



REPUBLIC OF THE PHILIPPINES
PHILIPPINE STATISTICS AUTHORITY

**CONSTRUCTION OF FIT-OUT AND LANDSCAPE WORKS FOR THE
TWENTY-THREE (23) STOREY PHILIPPINE STATISTICS AUTHORITY
(PSA) OFFICE BUILDING WITH COVERED ROOF DECK
PSA COMPLEX, EAST AVENUE, DILIMAN, QUEZON CITY**

**DETAILED ARCHITECTURAL AND ENGINEERING DESIGN (DAED)
E C E (AUXILIARY AND FDAS)**

NOTE:
PURSUANT TO SECTION 4 OF ANNEX "A" OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 5464, APPROVAL BY THE AUTHORIZED DPWH OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGN UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGN NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

THE DESIGN CONSULTANT SHALL BE HELD RESPONSIBLE FOR THE FAILURE OF THE FACILITY/ES / STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS.

DRAWINGS AND SPECIFICATIONS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE ARE PROPERTY AND DOCUMENTS OF THE ARCHITECT. WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNLAWFUL FOR ANY PERSON, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENTS, TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OF BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE.

ECE-01 GENERAL NOTES

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ALL ELECTRONICS WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE AND IMPLEMENT RULES AND REGULATIONS OF R.A. 9292, ECE LAW, PHILIPPINE ELECTRONICS CODE AND ORDINANCES OF THE LOCAL CODE ENDORCING AUTHORITIES AND THE REQUIREMENTS OF THE LOCAL EXCHANGE BARRIER (LEC) OR SERVICE PROVIDER FOR VOICE, DATA, AND VIDEO (CATV, INTERNET, VOIP, IPTV, ETC.).

