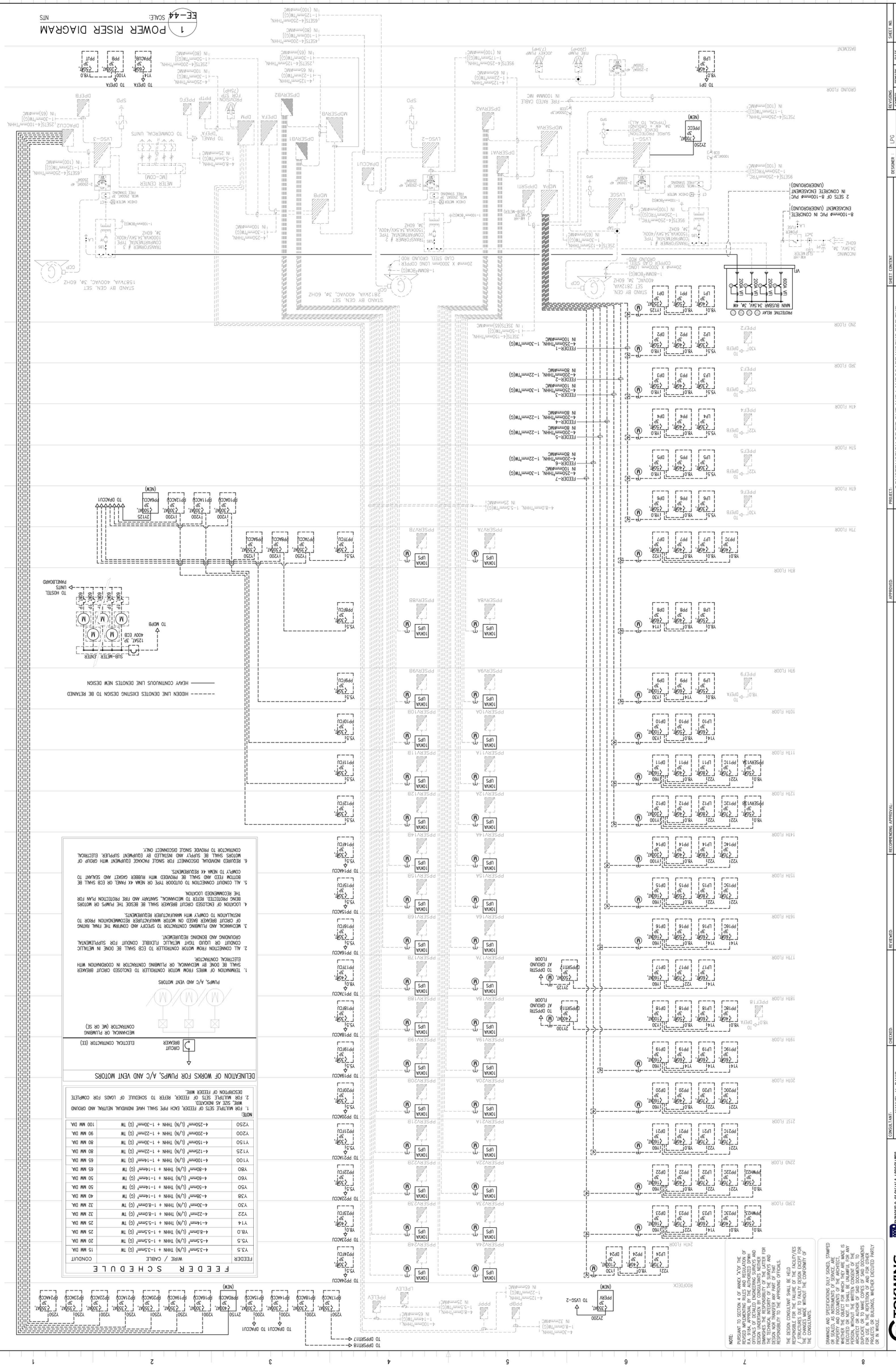
1 POWER RISER DIAGRAM

EE-44 SCALE: NTS



FEEDER SCHEDULE

FEEDER	WIRE / CABLE	CONDUIT
Y3.5	4–3.5mm² (L/N) THHN + 1–3.5mm² (G) TW	15 MM DIA.
Y5.5	4–5.5mm² (L/N) THHN + 1–5.5mm² (G) TW	20 MM DIA.
Y8.0	4–8.0mm² (L/N) THHN + 1–5.5mm² (G) TW	25 MM DIA.
Y14	4–14mm² (L/N) THHN + 1–5.5mm² (G) TW	25 MM DIA.
Y22	4–22mm² (L/N) THHN + 1–8.0mm² (G) TW	32 MM DIA.
Y30	4–30mm² (L/N) THHN + 1–8.0mm² (G) TW	32 MM DIA.
Y38	4–38mm² (L/N) THHN + 1–14mm² (G) TW	40 MM DIA.
Y50	4–50mm² (L/N) THHN + 1–14mm² (G) TW	50 MM DIA.
Y60	4–60mm² (L/N) THHN + 1–14mm² (G) TW	50 MM DIA.
Y80	4–80mm² (L/N) THHN + 1–14mm² (G) TW	65 MM DIA.
Y100	4–100mm² (L/N) THHN + 1–14mm² (G) TW	65 MM DIA.
Y125	4–125mm² (L/N) THHN + 1–22mm² (G) TW	80 MM DIA.
Y150	4–150mm² (L/N) THHN + 1–30mm² (G) TW	80 MM DIA.
Y200	4–200mm² (L/N) THHN + 1–22mm² (G) TW	90 MM DIA.
Y250	4–250mm² (L/N) THHN + 1–30mm² (G) TW	100 MM DIA.

NOTES:
1. FOR MULTIPLE SETS OF FEEDER, EACH PIPE SHALL HAVE INDIVIDUAL NEUTRAL AND GROUND WIRE, SIZE AS INDICATED.
2. FOR MULTIPLE SETS OF FEEDER, REFER TO SCHEDULE OF LOADS FOR COMPLETE DESCRIPTION OF FEEDER WIRE.

DELINEATION OF WORKS FOR PUMPS, A/C AND VENT MOTORS

1. TERMINATION OF WIRES FROM MOTOR CONTROLLER TO ENCLOSED CIRCUIT BREAKER SHALL BE DONE BY MECHANICAL OR PLUMBING CONTRACTOR IN COORDINATION WITH ELECTRICAL CONTRACTOR.
2. ALL CONNECTION FROM MOTOR CONTROLLER TO ECB SHALL BE DONE IN METALLIC CONDUIT OR LIQUID TIGHT METALLIC FLEXIBLE CONDUIT FOR SUPPLEMENTAL GROUNDING AND BONDING REQUIREMENT.
3. MECHANICAL AND PLUMBING CONTRACTOR TO SPECIFY AND CONFIRM THE FINAL RATING OF CIRCUIT BREAKER BASED ON MOTOR MANUFACTURER RECOMMENDATION PRIOR TO INSTALLATION TO COMPLY WITH MANUFACTURER REQUIREMENTS.
