1
A-1

GROUND FLOOR
SITE LOCATION
SCALE: NTS

PROJECT TITLE	SHEET NO.	DRAWN BY:	CHECK BY	VERIFIED BY	NOTED BY	RECOMMENDING APPROVAL	APPROVED BY:
RENOVATION .OF WEATHER DIVISION STUDIO	A-1						
LOCATION FIRST FLOOR PAGASA, WFFC COMPOUND, AGHAM RD., DILIMAN, QUEZON CITY		LALAINE BLANCO JO	ROMEO M. PELAGIO OIC, INFRA UNIT, ETSD	JESSIE B. ARCE CHIEF, MEIES, ETSD	EDWIN F. MANRESA CHIEF, ETSD	CATALINO L. DAVIS DA, AES	DR. VICENTE B. MALANO ADMINISTRATOR

1 / A-2 PLAN

SCALE: NTS

SCHEDULE OF DOOR

DOOR MARK	D 01
LOCATION	STUDIO, LOCKER
DESCRIPTION	INSULATED SWING DOOR WITH FIXED TEMPERED GLASS
NO. OF SETS	TWO (2)
USE	WITH ACOUSTIC DOOR BOTTOM DROP SEAL AND SEALED WITH SOUNDPROOF RUBBER SEAL FOR SOUNDPROOFING AND COLLISION GLASSCOLOR: CLEAR/ FROSTED
HARDWARE	STAINLESS STEEL LEVER HANDLE ON ESCUTCHEON (LATCH BOLT & DEADBOLT); STAINLESS STEEL & CHROME PLATED HYDRAULIC DOOR CLOSER – RACK AND PINION DESIGN HIGH PRESSURE DIECAST ALUMINUM BODY STAINLESS DOOR HINGES

DRY WALL DETAIL

SLIDING CABINET

PROJECT TITLE	SHEET NO.	DRAWN BY:	CHECK BY	VERIFIED BY	NOTED BY	RECOMMENDING APPROVAL	APPROVED BY:
RENOVATION OF WEATHER DIVISION STUDIO	A-2						
LOCATION FIRST FLOOR PAGASA, WFFC COMPOUND, AGHAM RD., DILIMAN, QUEZON CITY		LALAINE D. BLANCO JO	ROMEO M. PELAGIO OIC, INFRA UNIT, ETSD	JESSIE B. ARCE CHIEF, MEIES, ETSD	EDWIN F. MANRESA CHIEF, ETSD	CATALINO L. DAVIS DA, AES	DR. VICENTE B. MALANO ADMINISTRATOR

1 A-3 SECTION A
SCALE: NTS

2 A-3 SECTION B
SCALE: NTS

3 A-3 SECTION C
SCALE: NTS

PROJECT TITLE	SHEET NO.	DRAWN BY:	CHECK BY	VERIFIED BY	NOTED BY	RECOMMENDING APPROVAL	APPROVED BY:
RENOVATION OF WEATHER DIVISON STUDIO	A-3						
LOCATION PAGASA, WFFC COMPOUND, AGHAM RD., DILIMAN, QUEZON CITY		LALAINE BLANCO JO	ROMEO M. PELAGIO OIC, INFRA UNIT, ETSD	JESSIE B. ARCE CHIEF, MEIES, ETSD	EDWIN F. MANRESA CHIEF, ETSD	CATALINO L. DAVIS DA, AES	DR. VICENTE B. MALANO ADMINISTRATOR

LIGHTING LAYOUT
SCALE: NTS

POWER LAYOUT
SCALE: NTS

PROJECT TITLE	SHEET NO.	DRAWN BY:	CHECK BY	VERIFIED BY	NOTED BY	RECOMMENDING APPROVAL	APPROVED BY:
TITLE	E-1						
LOCATION FIRST FLOOR PAGASA, WFFC COMPOUND, AGHAM RD., DILIMAN, QUEZON CITY		AARON CHESTER M. CRUZ WOA, METTSS, ETSD	DIOSDADO S. ORNUM WFS-III, METTSS, ETSD	JESSIE B. ARCE CHIEF, MEIES, ETSD	EDWIN F. MANRESA CHIEF, ETSD	CATALINO L. DAVIS DA, AES	DR. VICENTE B. MALANO ADMINISTRATOR

SINGLE LINE DIAGRAM
SCALE NTS

PANEL: **Studio PDB** (existing) ENCLOSURE: NEMA 1
MOUNTING: Surface-Mounted LOCATION: **Studio room**, Ground Floor, DIC Bldg.

CIRCUIT NO.	LOAD DESCRIPTION	A	B	C	3Ø	V	A	SIZE OF WIRE THHN	SIZE OF WIRE TW	SIZE OF CONDUIT	C.B. RATING AT	C.B. RATING AF	C.B. RATING P	LOCATION
1	Existing Load	1500				230	6.52				30	60	2	Satellite Office
2	8 - Convenience Outlet	1280				230	5.57	2-3.5mm²	1-2.0mm²	15mmØ	30	60	2	Studio Area
3	11 - 23W Pin Light		253			230	1.10	2-3.5mm²	1-2.0mm²	15mmØ	20	60	2	Locker/Dressing room
4	UPS; 5kVA		5000			230	21.74				30	60	2	Studio room
5	Studio lighting 1			2760		230	12.00				20	60	2	Batten Area
6	Studio lighting 2			2760		230	12.00				20	60	2	Batten Area
7	6 - Convenience Outlet	1080				230	4.70	2-3.5mm²	1-2.0mm²	15mmØ	30	60	2	Locker/Dressing room
8	Spare: 1.5kW	1500				230	6.52				20	60	2	
TOTAL		5360	5253	5520			70.14							

IT = 3(5520) = 16,560= 41.57 Amp
√3(230) 398.37
= 41.57A x 80% D.F. = **33.26A**

TOTAL CURRENT: **33.26 Amp**
KVA: **7.6 kVA**

MCB: 60AT, 60AF, 230V, 3P, 60Hz
FEEDER: 3-14mm² THHN Wire + 1-5.5mm² TW Wire (G) in 40mmØ PVC

PANEL: **New PDB 2** (existing) ENCLOSURE: NEMA 1
MOUNTING: Surface-Mounted LOCATION: **New EE room**, Ground Floor, DIC Bldg.