- ALL ELECTRONICS WORKS HEREIN SHALL BE DONE UNDER THE DIRECT AND IMMEDIATE SUPERVISION OF A DULY QUALIFIED, LICENSED AND EXPERIENCED ELECTRONICS ENGINEER.
- ENTRANCE FACILITY CONDUIT FOR TELEPHONE OF SERVICE PROVIDERS SHALL BE DONE IN PVC PIPE FOR ALL EMBEDDED IN CONCRETE AND METALLIC CONDUIT FOR ALL EXPOSED CONDUIT INSTALLATION TO ENTRANCE FACILITY ROOM.
- ALL WIRING METHOD FOR FIRE DETECTION AND ALARM SYSTEM SHALL BE DONE IN METALLIC CONDUIT FOR ALL EMBEDDED IN CONCRETE, CONCEALED IN DROP CEILING AND FALSE WALLS, EXPOSED CONDUIT LAYOUT, AND CONDUIT RISERS.
- ALL WIRING METHOD FOR TELEPHONE, CATV STRUCTURED CABLING SYSTEMS, CCTV SYSTEM AND OTHER AUXILIARY SYSTEMS SHALL BE DONE IN PVC PIPE FOR ALL EMBEDDED IN CONCRETE SLAB AND METALLIC CONDUIT FOR CONCEALED IN DROP CEILING AND FALSE WALLS, EXPOSED CONDUIT LAYOUT, AND CONDUIT RISERS.
- ALL EXPOSED CONDUIT RUN SHALL BE INSTALLED PARALLEL TO OR PERPENDICULAR WITH BUILDING LINE AND SUPPORTED BY CONDUIT CLAMPS FOR EVERY 1.5METERS. DIAGONAL CONDUIT RUN SHALL BE UNACCEPTABLE.
- WHENEVER NECESSARY PULLBOX OF PROPER SIZE AND DIMENSION SHALL BE PROVIDED ALTHOUGH NOT INDICATED IN THE PLAN. ALL BOXES SHALL BE PROVIDED WITH HINGED TYPE METALLIC COVER.
- ALL JUNCTION, SQUARE AND UTILITY BOXES SHALL BE PROVIDED WITH METAL PLATE COVER.
- ALL CONDUIT SLEEVES, FLOOR PIPE CHASES AND WALL SLOT PENETRATIONS THROUGH TELECOM ROOM, MDF/DF ROOM WALLS, SHALL BE PROPERLY SEALED-OFF WITH FIRE RETARDANT MATERIAL TO MAINTAIN FIRE RESISTIVE RATING OF THE OPENING.
- ALL METALLIC CONDUITS, CABINETS, BOXES AND EQUIPMENT SHALL BE PROPERLY GROUNDED AND BONDED.
- ALL MATERIALS TO BE USED SHALL BE NEW AND APPROVED FOR THE LOCATION AND PURPOSES.
- ALL CONDUITS, BOXES AND SUPPORTS SHALL BE PAINTED AND COLOR CODED AS FOLLOWS:
CCTV, CATV AND TELEPHONE SYSTEM ----- ORANGE
FIRE ALARM SYSTEM ----- RED
- ALL EQUIPMENT, COMPONENTS, WIRING AND INSTALLATION OF ALL ITEMS DESCRIBED OR IMPLIED IN THE PLANS SHALL BE NEW, UNDERWRITER'S LABORATORY (UL) LISTED AND APPROVED.
- THE CONTRACTOR/INSTALLER SHALL FULLY COORDINATE THE DESIGN, EQUIPMENT, DEVICES, WIRING, CONNECTION OF ALL ELECTRONIC SYSTEMS WITH THE PROJECT MANAGER THROUGHOUT EACH DEVELOPMENTAL PHASE OR STAGE OF THE PROJECT.
- THE INSTALLATION OF EACH SYSTEM COMPONENT, ASSOCIATED EQUIPMENT AND WIRINGS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION AND INSTRUCTION.
- THE CONTRACTOR / INSTALLER SHALL OBSERVE PROPER INSTALLATION PRACTICES AND ADHERE TO CABLE MANUFACTURER'S REQUIREMENT FOR BENDING RADIUS, MAXIMUM PULLING TENSION, CABLE SLACK, CABLE FILL, ETC.
- THE ELECTRONICS CONTRACTOR SHALL SECURE ALL WIRING PERMITS AND ALL FEES REQUIRED FOR THE WORK INCLUDING FINAL CERTIFICATES OF ELECTRONICS INSPECTION AND APPROVAL FROM PROPER AUTHORITIES FOR COMPLETION OF WORK.
- THE ELECTRONICS CONTRACTOR SHALL REFER TO INTERIOR DESIGN AND ARCHITECTURAL PLAN FOR THE EXACT LOCATION, MOUNTING HEIGHT, SPACING, SPECIFICATIONS AND QUANTITY OF ALL VISIBLE WIRING DEVICES, LIGHTING FIXTURES, SMOKE/HEAT DETECTORS, SPEAKERS AND PANEL, ETC. IN CASE OF DISCREPANCY, LATEST INTERIOR DESIGN/DRAWINGS AND ARCHITECTURAL PLANS SHALL GOVERN.
- THE ELECTRONICS CONTRACTOR SHALL PROVIDE SHOP DRAWING IN ANY CHANGES IN MOUNTING HEIGHT OR LOCATION FOR THE APPROVAL OF ARCHITECT OR ENGINEER.
- ANY DISCREPANCIES BETWEEN PLANS AND SPECIFICATION, CONFLICT WITH OTHER TRADE OR SITE CONDITION SHALL BE REFERRED TO ENGINEER AND/OR ARCHITECT.
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- THE ELECTRONICS CONTRACTOR IS REQUIRED TO VISIT THE SITE TO ASSERT HIMSELF TO THE LOCAL CONDITIONS THAT MAY AFFECT HIS WORK.
- THE CONTRACTOR / INSTALLER SHALL BE RESPONSIBLE TO CONDUCT ALL ACCEPTANCE TESTING WITH THE APPROVED AND CALIBRATED TESTING EQUIPMENT IN THE PRESENCE OF THE AUTHORIZED CUSTOMER REPRESENTATIVE AND PROJECT MANAGER.
- THE INSTALLATION, WORKMANSHIP, TESTING AND DOCUMENTATION AD ADMINISTRATION SHALL BE OF THE HIGHEST QUALITY.
- MOUNTING HEIGHT NOT SHOWN ON PLANS ARE AS FOLLOWS:

- TELEPHONE JACK ----- 1.40 METER ABOVE FLOOR FINISH AT CENTER UNLESS OTHERWISE INDICATED BY THE FIELD CONDITIONS.
- MANUAL PULL STATION ----- 1.40 METER ABOVE FLOOR FINISH AT CENTER UNLESS OTHERWISE INDICATED BY THE FIELD CONDITIONS.
- STROBE LIGHT ----- 2.10 METER ABOVE FLOOR FINISH AT CENTER UNLESS OTHERWISE INDICATED BY THE FIELD CONDITIONS.

REFER TO SPECIFICATIONS FOR IMPORTANT NOTES ASSOCIATED WITH THE ELECTRONICS AND COMMUNICATION SYSTEMS OF THE BUILDING.

NOTE:
PURSUANT TO SECTION 4 OF ANNEX "A" OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9194, APPROVAL BY THE AUTHORIZED DPWH OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGN UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGN NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

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ECE-01 NOTES FOR STRUCTURED CABLING SYSTEM

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- ALL STRUCTURED CABLING WORKS SHALL COMPLY WITH ANSI/TIA/EIA-COMMERCIAL BUILDING TELECOMMUNICATIONS STANDARD OR ISO/IEC11801-GENERIC CABLING STANDARDS FOR CUSTOMER PREMISES.
- WIREWAYS, PATHWAYS AND CABLE TRUNKING FOR VOICE/DATA AND VIDEO SHALL BE COORDINATED WITH OTHER TRADES TO AVOID ANY CONFLICT OR OBSTRUCTION.
- THE STRUCTURED CABLING SYSTEM SHALL COMPLY WITH ANSI STD 607-A -COMMERCIAL BUILDING GROUNDING, EARTHING AND BONDING REQUIREMENTS FOR TELECOMMUNICATION.
- PROPER INSTALLATION PRACTICES FOR CABLE PATHWAYS, CABLE FILL & SLACK, PULLING TENSION WORK AREA TERMINATION, BENDING RADIUS AND OTHER RELATED STANDARD PRACTICES.
- SYSTEM WARRANTY OF A MINIMUM 20 YEARS SHALL BE ISSUED BY THE CABLING SYSTEM MANUFACTURER UPON SUBMISSION OF CERTIFICATION DOCUMENTS AND TEST RESULTS BY THE CONTRACTOR OR CERTIFIED INSTALLER.

