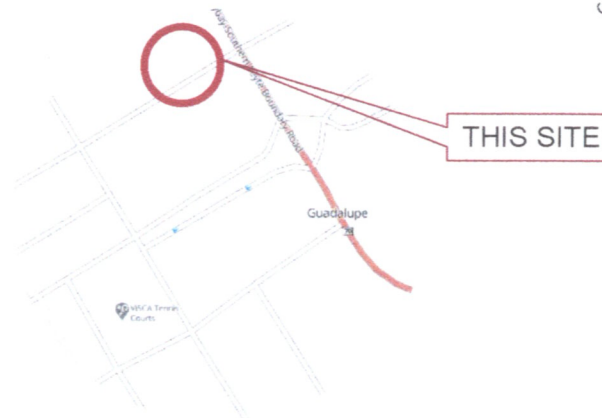




VICINITY MAP



LOCATION MAP



SITE DEVELOPMENT PLAN

LEGENDS:

1. SYNOPSIS BUILDING
2. OBSERVER'S QUARTER
3. POWERHOUSE
4. AGROMET BUILDING
5. INSTRUMENT SHELTER
6. VSAT
7. AEROVANE
8. RAIN GAUGE
9. WIND ANEMOMETER
10. SUN-DUR
11. AWS
12. SUN-RAD
13. SOLAR PANEL
14. AWS-ARG
15. ENTRANCE GATE
16. FLAGPOLE
17. SEPTIC TANK

SHEET NO.	TABLE OF CONTENTS
E-1	GENERAL SPECIFICATIONS REQUIREMENT
E-2	LIGHTING LAYOUT (SYNOPTIC BUILDING)
E-3	POWER LAYOUT (SYNOPTIC BUILDING)
E-4	LIGHTING LAYOUT (OBSERVER'S QUARTER)
E-5	LIGHTING LAYOUT (PERIMETER FENCE & SIGNAGE)
E-6	POWER LAYOUT (OBSERVER'S QUARTER)
E-7	SCHEDULE OF LOADS
E-8	SCHEDULE OF LOADS
E-9	RISER DIAGRAM SINGLE LINE DIAGRAM SERVICE ENTRANCE POST DETAIL
E-10	TRENCHING LAYOUT OF MAIN FEEDER LINE AND AUXILIARY SYSTEM HANDHOLE DETAILS & TRENCHING
E-11	LIGHTNING PROTECTION AND GROUNDING SYSTEM DETAILS
	ELECTRONICS & COMMUNICATIONS
ECE-1	NETWORKS CABLING SYSTEM AND CATV SYSTEM (SYNOPTIC BUILDING)
ECE-2	NETWORKS CABLING SYSTEM AND CATV SYSTEM (OBSERVER'S QUARTER)
ECE-3	CCTV SYSTEM (SYNOPTIC BUILDING)
ECE-4	AUXILIARY SYSTEM RISER DIAGRAM SERVICE ENTRANCE POST DETAIL

SHEET NO.	TABLE OF CONTENTS
	ARCHITECTURAL
A-1	PERSPECTIVE SITE DEVELOPMENT PLAN VICINITY MAP LOCATION MAP (SYNOPTIC BUILDING)
A-2	FLOOR PLAN
A-3	ROOF PLAN
A-4	FRONT ELEVATION REAR ELEVATION RIGHT ELEVATION LEFT ELEVATION
A-5	SECTION THRU X-X SECTION THRU Y-Y DOOR SCHEDULE WINDOW SCHEDULE
A-6	REFLECTED CEILING PLAN (OBSERVER'S QUARTER & POWERHOUSE)
A-7	FLOOR PLAN ROOF PLAN
A-8	FRONT ELEVATION REAR ELEVATION RIGHT ELEVATION LEFT ELEVATION
A-9	SECTION THRU T-T SECTION THRU A-A SECTION THRU B-B
A-10	CEILING PLAN DOOR SECTION WINDOW SCHEDULE
A-11	PAGASA ENTRANCE GATE SIGNAGE DETAILS
	STRUCTURAL
S-1	STRUCTURAL NOTES (SYNOPTIC BUILDING)
S-2	FOUNDATION PLAN COLUMN DETAILS
S-3	BEAM FRAMING PLAN BEAM DETAILS
S-4	BEAM SCHEDULE CANOPY DETAILS GRADE BEAM DETAILS WALL FOOTING DETAILS CONCRETE GUTTER DETAILS
S-5	ROOF FRAMING PLAN TRUSS DETAILS
S-6	TRUSS CONNECTION DETAILS
S-7	STAIR DETAILS PATHWALK DETAILS RAMP DETAILS (OBSERVER'S QUARTER & POWERHOUSE)
S-8	FOUNDATION PLAN ROOF BEAM FRAMING
S-9	BEAM & SUSPENDED SLAB SCHEDULE TYPICAL BEAM DETAILS WALL FOOTING DETAILS COLUMN FOOTING DETAIL
S-10	TRUSS DETAILS TRUSS CONNECTION DETAILS
S-11	ROOF FRAMING PLAN TRUSS CONNECTION DETAILS (PERIMETER FENCE)
S-12	PERIMETER FENCE DETAIL WALL FOOTING DETAIL COLUMN FOOTING DETAIL
S-13	FLAGPOLE DETAILS
	PLUMBING
P-1	PLUMBING NOTES SEPTIC TANK DETAILS CONCRETE DITCH DETAILS
P-2	GROUND CLEANOUT DETAILS FLOOR DRAIN DETAILS FLOOR CLEANOUT DETAILS PIPING ARRANGEMENT FOR WATER CLOSET & LAVATORY DETAILS STORM DRAINAGE TO CONCRETE DITCH CONNECTION DETAILS
P-3	SEWER LINE LAYOUT (SYNOPTIC BUILDING)
P-4	SEWER LINE LAYOUT (OBSERVER'S QUARTER & POWERHOUSE)
P-5	WATER LINE LAYOUT (SYNOPTIC BUILDING)
P-6	WATER LINE LAYOUT (OBSERVER'S QUARTER & POWERHOUSE)
P-7	DRAINAGE LAYOUT (SYNOPTIC BUILDING)
P-8	DRAINAGE LAYOUT (OBSERVER'S QUARTER & POWERHOUSE)
P-9	PLUMBING ISOMETRIC LAYOUT

Republic of the Philippines
Department of Public Works &
Highways
OFFICE OF THE BUILDING OFFICIAL

BAYBAY CITY, LEYTE

District/City/Municipality

Land Use and Zoning

Line & Grade

Architectural

Structural

Sanitary

Electrical

Mechanical

Bureau of Fire Protection

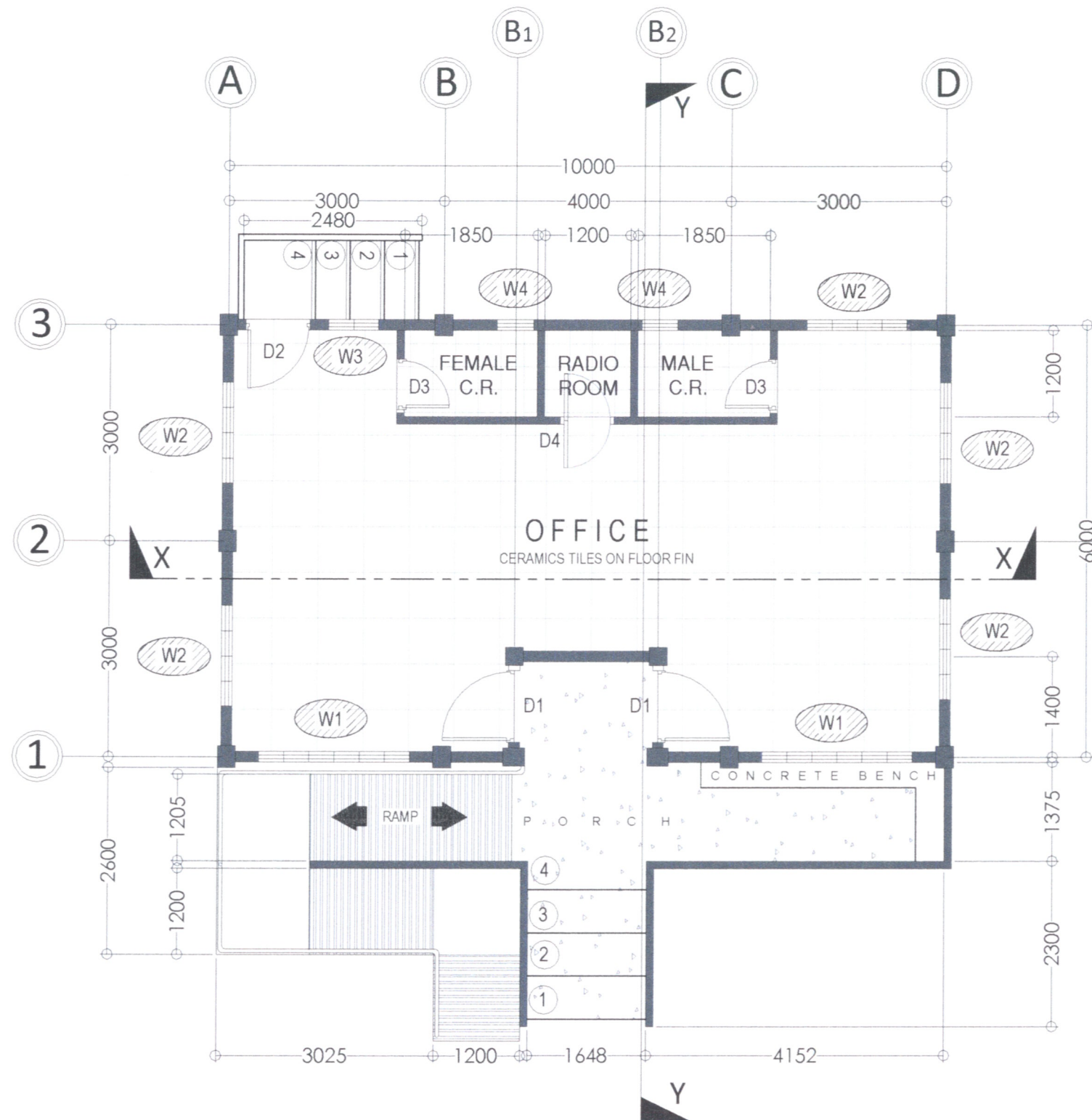


PERSPECTIVE
SYNOPTIC BUILDING



PERSPECTIVE
OBSERVER'S QUARTER

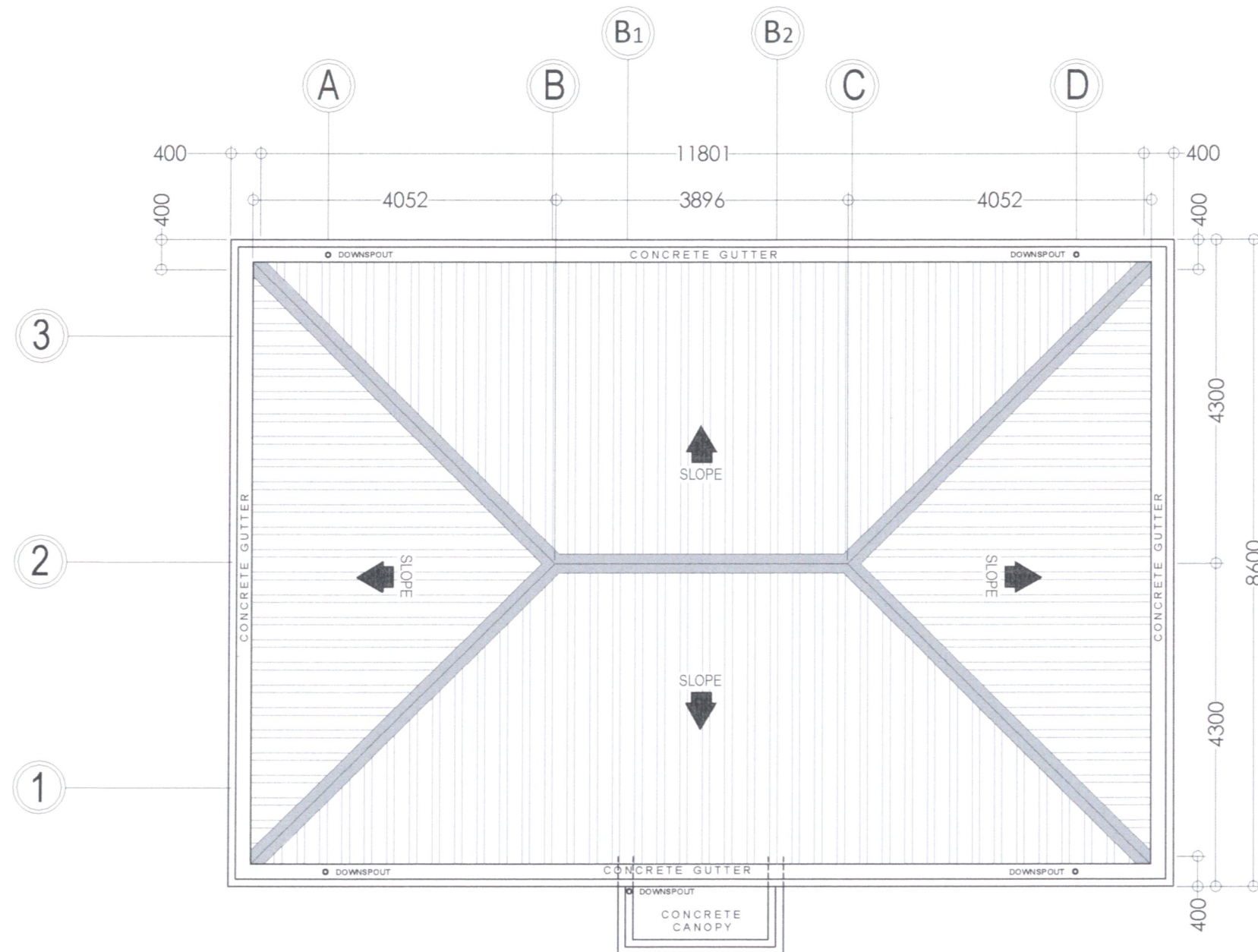
	OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.		
	 NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR		 REGISTERED & LICENSED ARCHITECT	CONSTRUCTION OF PAGASA SYNOPSIS BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE "LOCATION" VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE	AS SHOWN	 R. DELA CRUZ, T. P. C. A. CHECKED BRIAN BUNGABONG DATE:		A/1 ARCHITECTURAL		
						LICENSE NO.	VALID UNTIL		LICENSE NO.	VALID UNTIL
						PTR NO.	DATE ISSUED		PTR NO.	DATE ISSUED






