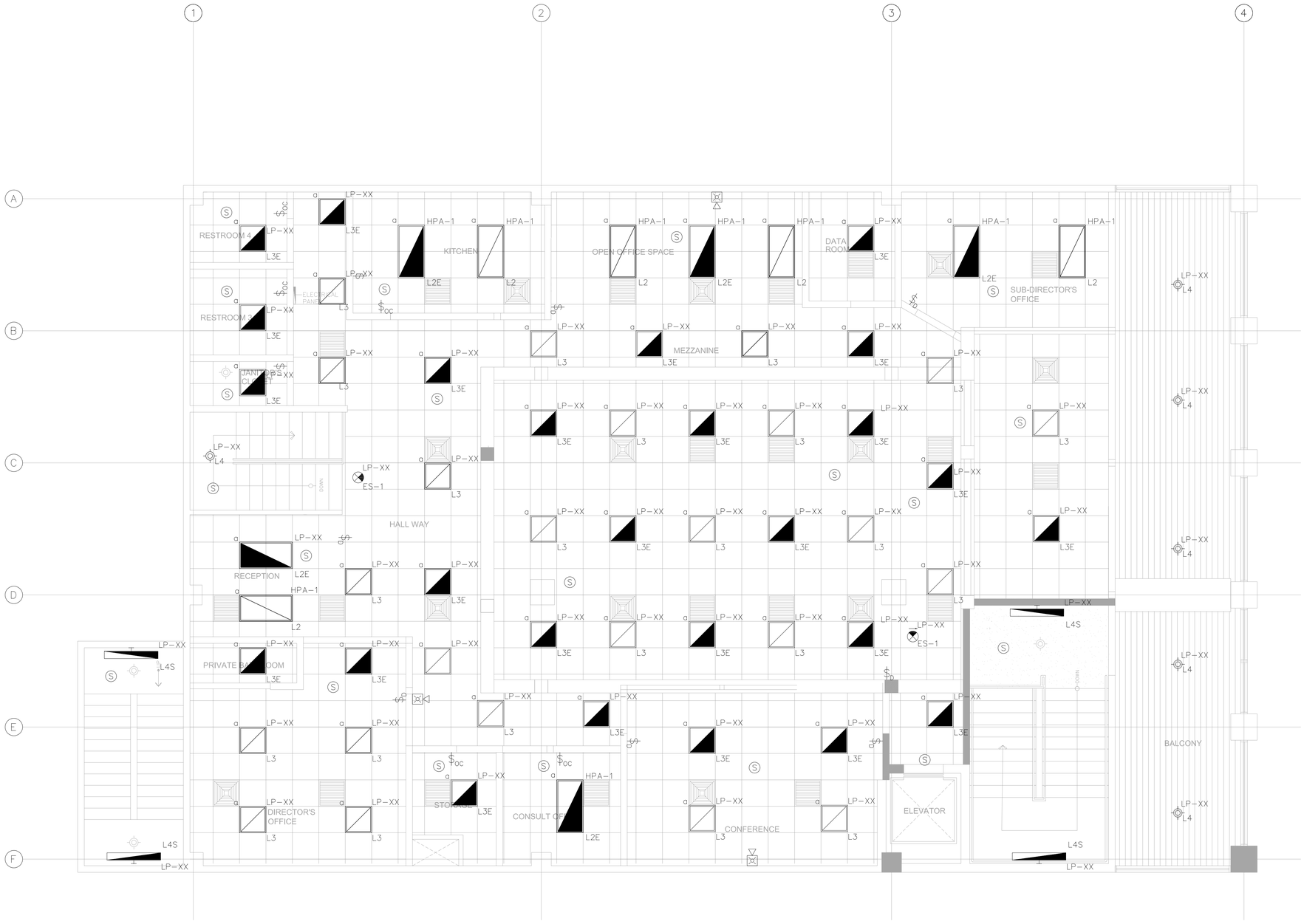
DRAWING TITLE

GROUND FLOOR LIGHTING & FA DISTRIBUTION PLAN

SCALE 1/4" = 1'-0"	DRAWING No. E-2.2
PROJECT No.	
DATE NOV 2025	SHEET No. 1



SECOND LIGHTING DISTRIBUTION PLAN

SCALE 1/4" = 1'-0"