ECE-01 NOTES FOR FDAS

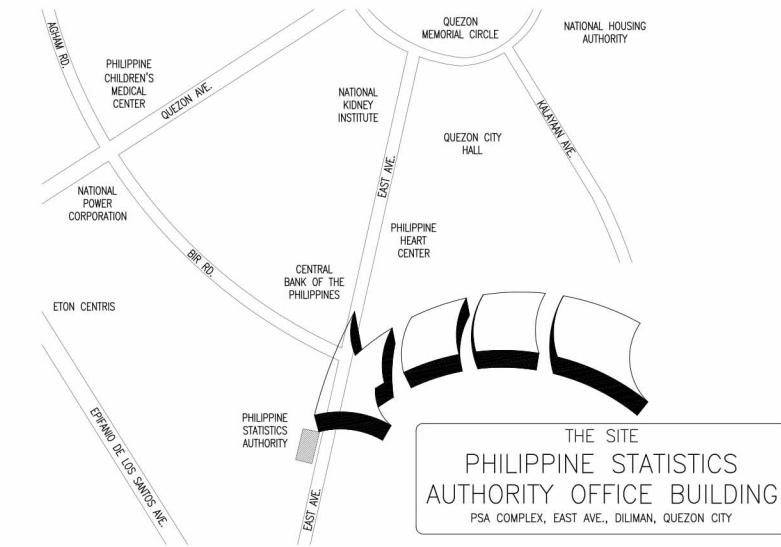
3

- SMOKE DETECTORS SHALL BE PROVIDED BY CONTRACTOR WHICH WILL INCLUDE WIRING AND CONDUIT FOR ADDITIONAL ADDRESSABLE CONTROL DEVICES IN THE FDAS CONTROL PANEL.
- ALL ADDRESSABLE SMOKE DETECTORS INDICATED IN THE BUILDING PLAN SHALL BE RELOCATED AS AFFECTED BY ACTUAL SITE CONDITION.
- THE FDAS CONTRACTOR SHALL BE PROPERLY COORDINATED IN ANY CHANGES IN THE SMOKE DETECTOR LAYOUT AS WELL AS WIRING CONNECTION.
- USE CABLE INTENDED FOR FIRE ALARM SYSTEM UI/NEC LISTED. (FPL, FPLR, FPLP)

ECE-01 LEGEND

4

- DOME TYPE IP-CCTV VIDEO SURVEILLANCE CAMERA
- GUN TYPE IP-CCTV VIDEO SURVEILLANCE CAMERA "PTZ" INDICATE PAN, TILT, ZOOM
- DATA OUTLET (D.O.)
- JUNCTION BOX WITH COVER
- NETWORK VIDEO RECORDER (NVR)
- FIRE ALARM CONTROL PANEL
- PULLBOX
- WALL MOUNTED TELEPHONE OUTLET
- CEILING MOUNTED POE WIRELESS ACCESS POINT
- SMOKE DETECTOR, "A" DENOTES ADDRESSABLE, "C" DENOTES CONVENTIONAL, "S" WITH BASE SOUNDER FOR RES'L UNIT
- DUCT SMOKE DETECTOR
- ADDRESSABLE HEAT DETECTOR
- ANNUNCIATOR
- CEILING MOUNTED FIRE ALARM SPEAKER
- WALL MOUNTED FIRE ALARM SPEAKER WITH STROBE LIGHT
- ADDRESSABLE MANUAL PULL STATION
- WATER FLOW SWITCH
- TAMPER SWITCH
- ADDRESSABLE INTERFACE MODULE
- MOTOR DAMPER

