Apayao

25 P-1 GROUND FLOOR PLUMBING PLAN
SCALE: 1: 25m

26 P-1 SECOND FLOOR PLUMBING PLAN
SCALE: 1: 25m

OWNER	ARCHITECT/ENGINEER	ENGINEER	PROJECT TITLE	SHEET CONTENT	CAD BY: T. PACIA	REVISIONS	SHEET NO.
VICENTE B. MALANO ADMINISTRATOR	LICENCE NO.: VALID UNTIL: PTR NO.: DATE ISSUED:	BRIAN P. BUNGABONG WFS I, INFRA UNIT, ETSD LICENCE NO.: VALID UNTIL: PTR NO.: DATE ISSUED:	Proposed Construction of PAGASA Synoptic Building and Flood Forecasting Warning Center.	AS SHOWN	CHECKED: DATE:	DATE:	P-1 PLUMBING

27 P-2 ISOMETRIC
SCALE: 1: 100m

PLAN

SECTION/ELEVATION

28 P-2 SEPTIC TANK DETAIL
SCALE: 1: 25m

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16 S-1 FOUNDATION PLAN
SCALE: 1: 50m

17 S-1 BEAM PLAN
SCALE: 1: 50m

18 S-1 ROOF DECK FRAMING PLAN
SCALE 1:
50m

20 S-1 TYPICAL SLAB SECTION
SCALE: 1: 25m

19 S-1 TYPICAL SLAB PLAN
SCALE: 1: 75m

MARK	t (mm)	SHORT SPAN				LONG SPAN			
		BOTTOM BARS		TOP BARS		BOTTOM BARS		TOP BARS	
		CONT.	EXTRA	INTERIOR	EXTERIOR	CONT.	EXTRA	INTERIOR	EXTERIOR
SECOND FLOOR & ROOFDECK SLABS									
S1	100	12Ø @ 200		10Ø @ 200	10Ø @ 200	12Ø @ 200		10Ø @ 200	

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21 S-2 BEAM-1 DETAIL
SCALE: 1: 50m

22 S-2 STRINGER-1 DETAIL
SCALE: 1: 25m

23 S-2 TIE BEAM DETAIL
SCALE: 1: 50m

24 S-2 WALL FOOTING DETAIL
SCALE: 1: 25m

MARK	SIZE		REINFORCING BARS						STIFF	STIRRUPS
			LEFT SUPPORT		MID-SPAN		RIGHT SUPPORT			
	B	H	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM		
B-1	0.30m	0.40m	4-16mmØ	2-16mmØ	2-16mmØ	4-16mmØ	4-16mmØ	2-16mmØ		10mmØ STIRRUPS SPACED @ 3-0.05m, 3-0.10m, 2-0.15m, REST 0.20m
ST-1	0.15m	0.25m	4-16mmØ	2-16mmØ	2-16mmØ	4-16mmØ	4-16mmØ	2-16mmØ		
FTB-1	0.20m	0.40m	4-16mmØ	2-16mmØ			4-16mmØ	2-16mmØ		

MARK	SIZE			NO. OF BARS		SPACING
	THK	L	W	TOP	BOTTOM	
F-1	0.30m	1.20m	1.20m	12-16mmØ	12-16mmØ	16mmØ TOP & BOTTOM RSB, SPACED @ 0.10m O.C.

FOOTING SCHEDULE

MARK	SIZE		NO. OF BARS		STIRRUPS
	L	W	VERT	HOR	
C-1	0.30m	0.30m	6-16mmØ	0	10mmØ STIRRUPS SPACED @ 3-0.05m, 3-0.10m, 2-0.15m, REST 0.20m

COLUMN SCHEDULE

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01 A-1 PERSPECTIVE
SCALE: NTS

REPUBLIC OF THE PHILIPPINES

MUNICIPAL/CITY ENGINEER

LINE & GRADE

ARCHITECTURAL

STRUCTURAL

SANITARY

ELECTRICAL

MECHANICAL

OWNER	ARCHITECT/ENGINEER	ENGINEER	PROJECT TITLE	SHEET CONTENT
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CAD BY:	REVISIONS		SHEET NO.
T. PACIA	DATE:		A/1
CHECKED:			
DATE:			ARCHITECTURAL