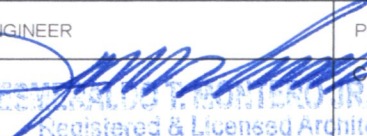
FLOOR PLAN
SCALE: 1:75MM

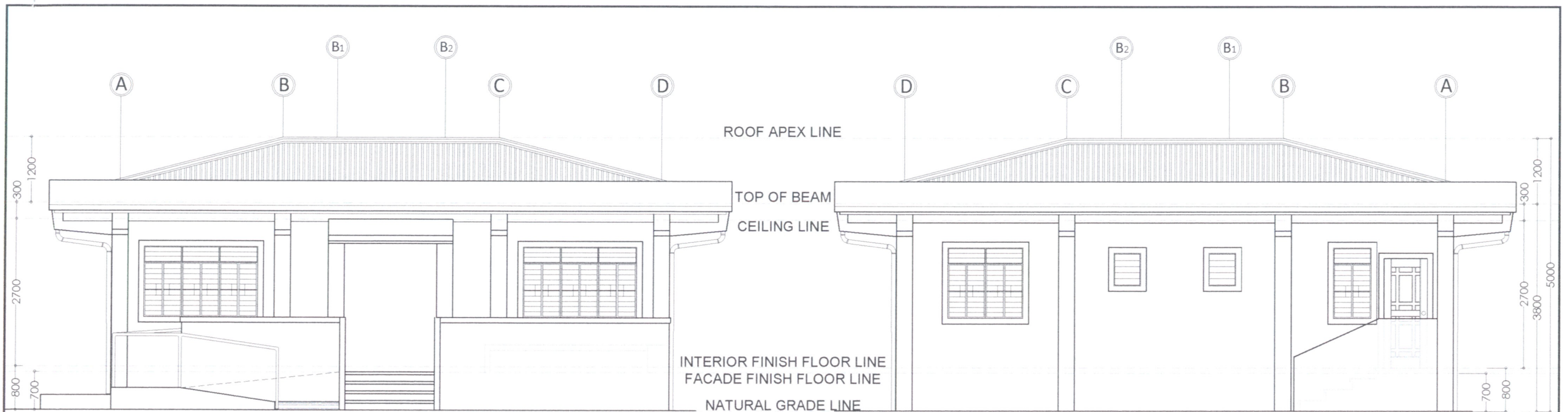
	OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
	 NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	 	 	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE	AS SHOWN	 R. DELA CRUZ T. PACIA CHECKED BRIAN BUNGABONG DATE:		A/2 ARCHITECTURAL

ESTANISLAO T. MONTERO JR., R.A.
 Registered & Licensed Architect
 License No. 45277
 Validity: 12-15-2023
 Date: 01-03-2023
 Place: Cuzon City Tel: 204-411-541



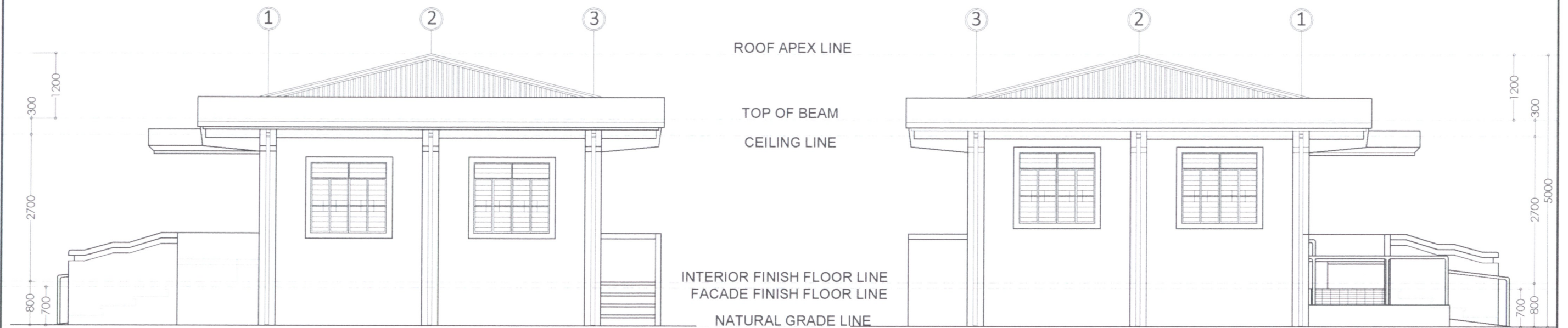
A 3
 1
ROOF PLAN
 SCALE: 1:75MM

	OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
	 NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR		 ESTERALDO T. RONTADO JR., Ph.D. Registered & Licensed Architect PTR NO. 3716474 Validity: 14-18-2023 Date: 01-13-2023 Place: Quezon City Tel: 264-711-841	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE	AS SHOWN	R. DELA CRUZ T. PACIA CHECKED: BRIAN BUNGABONG DATE:		A/3 ARCHITECTURAL



FRONT ELEVATION
SCALE: 1:75MM

REAR ELEVATION
SCALE: 1:75MM



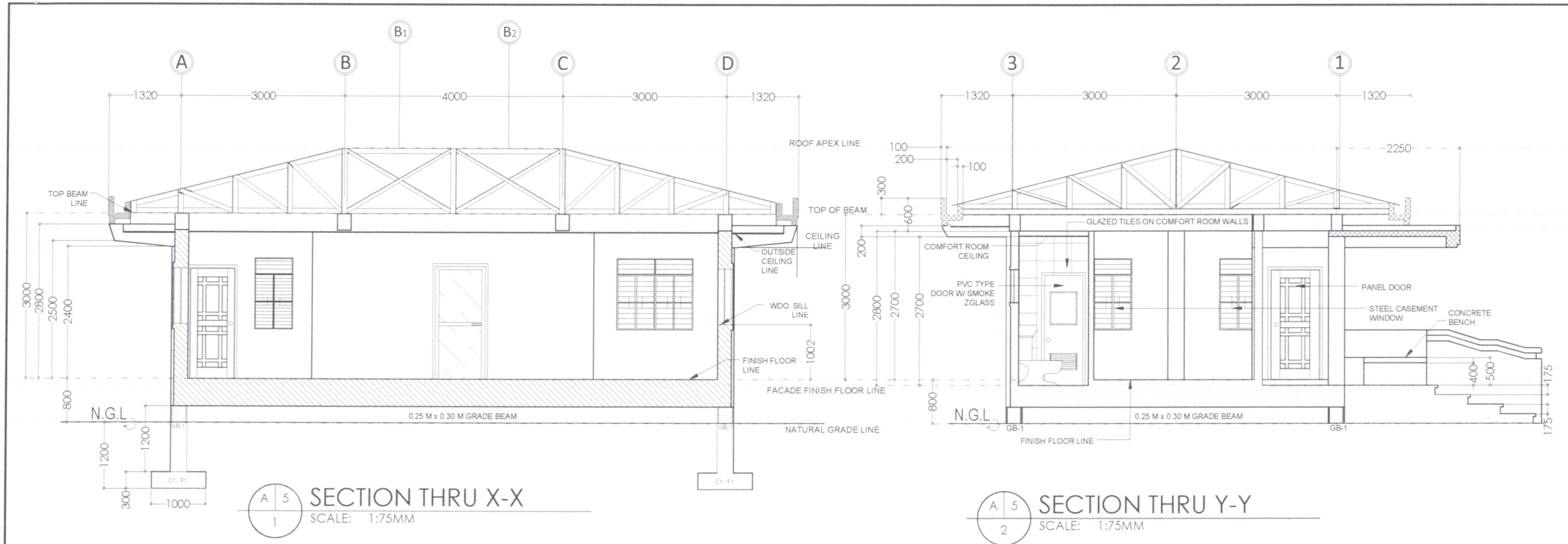
RIGHT ELEVATION
SCALE: 1:75MM

LEFT ELEVATION
SCALE: 1:75MM

OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR		ESTEBAN L. MONTES JR. Registered & Licensed Architect	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ, T. MACIA CHECKED BRIAN BUNGABONG DATE:		A/4
	LICENSE NO. PTR NO.	VALID UNTIL DATE ISSUED	LICENSE NO. PTR NO.	VALID UNTIL DATE ISSUED			ARCHITECTURAL



PRC: 45277
PTR: 2718475
Place: Quezon City
TIN: 204-411-051



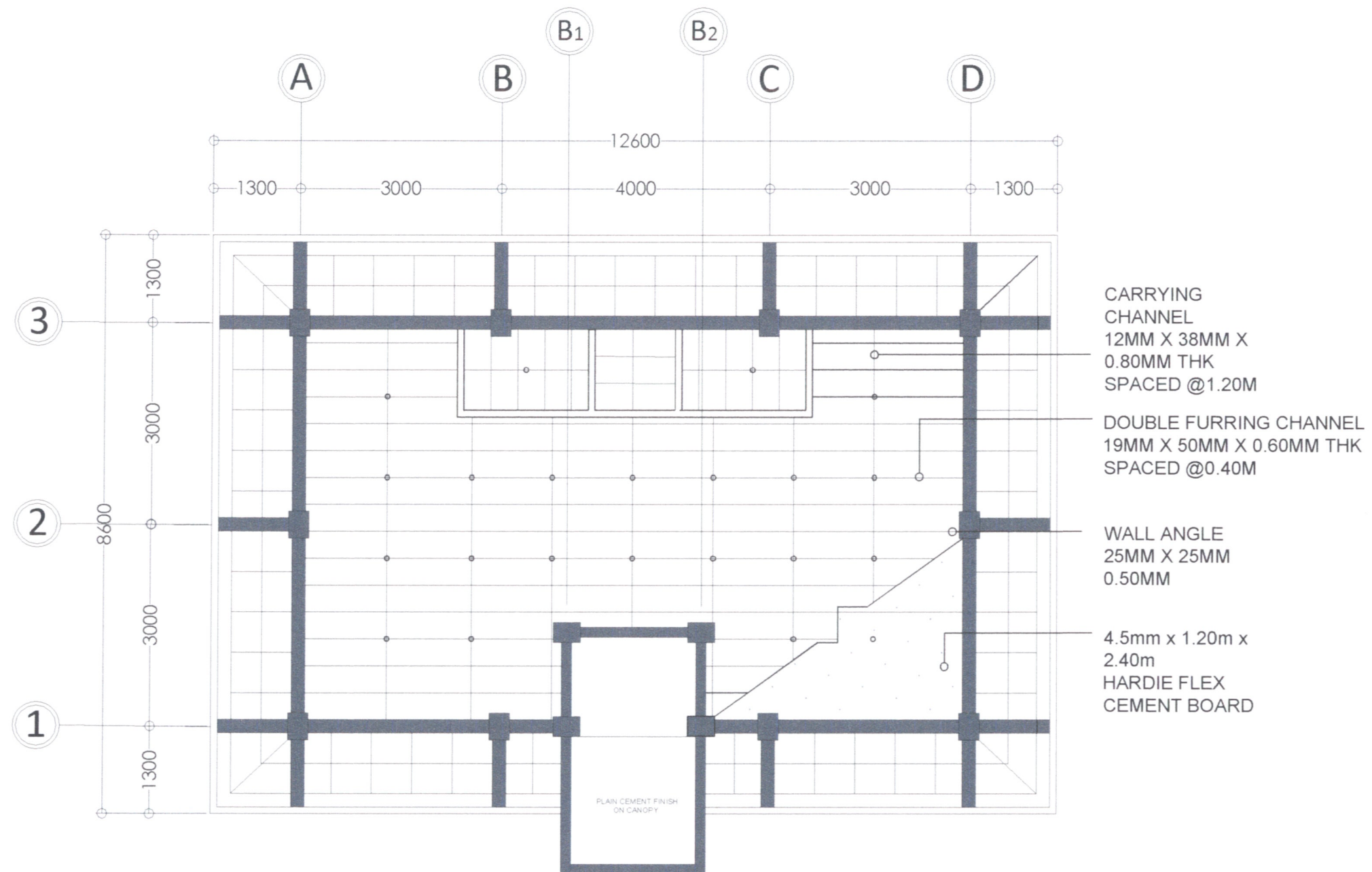
PLAN				
CEILING				
ELEVATION / DETAILS				
FFL				
DESCRIPTION	2" x 6" WOOD FRAME SINGLE SWING SOLID CORE WOODEN PANEL DOOR (TANGUILE)	2" x 4" WOOD FRAME SINGLE SWING SOLID CORE WOODEN PANEL DOOR (TANGUILE)	2" x 4" PVC FRAME SOLID SWING PVC FLUSH DOOR	uPVC FRAMED (DARK BROWN) uPVC PANEL DOOR W/ 1/4" THK. CLEAR GLASS
ACCESSORIES	DOOR LOCK SET, STOPPER AND HINGES	DOOR LOCK SET, STOPPER AND HINGES	DOOR LOCK SET, STOPPER AND HINGES	DOOR LOCK SET, STOPPER AND HINGES
LOCATION	MAIN ENTRANCE (SEE FLOOR PLAN FOR REFERENCE)	REAR ENTRANCE (SEE FLOOR PLAN FOR REFERENCE)	COMFORT ROOM (SEE FLOOR PLAN FOR REFERENCE)	RADIO ROOM (SEE FLOOR PLAN FOR REFERENCE)
QUANTITY	2-SET	1-SET	2-SET	1-SET