LIGHTING NOTES

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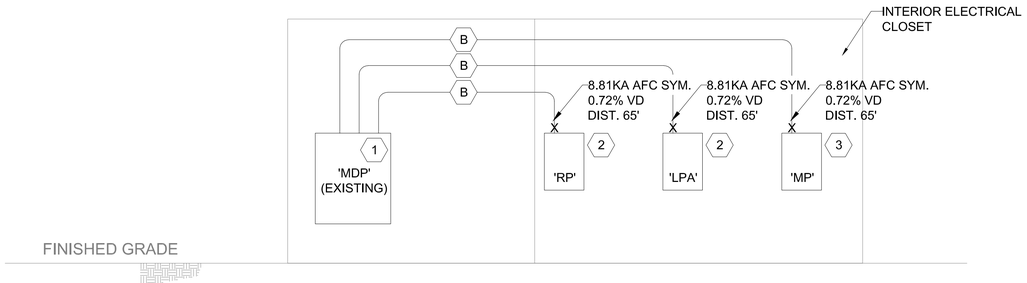
DRAWING TITLE

SECOND FLOOR LIGHTING & FA DISTRIBUTION PLAN

SCALE 1/4" = 1'-0"	DRAWING No. E-2.3
PROJECT No.	
DATE NOV 2025	SHEET No. 1



EQUIPMENT SCHEDULE:

(1) – EXISTING 'MDP' PANELBOARD TO REMAIN
120/240V - 1200A - 3P,4W - MCB
NEMA-1 W/ KEYED LOCK PROVISION
REFER TO PANEL SCHEDULE ON THIS SHEET FOR DETAILS.

(2) – NEW PANELBOARD
120/240V - 200A - 3P,4W - MLO
NEMA-1 W/ KEYED LOCK PROVISION
REFER TO PANEL SCHEDULE ON THIS SHEET FOR DETAILS.

(3) – NEW PANELBOARD
120/240V - 400A - 3P,4W - MLO
NEMA-1 W/ KEYED LOCK PROVISION
REFER TO PANEL SCHEDULE ON THIS SHEET FOR DETAILS.

(4) – NEW SURGE PROTECTIVE DEVICE TO BE INSTALLED ON ATS LOAD SIDE TERMINALS. DEVICE TO BE SIMILAR OR EQUAL TO PQ PROTECTION MODEL PQLA-240V.

(5) – 4" HOUSEKEEPING CONCRETE PAD

FEEDER SCHEDULE:

(A) – EXISTING INCOMING SERVICE FEEDER TO BE REPLACE WITH NEW 200A FEEDER. CONTRACTOR TO VERIFY EXISTING CABLE CONDITION AND INTEGRITY.

(B) – (3) #3/0 AWG CU - 600V THWN &
(1) #2 AWG CU - 600V XHHW GROUND ALL IN 2-1/2" PVC SCH-40 CONDUIT.

(C) – (1) #8-CU-600V-XHHW ROUTED INSIDE POLE AND TERMINATED IN POLE GROUNDING ROD.

(D) – COPPERWELD TYPE GROUND ROD, 3/4"x10'-0".

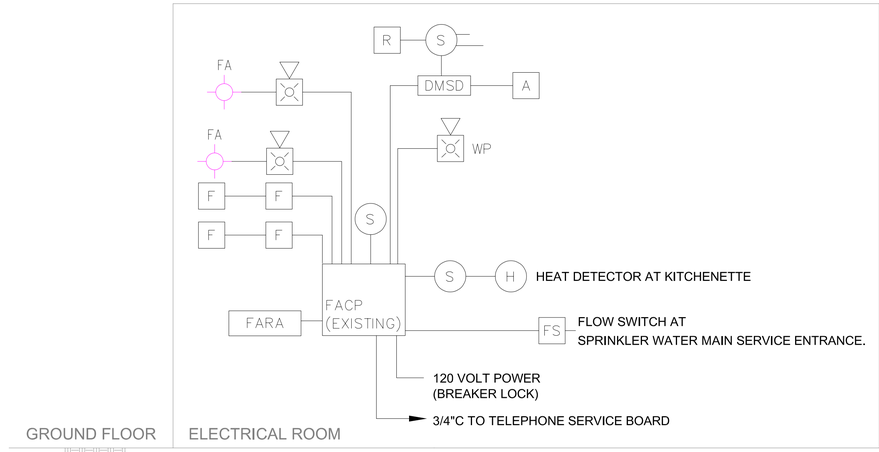
(F) – 1 - 1" PVC SCH-40 CONDUIT FOR GENSET COMMUNICATION WIRING.

IMPORTANT NOTES:

1) CONTRACTOR TO CONFIRM WITH LUMA SHORT CIRCUIT CURRENT RATING PRIOR TO ANY PURCHASES OR INSTALLATION. SHORT CIRCUIT RATING AND QUANTITIES SHOWN AT METER LOCATION ARE ASSUMED.
2) CONTRACTOR TO COORDINATE WITH OWNER ALL FUTURE LOAD CONDUITS TO BE INSTALLED FOR FUTURE ADDITION TO THE SYSTEM.
3) CONTRACTOR TO FIELD COORDINATE FINAL GENERATOR LOCATION WITH OWNER PRIOR TO ANY PURCHASES AND INSTALLATION.