02 A-2 GROUND FLOOR PLAN
SCALE: 1: 150m

04 A-2 GROUND FLOOR CEILING PLAN
SCALE: 150m 1:

03 A-2 SECOND FLOOR PLAN
SCALE: 1: 150m

05 A-2 SECOND FLOOR CEILING PLAN
SCALE: 150m 1:

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06 A-3 FRONT ELEVATION
SCALE: 1: 150m

07 A-3 RIGHT ELEVATION
SCALE: 1: 150m

08 A-3 LEFT ELEVATION
SCALE: 1: 150m

09 A-3 REAR ELEVATION
SCALE: 1: 150m

10 A-3 SECTION THRU X-X
SCALE: 1: 150m

11 A-3 SECTION THRU Y-Y
SCALE: 1: 150m

DOOR SCHEDULE

MARK	DOOR MATERIALS	H	W	THK	FRAME MATERIALS	DEPTH	OFFSET	OPERATION	ACCESORIES
GD-1	TEMPERED GLASS	2.10m	0.80m	12mm	POWDER COATED ALUMINUM	0.10m	50mm	SWING TYPE TWO DOOR PANEL	DOOR JAMB, HANDRAILS AND LOCK SET
D-2	WOOD	2.10m	0.90m	50mm	WOOD	0.12m	25mm	SWING TYPE	
D-3	WOOD	2.10m	0.80m	50mm	WOOD	0.12m	25mm	SWING TYPE	
D-4	PVC PLASTIC W/ GLASS	2.10m	0.70m	40mm	PVC PLASTIC	0.10m	25mm	SWING TYPE	
GD-5	TEMPERED GLASS	2.10m	0.80m	12mm	POWDER COATED ALUMINUM	0.10m	50mm	SWING TYPE, SINGLE DOOR PANEL	

12 A-3 DOORS AND WINDOW SCHEDULE
SCALE 1: 150m

WINDOW SCHEDULE

MARK	WINDOW MATERIALS	H	W	THK	FRAME MATERIALS	DEPTH	OFFSET	OPERATION	ACCESORIES
W-1	GLAZED GLASS	1.10m	0.60m	6mm	ANALUK ALUMINUM	0.10m	50mm	FOUR PANEL SLIDING	WINDOW JAMB AND LOCK SET
W-2	GLAZED GLASS	1.10m	0.60m	6mm	ANALUK ALUMINUM	0.10m	50mm	TWO PANEL SLIDING	
W-3	GLAZED GLASS	0.60m	0.60m	6mm	ANALUK ALUMINUM	0.10m	50mm	AWNING	
FGW-4	TEMPERED GLASS	1.10m	2.0m	6mm	POWDER COATED ALUMINUM	0.10m	50mm	FIXED	
FGW-5	TEMPERED GLASS	1.10m	3.20m	6mm	POWDER COATED ALUMINUM	0.10m	50mm	FIXED	

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13 A-4 CONCRETE STAIRS DETAIL
SCALE: 1: 100m

DETAIL 1.1
SCALE 1:20m

PLAN
SCALE 1: 100m

14 A-4 STEEL RAILING DETAILS
SCALE: VARIES

15 A-4 STEEL STAIRS DETAIL
SCALE: 1: 50m

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29 E-1 GROUND FLOOR LIGHTING PLAN
SCALE: 1:100m

30 E-1 SECOND FLOOR LIGHTING PLAN
SCALE: 1:100m

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31 E-2 GROUND FLOOR CONVENIENCE OUTLET PLAN
SCALE: 1:100m

32 E-2 SECOND FLOOR CONVENIENCE OUTLET PLAN
SCALE: 1:100m

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LOAD SCHEDULE AND COMPUTATION