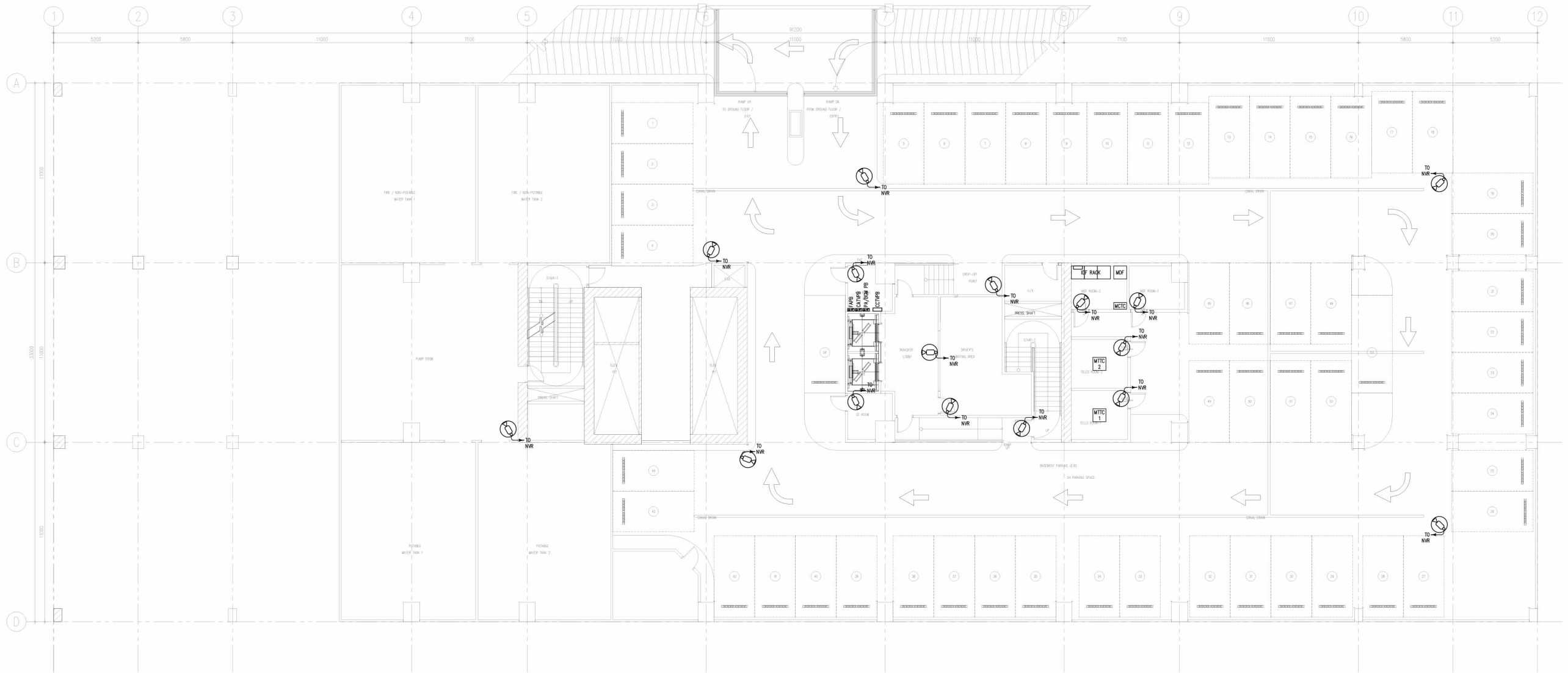


ECE-01 VICINITY MAP

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NOT TO SCALE

<p>TOKWING CONSTRUCTION CORPORATION Lod 35, Rodriguez Drive, Rodriguez Subdivision, Marikina, Quezon City Tel No. (832) 867-8089 Email: tokwingcorp@yahoo.com</p>	<p>ENRIQUE O. OLANAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS Suite 205, Zovareville Square Condominium, No.30 Zovareville Ave Loyola Heights, Quezon City Tel No. (832) 7917-5359 Email: enolansdesign@gmail.com</p>	<p>CONSULTANT: EFRHEN T. PINEDA PROFESSIONAL ELECTRONICS ENGINEER REG. NO. : 0000494 VALIDITY : 12/13/2022 PES NO. : 246362 EXPIRE : 01/03/2022 PLACE : QUEZON CITY TR. NO. 106-351-490</p>	<p>CHECKED: JOSE MANUEL AGUIBALDO PROJECT MANAGER II BUILDING & SPECIAL PROJECTS MANAGEMENT CLUSTER UNIFIED PROJECT MANAGEMENT OFFICE, DPWH</p>	<p>REVIEWED: ATTY. JOHNSON V. DOMINCO PROJECT DIRECTOR BUILDING & SPECIAL PROJECTS MANAGEMENT CLUSTER UNIFIED PROJECT MANAGEMENT OFFICE, DPWH</p>	<p>RECOMMENDING APPROVAL: REYNOR R. IMPERIAL DIRECTOR II PLANNING AND MANAGEMENT SERVICE CO-HEAD, PSA-BCOM</p>	<p>APPROVED: SOCRATES L. RAMONES DIRECTOR IV ASSISTANT SECRETARY FINANCE AND ADMINISTRATIVE SERVICE HEAD, PSA-BCOM</p>	<p>LEO B. MALAGAR DIRECTOR III ASSISTANT SECRETARY DEPUTY NATIONAL STATISTICIAN CIVIL REGISTRATION & CENTRAL SUPPORT OFFICE</p>	<p>USEC. CLAIRE DENNIS S. MAPA, PH. D. NATIONAL STATISTICIAN AND CIVIL REGISTRAR GENERAL PHILIPPINE STATISTICS AUTHORITY</p>	<p>PROJECT: CONSTRUCTION OF FIT-OUT AND LANDSCAPE WORKS FOR THE TWENTY-THREE (23) STOREY PHILIPPINE STATISTICS AUTHORITY (PSA) OFFICE BUILDING WITH COVERED ROOF DECK</p>	<p>LOCATION: PSA COMPLEX, EAST AVENUE, DILIMAN, QUEZON CITY</p>	<p>SHEET CONTENT: AS SHOWN</p>	<p>DESIGNER : JBC CAD : JBC CHECKED : ETP DATE : FEB. 2022</p>	<p>REVISIONS</p> <table border="1"> <tr><th>SYMBOL</th><th>REMARK</th><th>DATE</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	SYMBOL	REMARK	DATE							<p>SHEET NO. ECE-01</p>
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ECE-02 BASEMENT AUXILIARY SYSTEM LAYOUT
 1 SCALE: 1:100M