4. LOCATION OF ENCLOSED CIRCUIT BREAKER SHALL BE BESIDE THE PUMPS OR MOTORS BEING PROTECTED. REFER TO MECHANICAL, SANITARY AND FIRE PROTECTION PLAN FOR THE RECOMMENDED LOCATION.
5. ALL CONDUIT CONNECTION TO OUTDOOR TYPE OR NEMA 4X PANEL OR ECB SHALL BE BOTTOM FEED AND SHALL BE PROVIDED WITH RUBBER GASKET AND SEALANT TO COMPLY TO NEMA 4X REQUIREMENTS.
6. REQUIRED INDIVIDUAL DISCONNECT FOR SINGLE PACKAGE EQUIPMENT WITH GROUP OF MOTORS SHALL BE SUPPLY AND INSTALLED BY EQUIPMENT SUPPLIER. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE DISCONNECT ONLY.

NOTE:

PURSUANT TO SECTION 4 (F' ANNEX "A" OF THE IMPLEMENTING RULES AND REGULATIONS OF R.A. 9184, APPROVAL BY THE AUTHORIZED (DPWH) OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGN ANALYSES SHALL NOT RELIEVE NOR DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGN ANALYSES NOR SHALL IT INCREASE RESPONSIBILITY TO THE APPROVING OFFICIALS.

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

DRAWINGS AND SPECIFICATIONS (FULLY SIGNED, STAMPED OR SEALED), AS INSTRUMENTS OF SERVICE, ARE PROPERTY AND DOCUMENTS OF THE ARCHITECT, WHETHER THE PROJECT FOR WHICH THEY WERE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT, TO COPY OR REPRODUCE IN ANY MANNER, DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS AND/OR CHANGE ANY INFORMATION THEREIN, FOR USE BY ANY PERSON OR ENTITY OTHER THAN THE ARCHITECT OR IN WHOLE.

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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: POWER RISER DIAGRAM

DESIGNER :	LPG
CAD :	LPG
CHECKED :	M.VP
DATE :	FEB. 2022

REVISIONS	REMARK	DATE
SYMBOL		

SHEET NO. EE-44