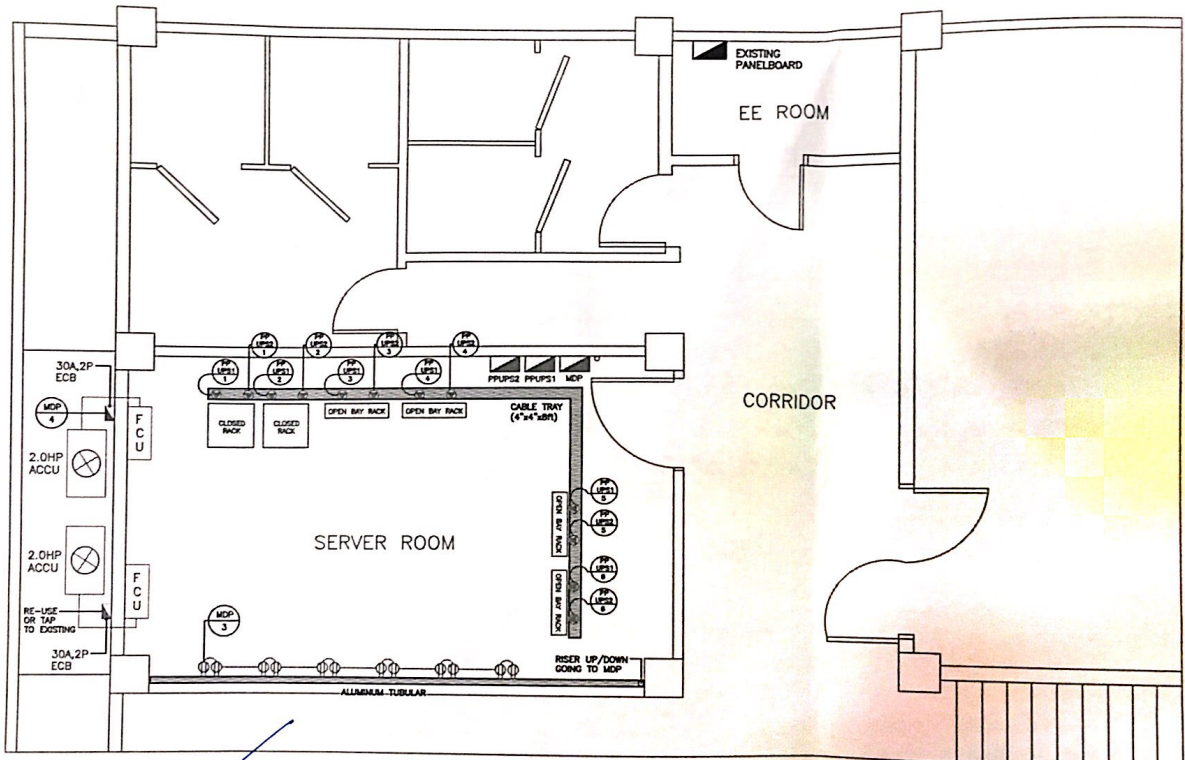


LEGEND:

- 30A, TWIST-LOCK OUTLET
- DUPLEX OUTLET
- 30A, 2P ECB
- HOME RUN CKT.
- FCU INDOOR UNIT
- ACCU OUTDOOR UNIT
- PANEL BOARD