DOOR SCHEDULE
SCALE: 1:75MM

CEILING				
ELEVATION / DETAILS				
FFL				
DESCRIPTION	SWING-TYPE CASEMENT STEEL FRAME AND GRILLS WITH 6MM THK. GLASS COMPLETE ACCESSORIES W/ HINGES AND LOCKSET	SWING-TYPE CASEMENT STEEL FRAME AND GRILLS WITH 6MM THK. GLASS COMPLETE ACCESSORIES W/ HINGES AND LOCKSET	SWING-TYPE CASEMENT STEEL FRAME AND GRILLS WITH 6MM THK. GLASS COMPLETE ACCESSORIES W/ HINGES AND LOCKSET	AWNING-TYPE CASEMENT STEEL FRAME AND GRILLS WITH 6MM THK. GLASS COMPLETE ACCESSORIES W/ HINGES AND LOCKSET
LOCATION	REFER TO FLOOR PLAN	REFER TO FLOOR PLAN	REFER TO FLOOR PLAN	REFER TO FLOOR PLAN
QUANTITY	2-SET	5-SET	1-SET	2-SET

WINDOW SCHEDULE
SCALE: 1:75MM

	OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR			CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ T. PACIA CHECKED BRIAN BUNGABONG DATE:		A/5
	LICENSE NO.	VALID UNTIL	LICENSE NO.	VALID UNTIL	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE			ARCHITECTURAL



OWNER

NATHANIEL T. SERVANDO, Ph.D.
ADMINISTRATOR

DESIGNER

ENGINEER

PROJECT TITLE

SHEET CONTENT

DRAWN BY:

REVISIONS

SHEET NO.

R. DELA CRUZ T. PACIA

CHECKED

BRIAN BUNGABONG

DATE:

A/6

ARCHITECTURAL

CONSTRUCTION OF PAGASA SYNOPTIC
STATION BUILDING, OBSERVER'S
QUARTERS, POWERHOUSE,
PERIMETER FENCE, GATE & SIGNAGE

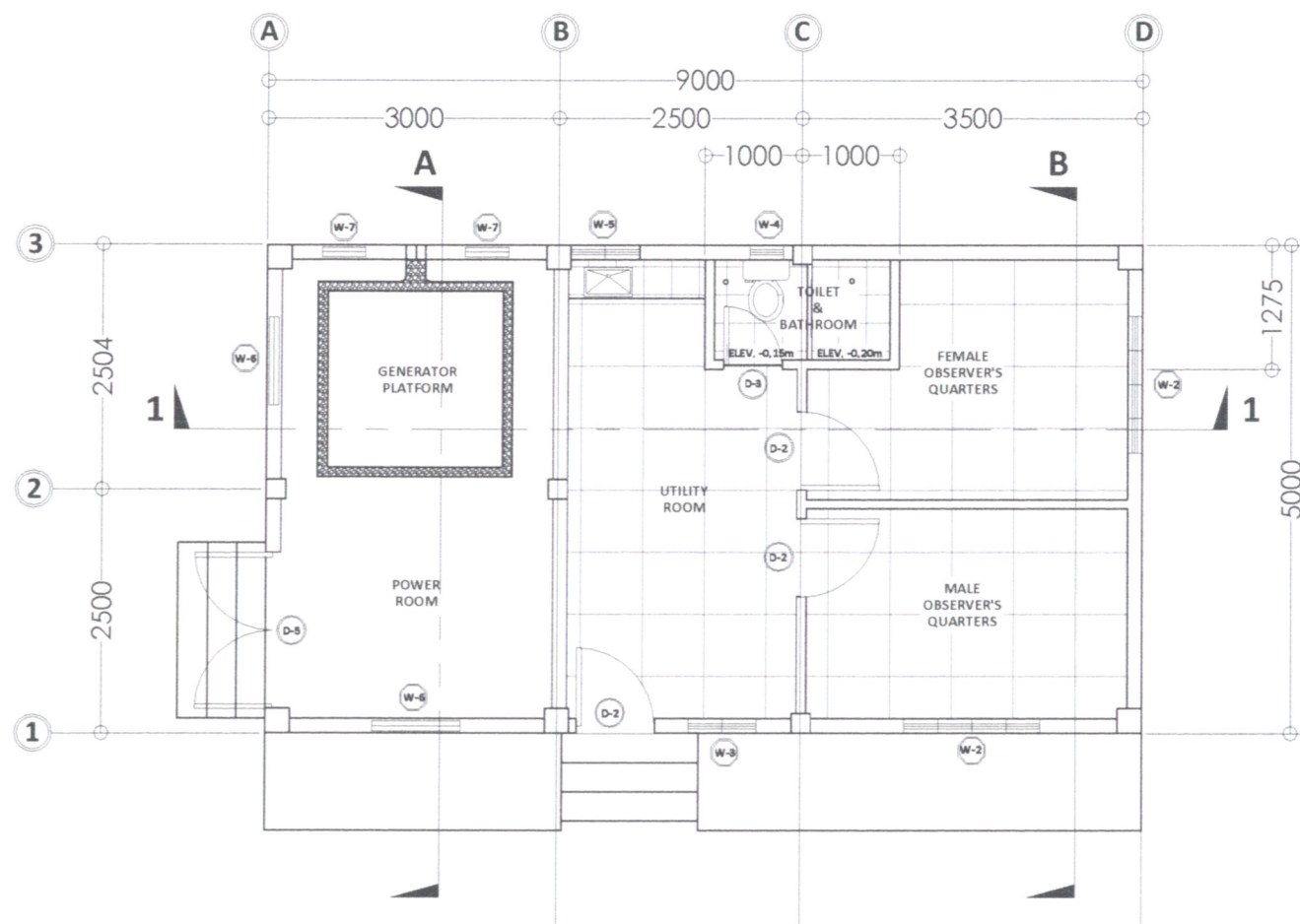
AS SHOWN

LICENSE NO. VALID UNTIL
PTR NO. DATE ISSUED

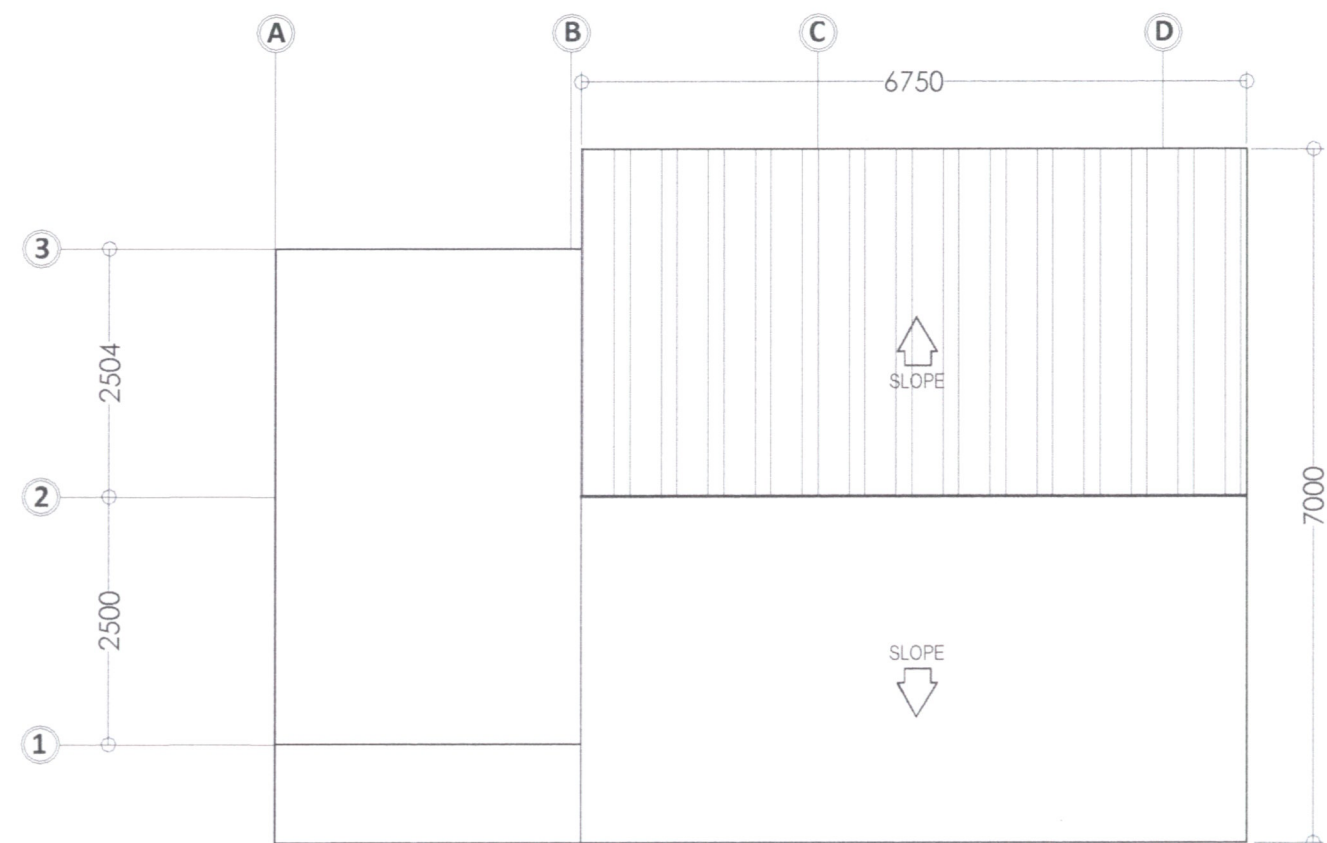
LICENSE NO. VALID UNTIL
PTR NO. DATE ISSUED

LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN
ROAD, BAYBAY CITY, LEYTE


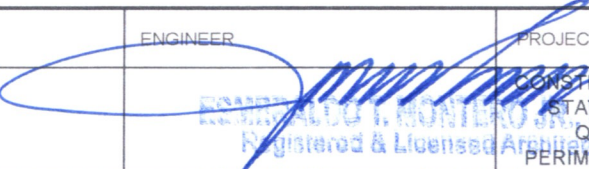
Place: Quezon City Tel. 264-411-441



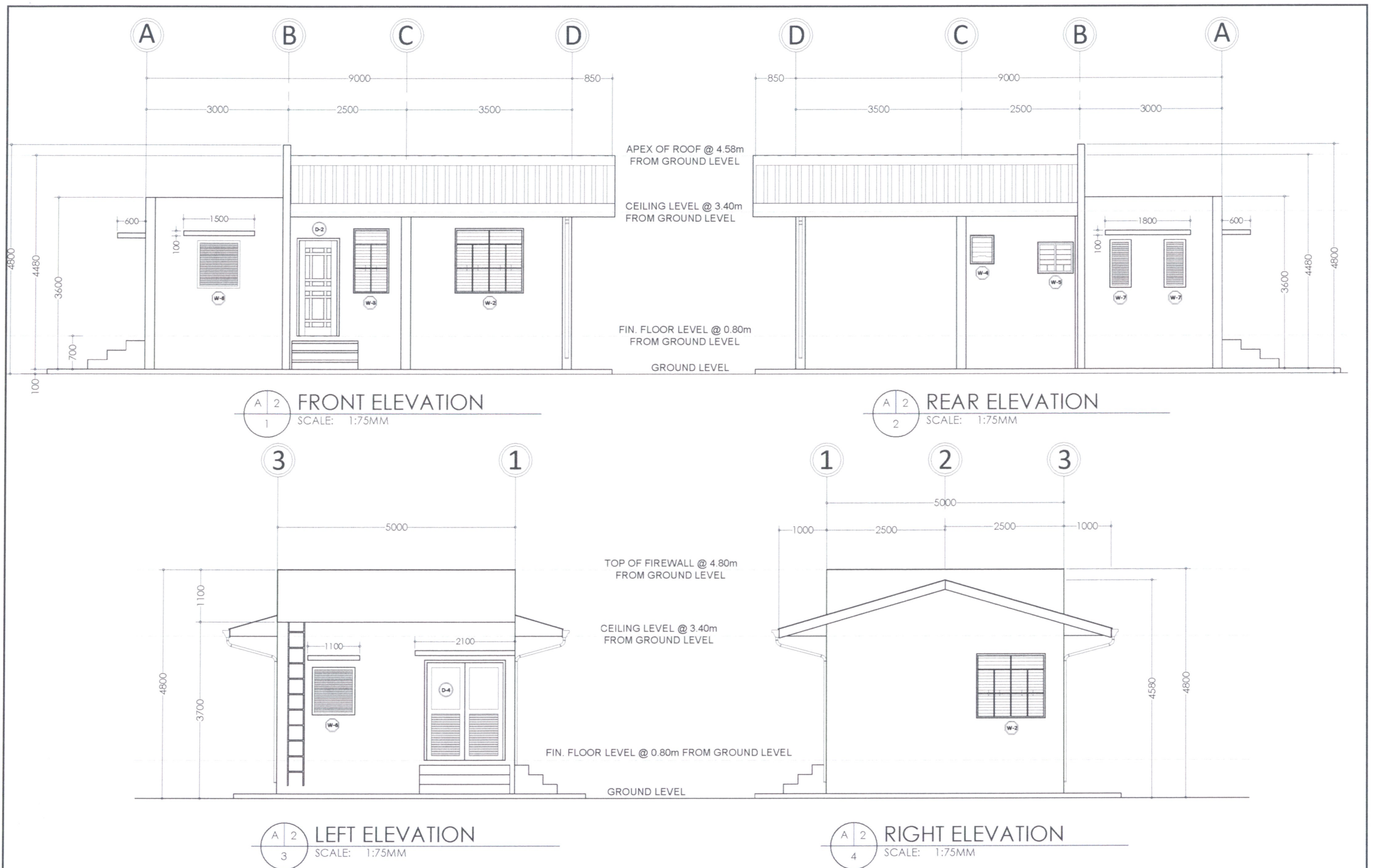
FLOOR PLAN
SCALE: 1:75MM



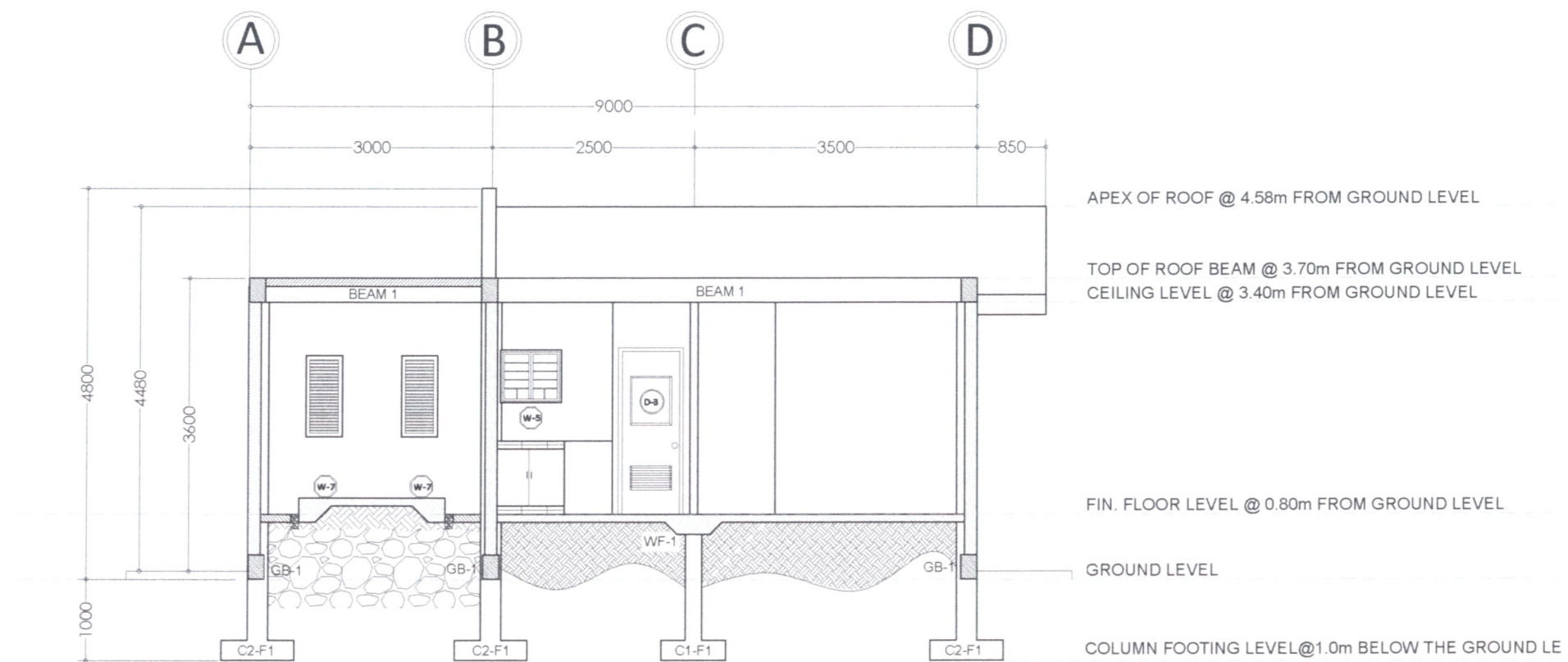
ROOF PLAN
SCALE: 1:75MM

OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS		SHEET NO.
 NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR		 ESMERALDO T. MONTERO JR. Registered & Licensed Architect	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ T. PACIA CHECKED: BRIAN BUNGABONG DATE:			A/7 ARCHITECTURAL

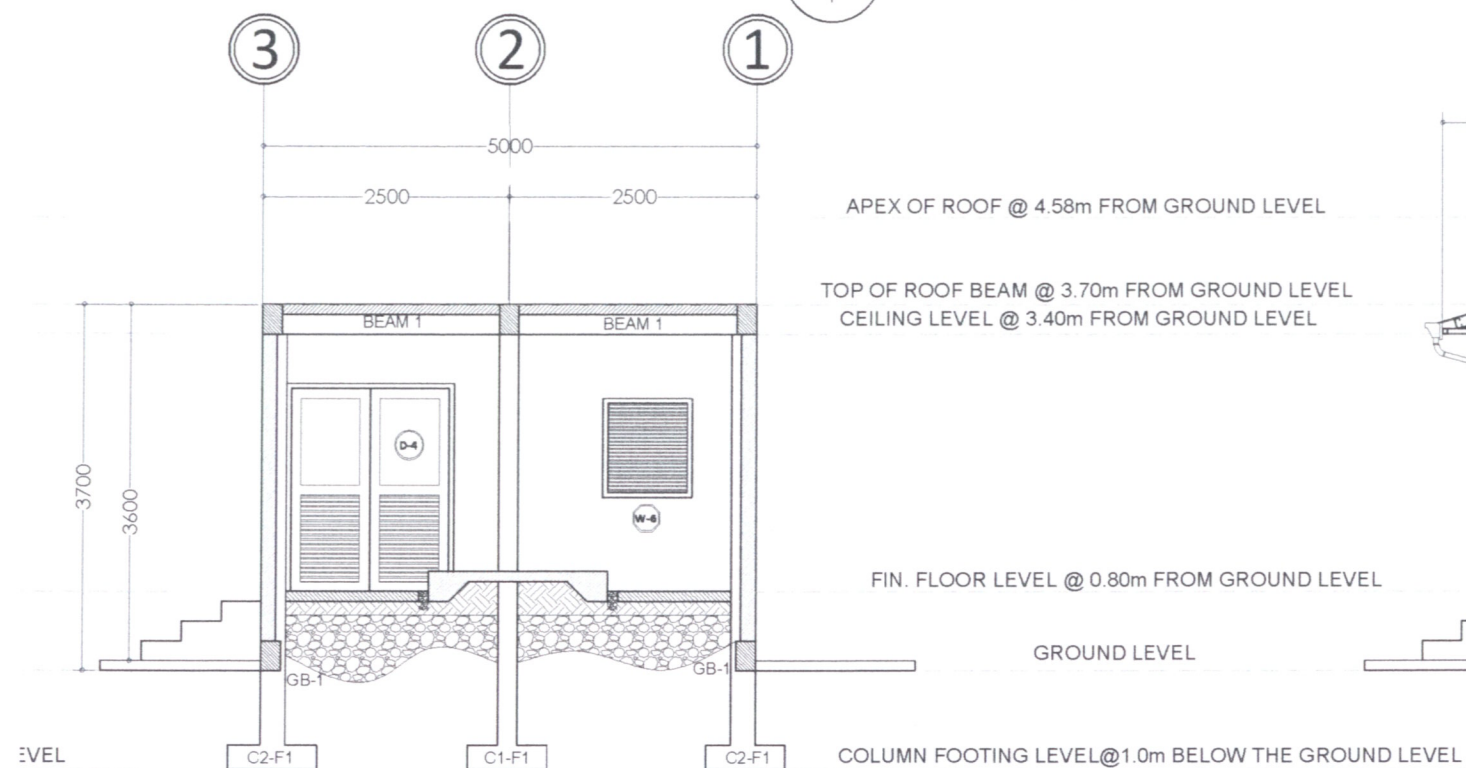
LICENSE NO. PTR: 45217 VALID UNTIL 12-31-2025
 PTR NO. 3718475 DATE ISSUED 01-02-2024
 Place: Quezon City TEL: 204-411-541



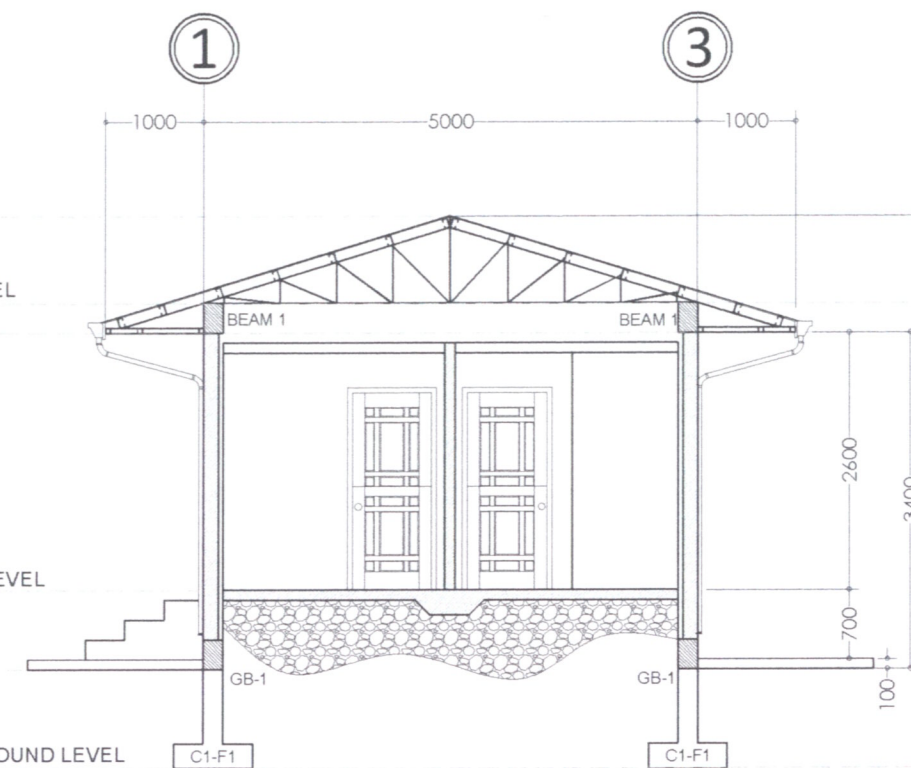
	OWNER NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	DESIGNER 	ENGINEER Registered & Licensed Architect PRC: 45277 PTR NO. 3716473 Validity: 12-15-2023 Date: 01-03-2023 Place: Quezon City TIN: 234-411-641	PROJECT TITLE CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE LOCATION VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE	SHEET CONTENT AS SHOWN	DRAWN BY: R. DELA CRUZ T. PACIA CHECKED: BRIAN BUNGABONG DATE:	REVISIONS	SHEET NO. A/8 ARCHITECTURAL
--	---	---------------------	--	--	----------------------------------	---	------------------	--



SECTION THRU 1-1
SCALE: 1:75MM



SECTION THRU A-A
SCALE: 1:75MM



SECTION THRU B-B
SCALE: 1:75MM



OWNER
NATHANIEL T. SERVANDO, Ph.D.
ADMINISTRATOR

DESIGNER

ENGINEER

PROJECT TITLE

SHEET CONTENT

DRAWN BY:

REVISIONS

SHEET NO.