NOTE:
 PURSUANT TO SECTION 4 OF ANNEX "A" OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9164, APPROVAL BY THE AUTHORIZED DPWH OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGN UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGN NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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TC TOKWING CONSTRUCTION CORPORATION <small>Lot 35, Rodriguez Drive, Rodriguez Subdivision, Quezon City</small> <small>Tel No. (832) 867-8069 Email: tokwingcorp@yahoo.com</small>	ENRIQUE O. OLANAN & ASSOCIATES ARCHITECTS ENGINEERS CONSULTANTS <small>Suite 205, Zouaveville Square Condominium, No.30 Zouaveville Ave. Loyola Heights, Quezon City</small> <small>Tel No. (832) 7917-5559 Email: eolanan@enrdesign.com</small>	CONSULTANT: EFREN T. PINEDA PROFESSIONAL ELECTRONICS ENGINEER <small>REG. NO. : 0000484 VALIDITY : 12/13/2022</small> <small>PTS NO. : 2403662 DATE : 01/03/2022</small> <small>PLACE QUEZON CITY TR. NO. 106-351-480</small>	CHECKED: JOSE MANUEL AGUIBALDO PROJECT MANAGER II BUILDING & SPECIAL PROJECTS MANAGEMENT CLUSTER UNIFIED PROJECT MANAGEMENT OFFICE, DPWH	REVIEWED: ATTY. JOHNSON V. DOMINCO PROJECT DIRECTOR BUILDING & SPECIAL PROJECTS MANAGEMENT CLUSTER UNIFIED PROJECT MANAGEMENT OFFICE, DPWH	RECOMMENDING APPROVAL: REYNOR R. IMPERIAL DIRECTOR III PLANNING AND MANAGEMENT SERVICE CO-HEAD, PSA-BOCM	APPROVED: SOCRATES L. RAMORES DIRECTOR IV ASSISTANT NATIONAL STATISTICIAN FINANCE AND ADMINISTRATIVE SERVICE HEAD, PSA-BOCM	APPROVED: LEO B. MALAGAR ASSISTANT SECRETARY DEPUTY NATIONAL STATISTICIAN CIVIL REGISTRATION & GENERAL SUPPORT OFFICE	PROJECT: CONSTRUCTION OF FIT-OUT AND LANDSCAPE WORKS FOR THE TWENTY-THREE (23) STOREY PHILIPPINE STATISTICS AUTHORITY (PSA) OFFICE BUILDING WITH COVERED ROOF DECK LOCATION: PSA COMPLEX, EAST AVENUE, DILIMAN, QUEZON CITY	SHEET CONTENT: AS SHOWN	DESIGNER: JBC CAD: JBC CHECKED: ETP DATE: FEB. 2022	REVISIONS: <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>REMARK</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	SYMBOL	REMARK	DATE							SHEET NO.: ECE-02
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