LORINA T. ALCID
OIC, IMS

AR ALLEN R. BUENAVENTURA, MCM
Chief, CPDMO

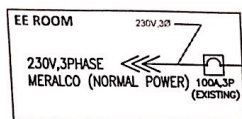
MICHAEL L. TEE, MD. MHTed
Chief, CPDMO

REMIATO B. REMORQUE
Engineer I, CPDMO

REV.	DESCRIPTION	DATE	DWN	CHKD	APPD
01	ISSUED FOR PROPOSAL	13 OCT. 2017	AAG	PIS	

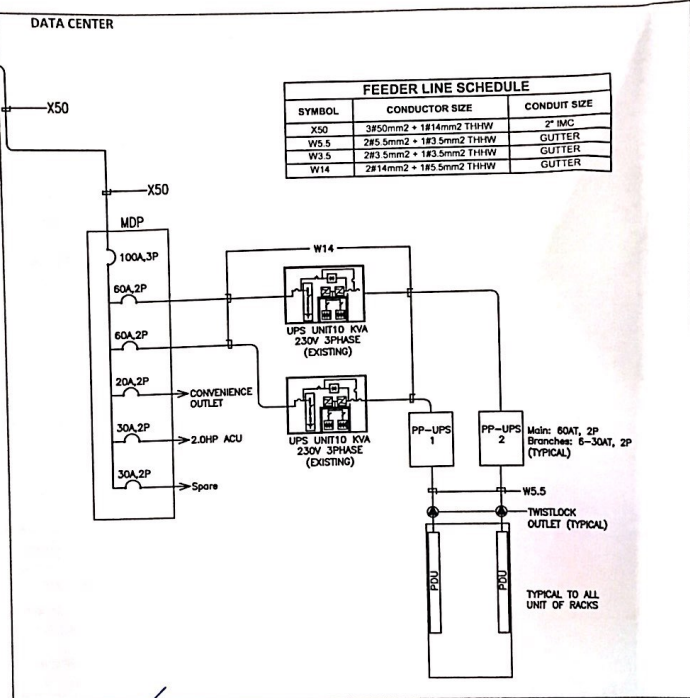
PROPOSED ELECTRICAL LAYOUT PLAN

PROJECT TITLE:		PROPOSED TRANSFER OF COMPUTER CENTER TO INFORMATION TECHNOLOGY CENTER	
OWNER / CLIENT'S NAME:		UP MANILA	
SITE LOCATION:		Padre Faura at Manila City	
REF. NO.:	SCALE:	NTS	SHEET: 1 OF 1



DATA CENTER

FEEDER LINE SCHEDULE		
SYMBOL	CONDUCTOR SIZE	CONDUIT SIZE
X50	3#50mm ² + 1#14mm ² THHW	2" IMC
W5.5	2#5.5mm ² + 1#3.5mm ² THHW	GUTTER
W3.5	2#3.5mm ² + 1#3.5mm ² THHW	GUTTER
W14	2#14mm ² + 1#5.5mm ² THHW	GUTTER



cm
LORINA T. ALCID
OIC, IMS

MICHAEL L. TEE, M.D., M.P.H.
Vice-Chancellor for Planning & Dev.

2/22/18
RENATO B. REMORQUE
Engineer I, CPDMO

AR ALLEN R. BUENAVENTURA, MCM
Chief, CPDMO

SYSTEM DESIGN DIAGRAM

REV.	DESCRIPTION	DATE	OWN	CHKD	APPD
01	ISSUED FOR PROPOSAL	13 OCT 2017	AMG	PBS	

PROJECT TITLE:		PROPOSED TRANSFER OF COMPUTER CENTER TO INFORMATION TECHNOLOGY CENTER	
OWNER / CLIENT'S NAME:		UP MANILA	
SITE LOCATION:		Padre Faura st. Manila City	
REF. NO.:	SCALE: NTS	SHEET: 1 OF 1	

II. SCOPE OF WORKS:

SCOPE OF WORKS:	
1.0	Electrical work requirements for the proposed new server room
2.0	All electrical installations shall be done in good engineering practice & workmanship and in accordance with the applicable requirements of the latest edition of the Philippine Electrical Code, National Building Code of the Philippines, the rules and regulations of the local building officials of the City and the requirements of the power company/utility.
3.0	Supply and installation of roughing-in materials such as Cable Gutter, Pipes, and boxes, including all necessary supports, brackets, hangers, fittings and accessories.
4.0	Supply and installation of wiring devices such as twistlocks and C.O.'s.
5.0	Supply, pulling, harnessing and termination of 50mm ² , 14mm ² , 8.0mm ² , 5.5mm ² & 3.5mm ² THHN Wire for branch circuits and feeder lines wires.
6.0	Supply and installation of Panel Boards and ECB
7.0	Supply and installation of required grounding system for data rack.
8.0	Supply and installation of one (1) 2.0HP split type wall mounted ACU.
9.0	Restoration of all damaged areas affected by civil construction works such as poke-thru holes, chipping, provisions of access handhole/ manhole and painting works on the affected area only.
10.0	Tagging of wires and devices for easy identification.
11.0	Testing and Commissioning of all installed wiring system.
12.0	Documentation and Acceptance of the project.

ASSUMPTIONS:	
1.0	Utilize / re-use existing UPS provided by client.
2.0	Utilize / re-use existing Closed & Open bay data rack provided by client.
3.0	Utilize / re-use existing split type acu unit inside the server room.
4.0	New MDP panel tap to existing main mdp panel at bldg. ee room at groun floor.
5.0	Grounding system to tapped to existing building grounding system
6.0	Chipping works is allowed by the client.
7.0	Cladding of walls & columns for conduits concealment will be provided by the client's CIVIL Contractor.
8.0	Activation of voice & data lines on the TELCO Side will be provided by the client's TELCO Provider.
9.0	For the Terminal blocks, Tie cables & PABX Equipment will be provided by the client's PABX Contractor.
10.0	The given scope of work is based on the floor plan, design and any related information provided by the customer to the supplier for this engagement.
11.0	Any changes in the given information and plans shall be charged accordingly to the customer and treated as additional scope of works.

TERMS AND CONDITION:

1. VAT inclusive
2. Project duration: 30 calendar days

Prepared by:

on
LORINA T. ALCID
 Officer-in-Charge, IMS

Certified correct:

[Signature]
ALLEN R. BUENAVENTURA
 Chief, CPDMO

[Signature]
RENATO B. REMORQUE
 Engineer I, CPDMO