CONSTRUCTION OF PAGASA SYNOPTIC
STATION BUILDING, OBSERVER'S
QUARTERS, POWERHOUSE,
PERIMETER FENCE, GATE & SIGNAGE

AS SHOWN

R. DELA CRUZ, T. PACIA
CHECKED
BRIAN BUNGABONG
DATE:

A/9

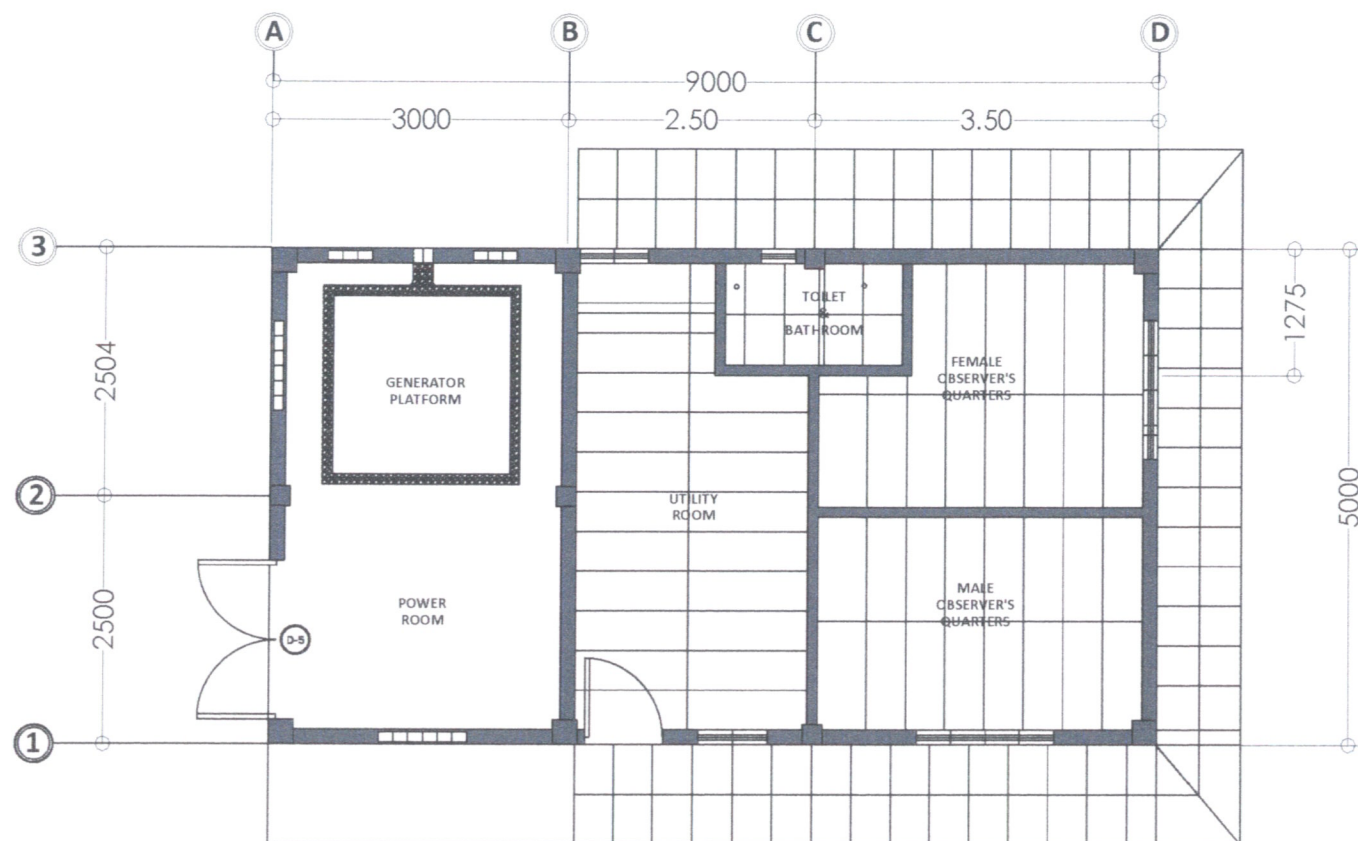
ARCHITECTURAL

LICENSE NO. VALID UNTIL
PTR NO. DATE ISSUED

LICENSE NO. VALID UNTIL
PTR NO. DATE ISSUED

LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN
ROAD, BAYBAY CITY, LEYTE

Place: Quezon City Tel: 264 411 541



CEILING LAYOUT
SCALE: 1:75MM

PLAN			
CEILING			
ELEVATION / DETAILS			
FFL			
DESCRIPTION	2" x 4" WOOD FRAME SINGLE SWING SOLID CORE WOODEN PANEL DOOR (TANGUILE)	2" x 4" PVC FRAME SOLID SWING PVC FLUSH DOOR	2" x 4" STEEL TUBULAR STEEL FRAME WITH METAL SHEET AND LOUVER SINGLE SWING STEEL DOOR
ACCESSORIES	DOOR LOCK SET, STOPPER AND HINGES	DOOR LOCK SET, STOPPER AND HINGES	DOOR LOCK SET, STOPPER AND HINGES
LOCATION	SEE FLOOR PLAN FOR REFERENCE	SEE FLOOR PLAN FOR REFERENCE	SEE FLOOR PLAN FOR REFERENCE
LOCATION	3-SET	1-SET	1-SET

DOORS SCHEDULE
SCALE: 1:75MM

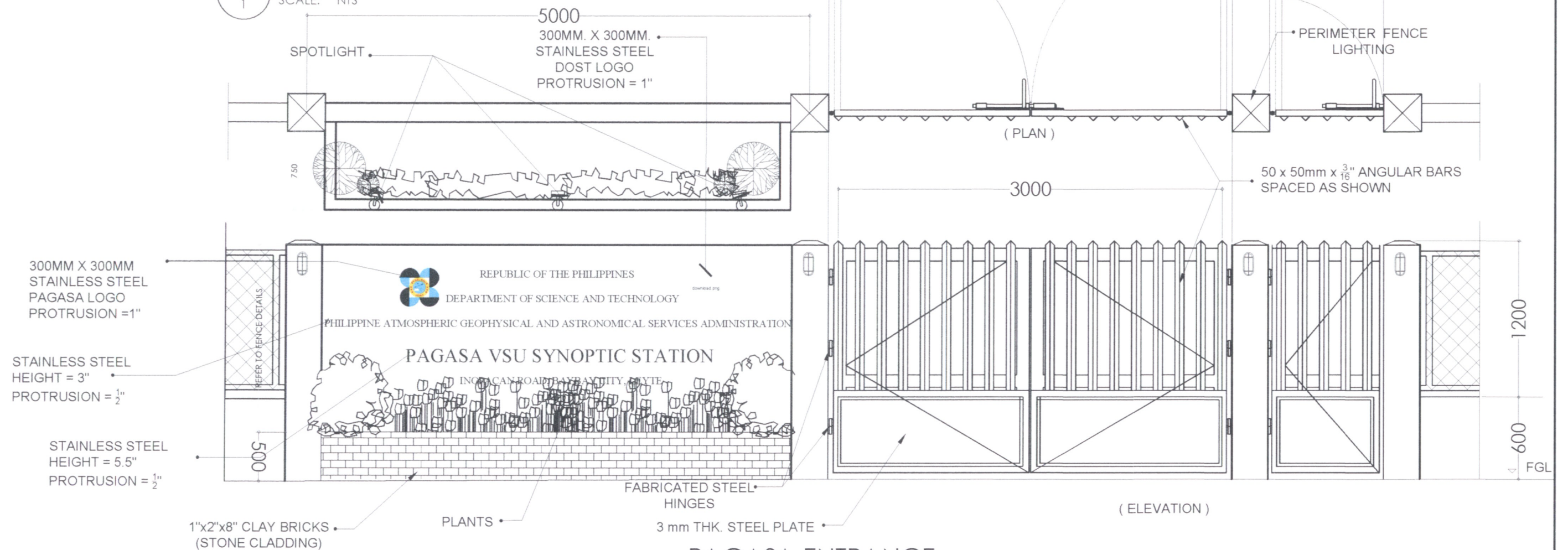
CEILING						
ELEVATION / DETAILS						
FFL						
DESCRIPTION	SWING-TYPE CASEMENT STEEL FRAME AND GRILLS WITH 6MM THK. GLASS COMPLETE ACCESSORIES W/ HINGES AND LOCKSET	SWING-TYPE CASEMENT STEEL FRAME AND GRILLS WITH 6MM THK. GLASS COMPLETE ACCESSORIES W/ HINGES AND LOCKSET	AWNING-TYPE CASEMENT STEEL FRAME AND GRILLS WITH 6MM THK. GLASS COMPLETE ACCESSORIES W/ HINGES AND LOCKSET	SWING-TYPE CASEMENT STEEL FRAME AND GRILLS WITH 6MM THK. GLASS COMPLETE ACCESSORIES W/ HINGES AND LOCKSET	FIXED-TYPE CASEMENT STEEL LOUVER (1" x 2" RECTANGULAR TUBULAR BLADE) ON 0.90m x 1.00m OPENING (2" x 3" RECTANGULAR TUBULAR FRAME)	FIXED-TYPE CASEMENT STEEL LOUVER (1" x 2" RECTANGULAR TUBULAR BLADE) ON 0.45m x 1.00m OPENING (2" x 3" RECTANGULAR TUBULAR FRAME)
LOCATION	REFER TO FLOOR PLAN	REFER TO FLOOR PLAN	REFER TO FLOOR PLAN	REFER TO FLOOR PLAN	REFER TO FLOOR PLAN	REFER TO FLOOR PLAN
QUANTITY	2-SET	1-SET	1-SET	1-SET	2-SET	2-SET

WINDOWS SCHEDULE
SCALE: 1:75MM

	OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR		ESMERALDO T. MONTENEGRO, JR. Registered & Licensed Architect	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ, T. BACIA		A/10
						CHECKED BY:		
						BRIAN BUNGABONG		
						DATE:		
				LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				ARCHITECTURAL



PERSPECTIVE
SCALE: NTS



PAGASA ENTRANCE GATE SIGNAGE DETAIL

SCALE: 1:30MM



OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR		ENGR. NATHANIEL T. SERVANDO JR., Ph.D. Registered & Licensed Architect PTR NO. 45277 Validity: 12-15-2023 Date: 01-12-2023 Place: Quezon City TIN: 204-411-091	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ T. PACIA CHECKED: B. BUNGABONG DATE:		A/11
LICENSE NO.	VALID UNTIL	LICENSE NO.	VALID UNTIL	LOCATION			ARCHITECTURAL
PTR NO.	DATE ISSUED	PTR NO.	DATE ISSUED	ROAD, BAYBAY CITY, LEYTE			

STRUCTURAL NOTES

GENERAL:

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
2. DO NOT SCALE DRAWINGS. ALL DIMENSIONS SHOULD BE READ OR COMPUTED. ANY DISCREPANCIES FOUND ON THE WRITTEN DIMENSIONS SHOULD BE RAISED TO THE ATTENTION OF THE ENGINEER PRIOR TO EXECUTION OF THE WORK.
3. ALL DRAWINGS SHOULD BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS & OTHER PROJECT DOCUMENTS.