CIRUIT NO.	LOAD DESCRIPTION	SWITCHES S	S2	S3	S3W	VA	V	A	SIZE OF WIRE THHN(B)	TW(G)	SIZE OF CONDUIT	C.B.RATING AT	P	LOCATION
1	L.O. @ 23W/outlet, 15 outlets	5	4			345	230	1.50	2-2.0mm²	1-2.0mm²	15mmØ PVC	20	2	Kitchen, Pantry, CR, RW Ofc, and Outdoor L.O.
2	L.O. @ 23W/outlet, 9 outlets	4		1		207	230	0.90	2-2.0mm²	1-2.0mm²	15mmØ PVC	20	2	Lobby and CR (Gnd. Flr.)
3	L.O. @ 23W/outlet, 12 outlets			3		276	230	1.20	2-2.0mm²	1-2.0mm²	15mmØ PVC	20	2	M&F Quarters, LW Ofc and Outdoor L.O.
4	L.O. @ 23W/outlet, 9 outlets	1	2			207	230	0.90	2-2.0mm²	1-2.0mm²	15mmØ PVC	20	2	Monitor Rm., Lobby & Con. Lec. Rm
5	L.O. @ 23W/outlet, 8 outlets	3	2			207	230	0.90	2-2.0mm²	1-2.0mm²	15mmØ PVC	20	2	Con. Lec. Rm., CR, Lobby&Radio Rm
6	L.O. @ 23W/outlet, 8 outlets	3	2		2	184	230	0.80	2-2.0mm²	1-2.0mm²	15mmØ PVC	20	2	P. Maintenance Rm., Mon. Rm., CR, & Stairway
7	C.O. @ 180W/outlet, 8 outlets					1440	230	6.26	2-3.5mm²	1-2.0mm²	15mmØ PVC	20	2	Con. Lec. Rm., Radio Rm. Lobby (2nd Flr)
8	C.O. @ 180W/outlet, 8 outlets					1440	230	6.26	2-3.5mm²	1-2.0mm²	15mmØ PVC	20	2	Mon. rm., P. Maintenancerm & Lobby
9	C.O. @ 180W/outlet, 9 outlets					1620	230	7.04	2-3.5mm²	1-2.0mm²	15mmØ PVC	20	2	Office, M&F Quarters, Pathway
10	C.O. @ 180W/outlet, 10 outlets					1800	230	7.83	2-3.5mm²	1-2.0mm²	15mmØ PVC	20	2	Lobby, Office,Kitchen & Pantry Area
11	ACU (2HP), Split Type					2760	230	12.00	2-5.5mm²	1-3.5mm²	20mmØ PVC	30	2	Office (LW)
12	ACU (2HP), Split Type					2760	230	12.00	2-5.5mm²	1-3.5mm²	20mmØ PVC	30	2	Office (RW)
13	ACU (3/4HP), Window Type					1587	230	6.90	2-5.5mm²	1-3.5mm²	20mmØ PVC	30	2	F Quarters
14	ACU (3/4HP), Window Type					1587	230	6.90	2-5.5mm²	1-3.5mm²	20mmØ PVC	30	2	M Quarters
15	ACU (2HP), Split Type					2760	230	12.00	2-5.5mm²	1-3.5mm²	20mmØ PVC	30	2	Conference Lecture Room
16	ACU (2HP), Split Type					2760	230	12.00	2-5.5mm²	1-3.5mm²	20mmØ PVC	30	2	Conference Lecture Room
17	ACU (2HP), Split Type					2760	230	12.00	2-5.5mm²	1-3.5mm²	20mmØ PVC	30	2	Monitor Room
18	ACU (2HP), Split Type					2760	230	12.00	2-5.5mm²	1-3.5mm²	20mmØ PVC	30	2	Monitor Room
19	ACU (3/4HP), Window Type					1587	230	6.90	2-5.5mm²	1-3.5mm²	20mmØ PVC	30	2	Radio Room
20	Range Outlet					1000	230	4.35	2-5.5mm²	1-3.5mm²	20mmØ PVC	30	2	Kitchen and Pantry Area
21	Pump Outlet					746	230	3.24	2-5.5mm²	1-3.5mm²	20mmØ PVC	30	2	Kitchen and Pantry Area
22	2-L.O. , 1-C.O.					226	230	0.98	2-2.0mm²	2-2.0mm²	15mmØ PVC	20	2	Generator House
23	Spare					1000	230	4.35				20	2	
24	Spare					1000	230	4.35				20	2	
TOTAL						33019		143.56						

IT@80%D.F. = 143.56A(.80) = **114.85 Amps**

MCB : **150AT/150AF, 2P, 250VAC, 85 KAIC, BOLT-ON**

FEEDER SIZE: **USE : 2 - 60mm² THHN + 1 - 22mm² TW(G) in 50mmØ PVC**

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