CIRCUIT NO.	LOAD DESCRIPTION	A	B	C	3Ø	V	A	SIZE OF WIRE THHN	SIZE OF WIRE TW	SIZE OF CONDUIT	C.B. RATING AT	C.B. RATING AF	C.B. RATING P	LOCATION
1	Spare					230	0.00				100	100	3	
2	Spare					230	0.00				100	100	3	
3	Spare					230	0.00				60	100	3	
4	Spare					230	0.00				100	100	3	
5	FCU & ACCU; 3TR		4180			230	18.17	2-8.0mm²	1-3.5mm²	20mmØ	60	100	3	Studio Area
6	FCU & ACCU; 3TR			4180		230	18.17	2-8.0mm²	1-3.5mm²	20mmØ	60	100	3	Studio Area
TOTAL		0	4180	4180			36.35							

IT = 3(4180) = 12,540= 31.48 Amp
√3(230) 398.37
= 34.48A - 18.17 + (2.5 x 18.17) = 58.74A
= 58.74A x 80% D.F. = **46.99A**

TOTAL CURRENT: **46.99 Amp**
KVA: **10.8 kVA**

MCB: 320AT, 350AF, 230V, 3P, 60Hz
FEEDER: 3-250mm² THHN Wire + 1-150mm² TW Wire (G)

LOAD SCHEDULE
SCALE: NTS

1. ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE RULES AND REGULATION OF THE LOCAL GOVERNMENT AGENCY CONCERNED, AND THE POLICIES OF THE LOCAL POWER COMPANY.
2. ALL CIRCUITS SHALL BE WIRED NOT LESS THAN 3.5mm², TYPE THHN/THWN FOR LIGHTING AND CONVENIENCE OUTLETS.
3. ALL CONDUCTORS SHALL BE COPPER WIRE THHN/THWN/THW/TW TYPE, 600 VOLTS INSULATION.
4. ALL BRANCH CIRCUITS SHALL BE INSTALLED IN 15MMØ POLYVINYL CONDUIT @ 10ft./LENGTH (PVC), PLASTIC MOULDING (25mmx13mmx8ft) AND MICA TUBE (1/2"Ø) WITH SIZE INDICATED AND SHALL BE LAYED OUT UP TO THE NEW PANEL DISTRIBUTION BOARD.
5. ALL NON-CURRENT CARRYING PARTS SHALL BE ADEQUATELY AND EFFECTIVELY GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PHILIPPINE ELECTRICAL CODE.
6. ALL WALL OUTLETS SHALL BE INSTALLED AT THE FOLLOWING HEIGHT OF FINISHED FLOOR LEVEL UNLESS NOTED ON THE PLANS.
   a. WALL SWITCHES 1300mm
   b. DUPLEX 3-PIN UNIVERSAL CONVENIENCE OUTLET. . 300mm
7. ALL LIGHTING FIXTURES (PIN LIGHT) SHALL BE 12W DOWNLIGHT; 86V-286V, 720lm/390lm, DAYLIGHT, AND 150x65MM (6 INCHES)
8. ALL WALL OUTLETS AND EXPOSED CONDUITS SHALL BE LAID OUT PLUMB, SYMMETRICAL AND PERPENDICULAR TO THE BUILDING LINES.
9. ALL MATERIALS TO BE USED SHALL BE NEW AND OF THE APPROVED TYPE BEARING THE STAMP OF THE MANUFACTURER, TYPE OF LIGHTING FIXTURE SHALL BE COORDINATED WITH THE ARCHITECT OR OWNER FOR FINAL APPROVAL AND IN ACCORDANCE WITH THE GOVERNING STANDARDS.
10. PROVIDE EFFECTIVE AND ADEQUATE GROUNDS.
11. ALL ELECTRICAL WORKS SHALL BE DONE UNDER THE SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER OR REGISTERED MASTER ELECTRICIAN.

NOTES AND SPECIFIATIONS
SCALE NTS

Down Light
Duplex Convenience Outlet
Circuit homerun
Panel Distribution Board
S2ab — 2 Gang Switch
S3abc — 3 Gang Switch

LOAD SCHEDULE
SCALE: NTS

PROJECT TITLE	SHEET NO.	DRAWN BY:	CHECK BY	VERIFIED BY	NOTED BY	RECOMMENDING APPROVAL	APPROVED BY:
TITLE	E-2						
LOCATION PAGASA, WFFC COMPOUND, AGHAM RD., DILIMAN, QUEZON CITY		AARON CHESTER M. CRUZ WOA, METTSS, ETSD	DIOSDADO S. ORNUM WFS-III, METTSS, ETSD	JESSIE B. ARCE CHIEF, MEIES, ETSD	EDWIN F. MANRESA CHIEF, ETSD	CATALINO L. DAVIS DA, A & ES	DR. VICENTE B. MALANO ADMINISTRATOR