EARTHWORKS:

1. UNLESS NOTED OTHERWISE ALL FILL MATERIALS SHOULD BE SELECTED FROM COMMONLY EXCAVATED MATERIAL WHICH ARE FREE FROM ORGANIC AND HAZARDOUS MATERIALS AND GENERAL DEBRIS. FILL MATERIALS SHALL BE INERT WELL GRADED AND GRANULAR MATERIAL WITH A MAXIMUM SIZE NOT EXCEEDING 75mm.

FOUNDATION:

1. IN ABSENCE OF SOIL INVESTIGATION REPORT, AND IN ACCORDANCE WITH SECTION 304.2 OF NSCP 2015, THE ALLOWABLE BEARING CAPACITY USED FOR FOUNDATION IS **100 kPa**.
2. UNIT WEIGHT OF SOIL CONSIDERED IS 18 kN/m³.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER FOOTING EXCAVATION HAVE BEEN COMPLETED TO CONFIRM THE DESIGN SOIL BEARING CAPACITY.

CONCRETE:

3. THE CONCRETE DESIGN AND CONSTRUCTION WORKS ARE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE (ACI 318M-14) AND THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP C101-15).

SCHEDULE OF STRUCT'L CONCRETE AT 28 DAYS COMPRESSIVE STRENGTH

STRUCTURAL ELEMENTS	28-DAYS COMPRESSIVE STRENGTH (fc')
FOOTING	3,000psi (20.70 MPa)
BEAMS, COLUMNS & SUSPENDED SLAB	3,000psi (20.70 MPa)
SLAB ON FILL, RET. WALLS, CONC. FOR FENCE, LINTEL BEAMS & LINTEL COLUMNS	2,500 psi (17.24 MPa)
LEAN CONC.	1,500 psi (10.34 MPa)

2. AGGREGATES SHALL BE CHEMICALLY INERT, STRONG, HARD AND DURABLE, AND OF LIMITED POROSITY AND FREE FROM ADHERING COATINGS AND ORGANIC OR OTHER IMPURITIES THAT MAY CAUSE CORROSION OF THE REINFORCEMENT OR MAY IMPAIR THE STRENGTH AND DURABILITY OF THE CONCRETE.

SCHEDULE OF CONCRETE AGGREGATES

ITEMS	AGGREGATE SIZE
FOOTING	19mm (3/4 in)
SLABS, BEAMS, COLUMNS, OTHERS	19mm (3/4 in)
SLAB ON GRADE	25mm (1 in)



3. WATER FOR MIXING SHALL BE CLEAN AND FREE FROM OIL, ALKALIS, ACIDS, ORGANIC MATERIALS WHICH MIGHT AFFECT THE PROPERTIES OF CONCRETE AND STEEL.
4. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN (7) DAYS IMMEDIATELY AFTER POURING BY USING WET BURLAP, FOG SPRAYING OR OTHER APPROVED METHOD.
5. TESTING OF CONCRETE SHALL CONSIST OF COMPRESSIVE TESTS OF MOLDED CONCRETE CYLINDERS FOR STRENGTH AND SLUMP TESTS FOR CONSISTENCY.

REINFORCING STEEL:

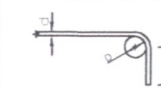
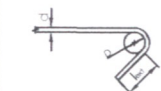
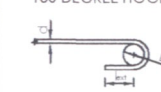
1. STEEL REINFORCEMENT SHALL BE **GRADE 60** FOR REINFORCEMENT WITH 16MMØ AND SHALL BE **GRADE 40** FOR REINFORCEMENT WITH 10MMØ AND 12MMØ.
2. UNLESS APPROVED BY THE ENGINEER, WELDING OF REINFORCING BARS SHALL NOT BE PERMITTED.
3. REINFORCING STEEL BARS MUST BE FREE FROM OIL, GREASE, LOOSE RUST, LOOSE MILL SACK OR OTHER HARMFUL MATTER IMMEDIATELY BEFORE POURING CONCRETE.
4. LAP SPICE SHALL COMPLY WITH ACI-318M-14 AND NSCP C101-15.
5. THE MINIMUM CLEAR COVER FOR REINFORCEMENTS SHALL BE AS FOLLOWS, UNLESS OTHERWISE SHOWN ON THE DRAWINGS:

STRUCTURAL ELEMENTS	CONCRETE COVER, mm
FOOTING	75
GROUND SLAB	40
SUSPENDED SLAB	20
BEAMS STIRRUPS & COLUMNS TIES	40
CONCRETE EXPOSED TO EARTH BUT POURED AGAINST FORMS	50
CONCRETE POURED DIRECTLY TO EARTH	75

6. STANDARD HOOKS:

TYPE OF STANDARD HOOK	BAR SIZE, d	BEND DIAMETER, D	STRAIGHT EXTENSION, l ext
 90 DEGREE HOOK Point at which bar is developed	Ø10mm to Ø25mm	6d	12d
	Ø28mm to Ø36mm	9d	
	Ø40mm & Ø58mm	10d	
 180 DEGREE HOOK Point at which bar is developed	Ø10mm to Ø25mm	6d	LARGER OF 4d & 65mm
	Ø28mm to Ø36mm	9d	
	Ø40mm & Ø58mm	10d	

7. STIRRUP & TIE HOOKS:

TYPE OF STANDARD HOOK	BAR SIZE, d	BEND DIAMETER, D	STRAIGHT EXTENSION, l ext
 90 DEGREE HOOK	Ø10mm to Ø16mm	4d	LARGER OF 4d & 75mm
	Ø20mm to Ø25mm	6d	12d
 135 DEGREE HOOK	Ø10mm to Ø16mm	4d	LARGER OF 6d & 75mm
	Ø20mm to Ø25mm	6d	
 180 DEGREE HOOK	Ø10mm to Ø16mm	4d	LARGER OF 6d & 65mm
	Ø20mm to Ø25mm	6d	

8. TABLE OF LAP SPICES

PARAMETERS

fc'=20.7 MPa fy=230 MPa


BAR DIAMETER (mm)	STANDARD HOOK (mm), l dh	TENSION SPICE LENGTH (mm)*	
		CLASS "A"	CLASS "B"
10	160	300	400
12	200	300	400
16	260	400	520
20	320	500	650
25	400	750	975
28	450	840	1100

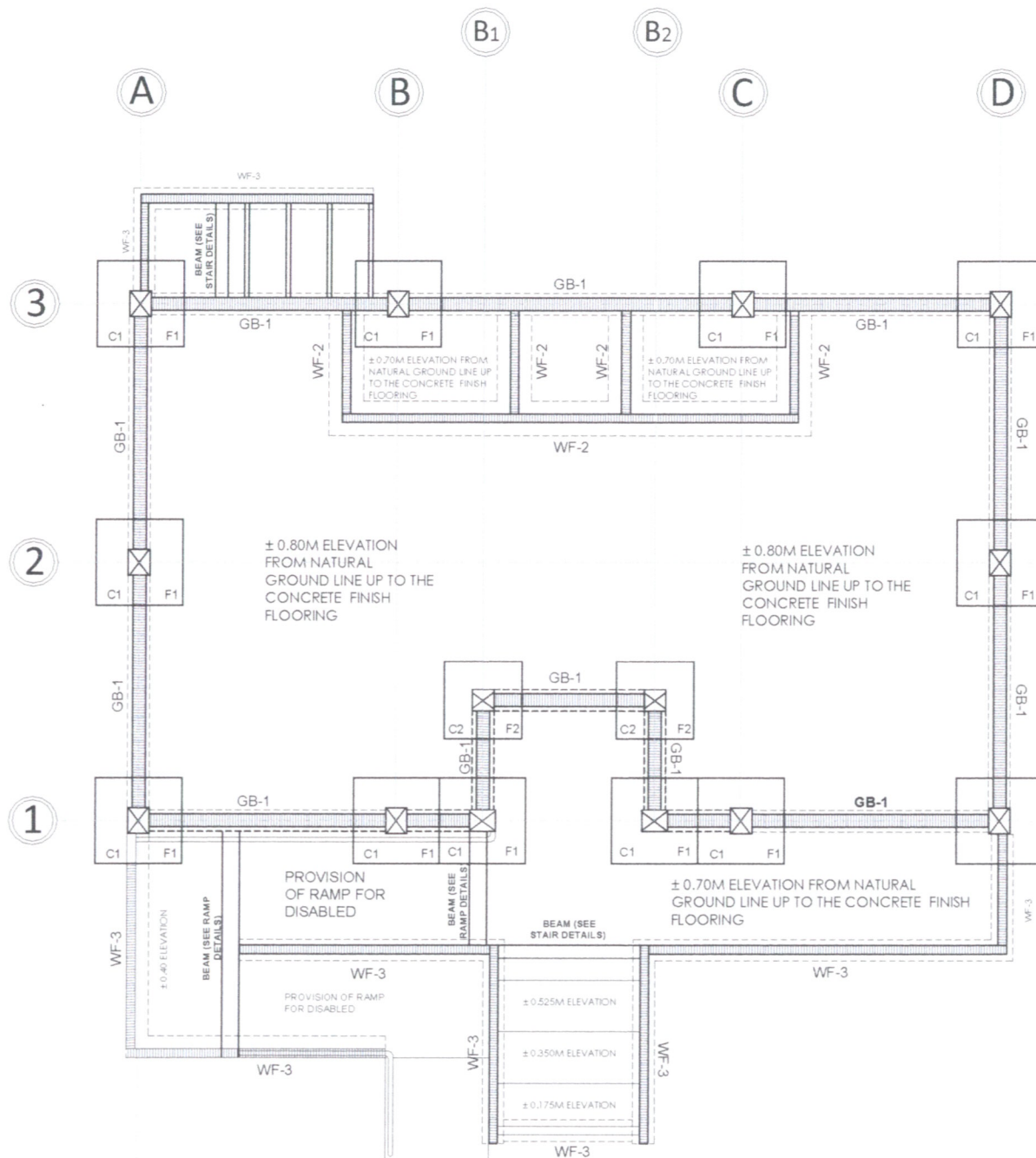
* For top bars (more than 300mm of concrete placed below the horizontal reinforcement) multiply the above values by 1.3

9. FORMWORKS REMOVAL

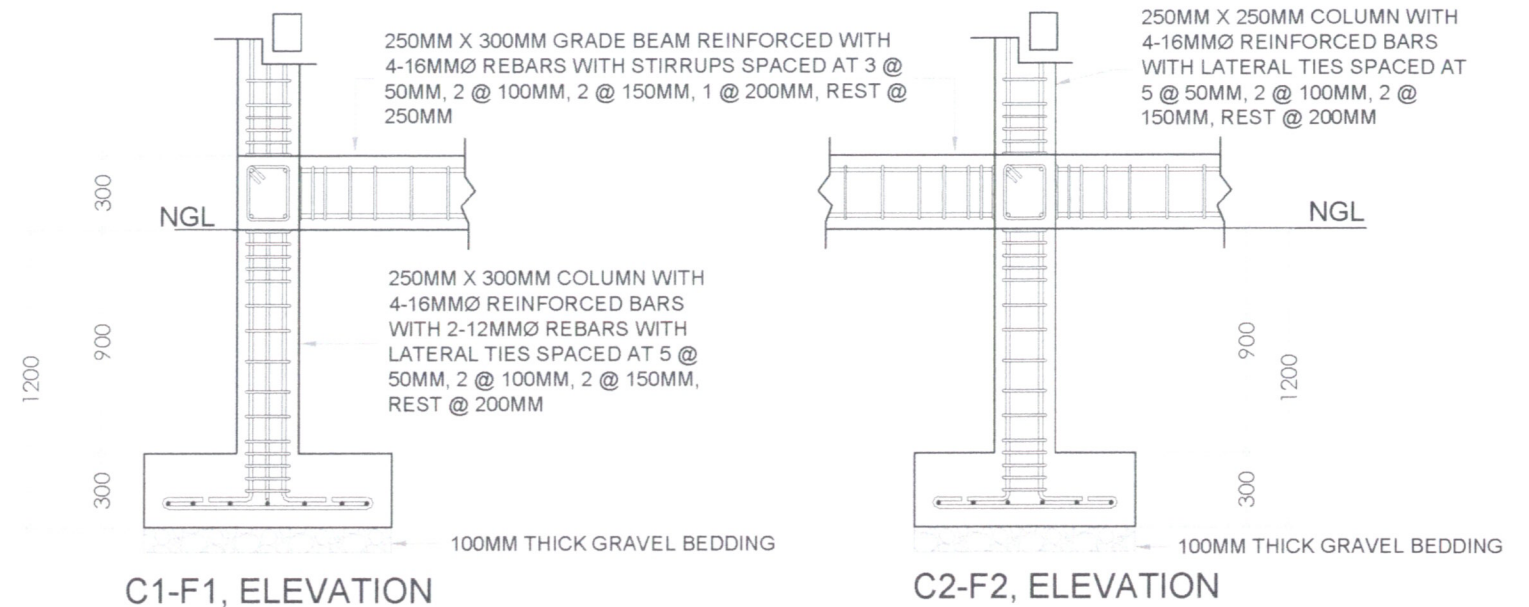
STRUCTURAL ELEMENTS	MINIMUM TIME REQUIRED BEFORE REMOVAL
FOOTING	24 HRS
SUSPENDED SLAB	21* DAYS
COLUMNS	48 HRS
BEAMS SOFFIT FORMS	21* DAYS
BEAMS SIDE FORMS	24 HRS