ELECTRICAL ONE LINE DIAGRAM

SCALE: N.T.S.



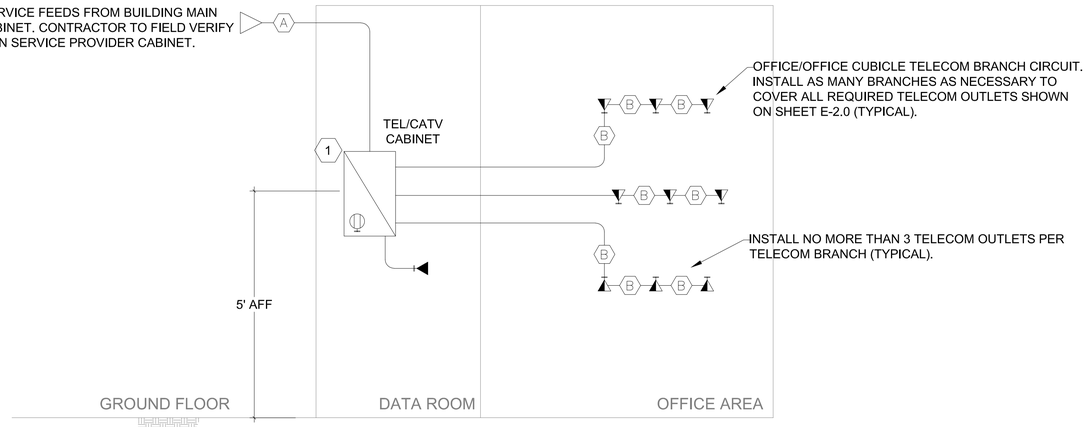
NOTE:

1. FIRE ALARM SYSTEM SHALL BE CONNECTED TO LOCAL FIRE DEPARTMENT EMERGENCY NOTIFICATION SYSTEM PER LOCAL REQUIREMENTS AND COORDINATED WITH THE OWNERS REPRESENTATIVE. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO INCLUDE ALL LABOR & MATERIALS NECESSARY FOR A FULLY FUNCTIONAL SYSTEM. ALL CONDUITS SHALL BE 3/4" MINIMUM AND PER VENDOR SHOP DRAWING.
2. CONTRACTOR TO FIELD VERIFY EXISTING FIRE ALARM CONDITIONS. IF POSSIBLE CONTRACTOR MAY RE-USE EXISTING DEVICES. CONTRACTOR TO ENSURE EXISTING DEVICES ARE COMPATIBLE WITH EXISTING SYSTEM AND IN ACCEPTABLE WORKING ORDER.
3. IF POSSIBLE CONTRACTOR MAY USE EXISTING BUILDING'S MAIN FACP AND FARA PANELS.
4. SYSTEM MUST BE WIRED IN SUCH A MANNER THAT IF ONE DEVICE INITIATES, ALL DEVICES MUST INITIATE, INCLUDING NOTIFICATION DEVICES.
5. CONTRACTOR TO FIELD VERIFY WITH OWNER LOCATION OF EXISTING BUILDING MAIN FIRE ALARM PANEL AND WIRE NEW DEVICES TO EXISTING PANEL ACCORDINGLY.

FIRE ALARM DIAGRAM (TYPICAL)

SCALE: N.T.S.

INCOMING TELECOM SERVICE FEEDS FROM BUILDING MAIN SERVICE PROVIDER CABINET. CONTRACTOR TO FIELD VERIFY FINAL LOCATION OF MAIN SERVICE PROVIDER CABINET.



OFFICE/OFFICE CUBICLE TELECOM BRANCH CIRCUIT. INSTALL AS MANY BRANCHES AS NECESSARY TO COVER ALL REQUIRED TELECOM OUTLETS SHOWN ON SHEET E-2.0 (TYPICAL).

INSTALL NO MORE THAN 3 TELECOM OUTLETS PER TELECOM BRANCH (TYPICAL).

EQUIPMENT SCHEDULE:

(1) – EXISTING TENANT PROVIDED TELECOMMUNICATIONS CABINET OR PANEL TO REMAIN. CONTRACTOR SHALL FIELD COORDINATE WITH OWNER/TENANT FINAL CABINET DIMENSIONS PRIOR TO ANY INSTALLATION.

CONDUIT SCHEDULE:

(A) – 2 - 2" EMT EMPTY CONDUITS WITH PULLWIRE.

(B) – 1" EMT EMPTY CONDUIT WITH PULLWIRE.

TELECOMUNICATION SINGLE-LINE DIAGRAM

SCALE: N.T.S.

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DRAWING TITLE
ELECTRICAL RISER,
TELECOM & FA DIAGRAMS

SCALE	DRAWING No.
1/4"=1'-0"	E-3.1
PROJECT No.	
DATE: NOV 2025	SHEET No. 1

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