*IT CAN BE REMOVED AFTER A MINIMUM OF 14 DAYS IF APPROVED BY THE ENGINEER

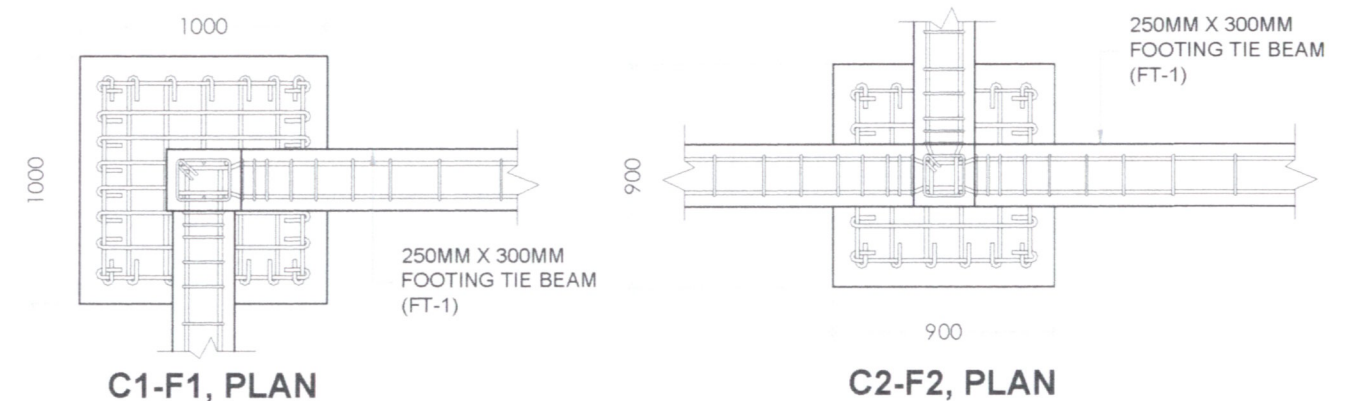
	OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	BRIAN P. BUNGABONG Civil Engineer	BRIAN P. BUNGABONG Civil Engineer	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ, T. PACIA		S/1
						CHECKED: BRIAN BUNGABONG		
						DATE:		
		LICENSE NO. 910792 VALID UNTIL 4-10-26 PTR NO. 21487714 DATE ISSUED 3-19-24	LICENSE NO. 0110792 VALID UNTIL 4-10-26 PTR NO. 21487714 DATE ISSUED 3-19-24	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				STRUCTURAL



FOUNDATION PLAN
SCALE: 1:75MM



COLUMN SCHEDULE					
MARK	H(m)	L(m)	W(m)	VERTICAL BARS	10mmØ STIRRUPS(m)
C1	4.70	0.30	0.25	4-16mmØ W/ 2-12mmØ DEF. BARS	5-0.05m, 2-0.10m, 2-0.15m, REST 0.20m
C2	4.70	0.25	0.25	4-16mmØ	5-0.05m, 2-0.10m, 2-0.15m, REST 0.20m

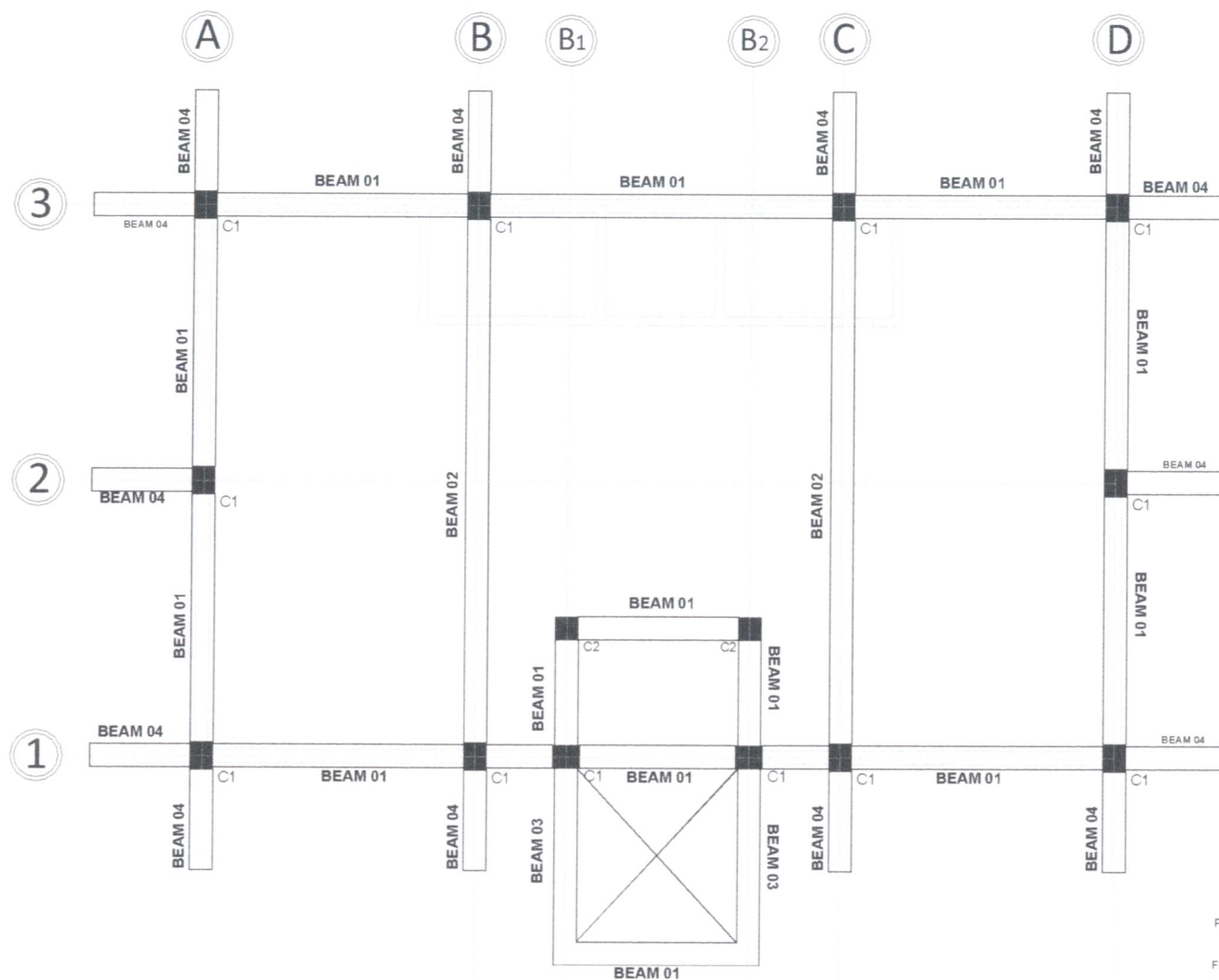


FOOTING SCHEDULE					
MARK	H(m)	L(m)	W(m)	BOTTOM BARS	TOP BARS
F1	0.30	1.00	1.00	7-16mm Ø	7-16mm Ø
F2	0.30	0.90	0.90	6-16mm Ø	6-16mm Ø

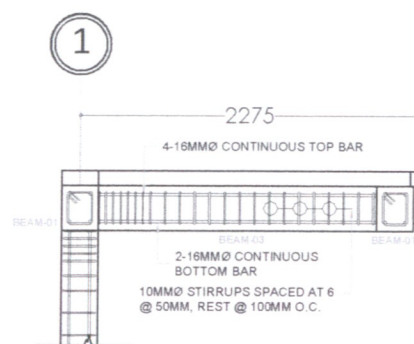
COLUMN-FOOTING DETAILS
SCALE: 1:30MM



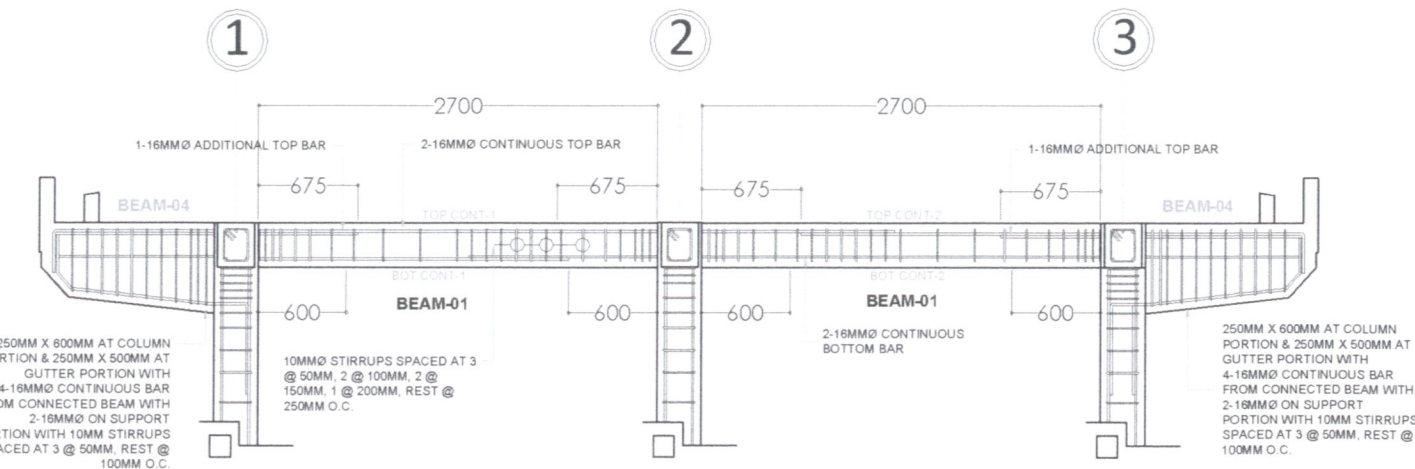
OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	BRIAN P. BUNGABONG Civil Engineer	BRIAN P. BUNGABONG Civil Engineer	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ, T. PACIA CHECKED BRIAN P. BUNGABONG DATE:		S/2
LICENSE NO. 0110792 PTR NO. 21487714	VALID UNTIL 4-10-26 DATE ISSUED 3-19-24	LICENSE NO. 0110792 PTR NO. 21487714	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				STRUCTURAL



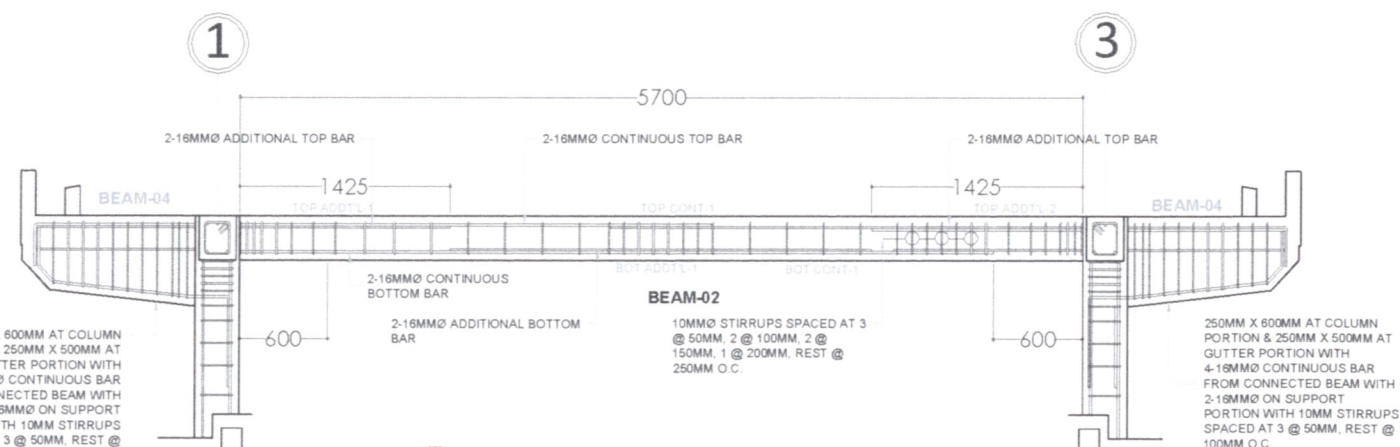
BEAM FRAMING PLAN
SCALE: 1:75MM



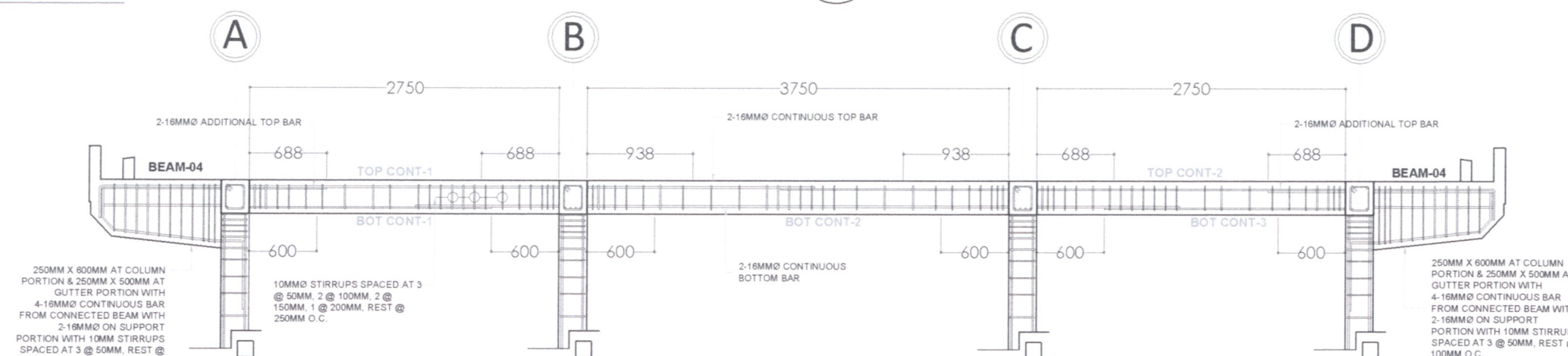
BEAM 03
SCALE: 1:50MM



BEAM 01- BEAM 04
SCALE: 1:50MM



BEAM 02
SCALE: 1:50MM

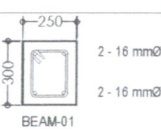
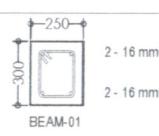
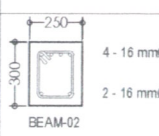
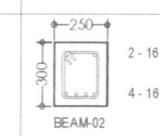
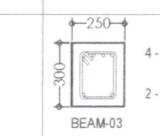
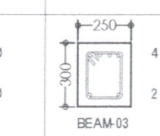
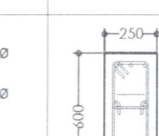


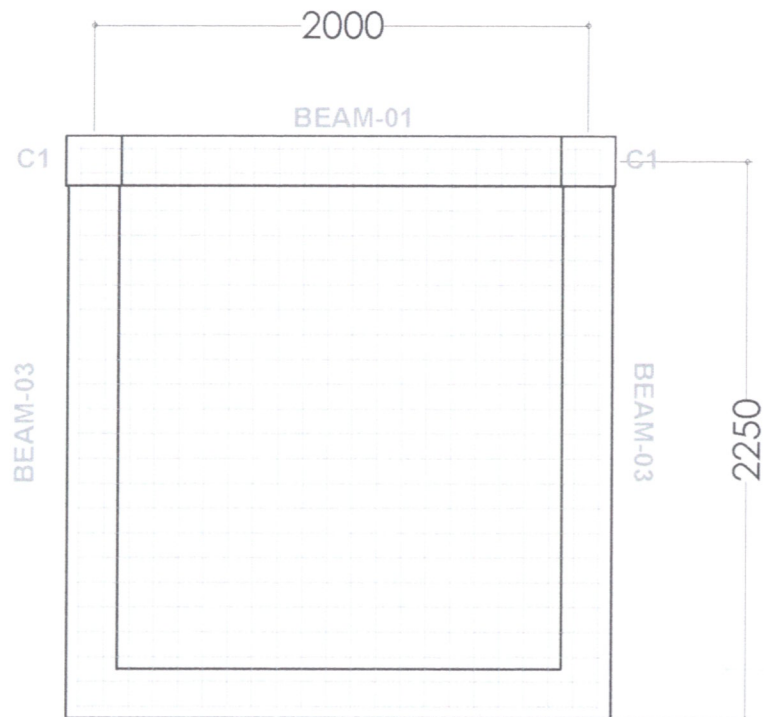
BEAM 01-BEAM 04
SCALE: 1:50MM



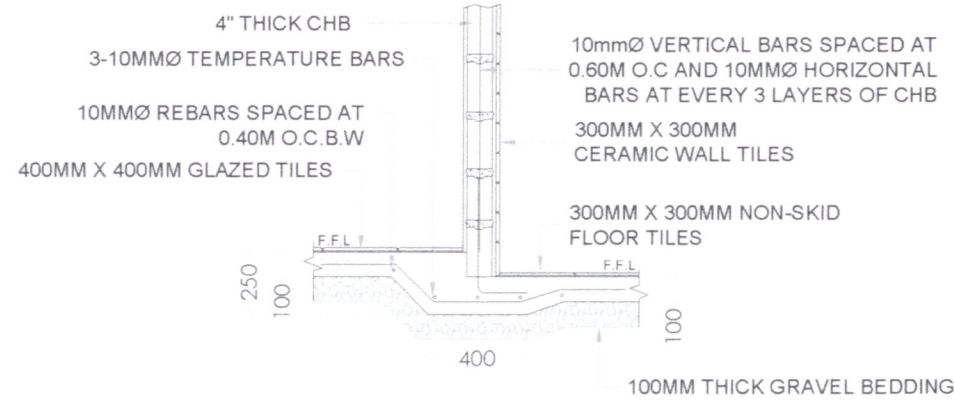
OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	BRIAN P. BUNGABONG Civil Engineer	BRIAN P. BUNGABONG Civil Engineer	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ, T. MACIA CHECKED BRIAN BUNGABONG DATE:		S/3
	LICENSE NO. 0110792 VALID UNTIL 4-10-26 PTR NO. 21487714 DATE ISSUED 3-19-24	LICENSE NO. 0110792 VALID UNTIL 4-10-26 PTR NO. 21487714 DATE ISSUED 3-19-24	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				STRUCTURAL

BEAM SCHEDULE

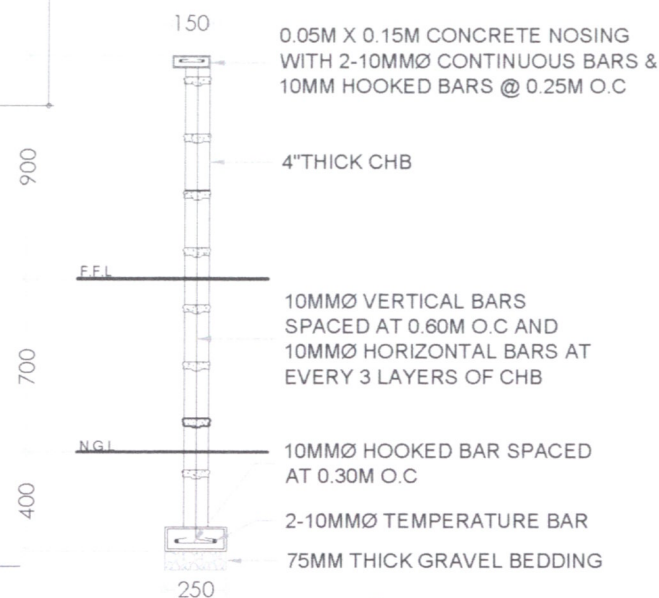
AT SUPPORT	AT MIDSPAN	AT SUPPORT	AT MIDSPAN	AT SUPPORT	AT MIDSPAN	THROUGHOUT THE SPAN
 <p>BEAM-01</p> <p>SIZE: 250mm x 300mm TOP BAR: 2 - 16 mmØ BOT BAR: 2 - 16 mmØ</p>	 <p>BEAM-01</p> <p>SIZE: 250mm x 300mm TOP BAR: 2 - 16 mmØ BOT BAR: 2 - 16 mmØ</p>	 <p>BEAM-02</p> <p>SIZE: 250mm x 300mm TOP BAR: 2 - 16 mmØ ADDITIONAL TOP BAR: 2 - 16 mmØ BOT BAR: 2 - 16 mmØ</p>	 <p>BEAM-02</p> <p>SIZE: 250mm x 300mm TOP BAR: 2 - 16 mmØ BOT BAR: 2 - 16 mmØ ADDITIONAL BOT BAR: 2 - 16 mmØ</p>	 <p>BEAM-03</p> <p>SIZE: 250mm x 300mm TOP BAR: 4 - 16 mmØ BOT BAR: 2 - 16 mmØ</p>	 <p>BEAM-03</p> <p>SIZE: 250mm x 300mm TOP BAR: 4 - 16 mmØ BOT BAR: 2 - 16 mmØ</p>	 <p>BEAM-04</p> <p>250MM x 600MM AT COLUMN PORTION & 250MM x 500MM AT GUTTER PORTION WITH 4-16MMØ CONTINUOUS BAR FROM CONNECTED BEAM WITH 2-16MMØ ON SUPPORT PORTION</p>
STIRRUPS: 10 mmØ 3 @ 50mm, 2 @ 100mm, 2 @ 150mm, 1 @ 200mm, REST @ 250mm O.C. UP TO MIDSPAN & CONVERSELY NOTE: SPACING OF STIRRUPS AT SPLICING ZONE IS 100mm STIRRUPS MUST BE PROVIDED WITH 135° HOOK		STIRRUPS: 10 mmØ 3 @ 50mm, 2 @ 100mm, 2 @ 150mm, 1 @ 200mm, REST @ 250mm O.C. UP TO MIDSPAN & CONVERSELY NOTE: SPACING OF STIRRUPS AT SPLICING ZONE IS 100mm STIRRUPS MUST BE PROVIDED WITH 135° HOOK		STIRRUPS: 10 mmØ 8 @ 50mm, REST @ 100mm O.C. UP TO MIDSPAN & CONVERSELY NOTE: SPACING OF STIRRUPS AT SPLICING ZONE IS 100mm STIRRUPS MUST BE PROVIDED WITH 135° HOOK		STIRRUPS: 10 mmØ U-HOOK: 10 mmØ 3 @ 50mm, REST @ 100mm O.C. UP TO MIDSPAN & CONVERSELY NOTE: SPACING OF STIRRUPS AT SPLICING ZONE IS 100mm STIRRUPS MUST BE PROVIDED WITH 135° HOOK



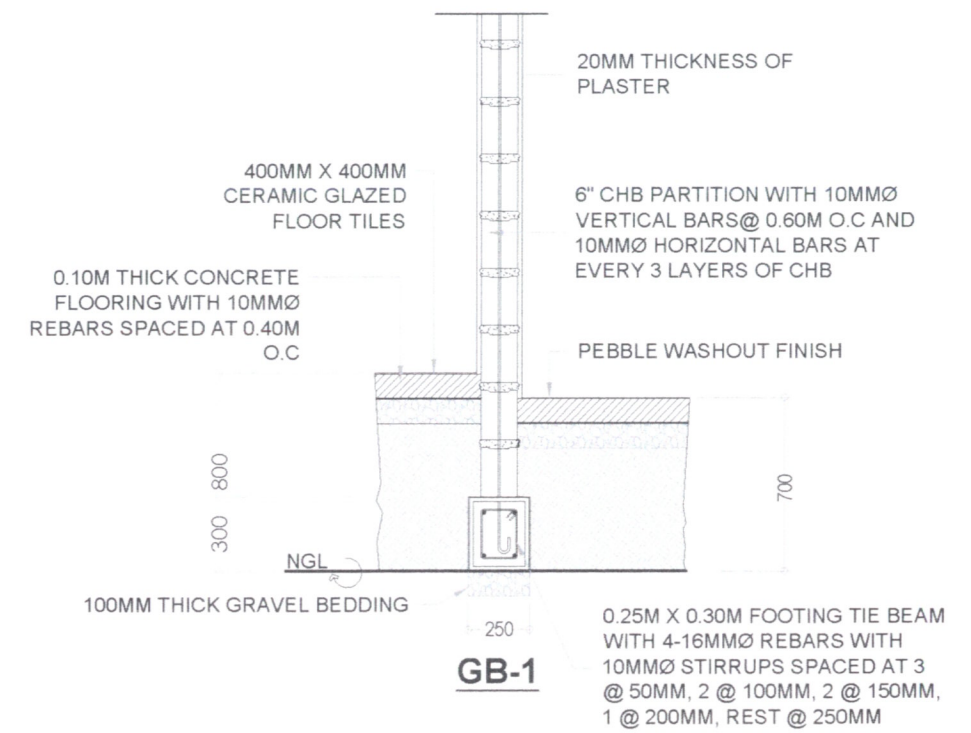
CANOPY DETAILS
SCALE: 1:30MM



WF-2 DETAILS
SCALE: 1:30MM

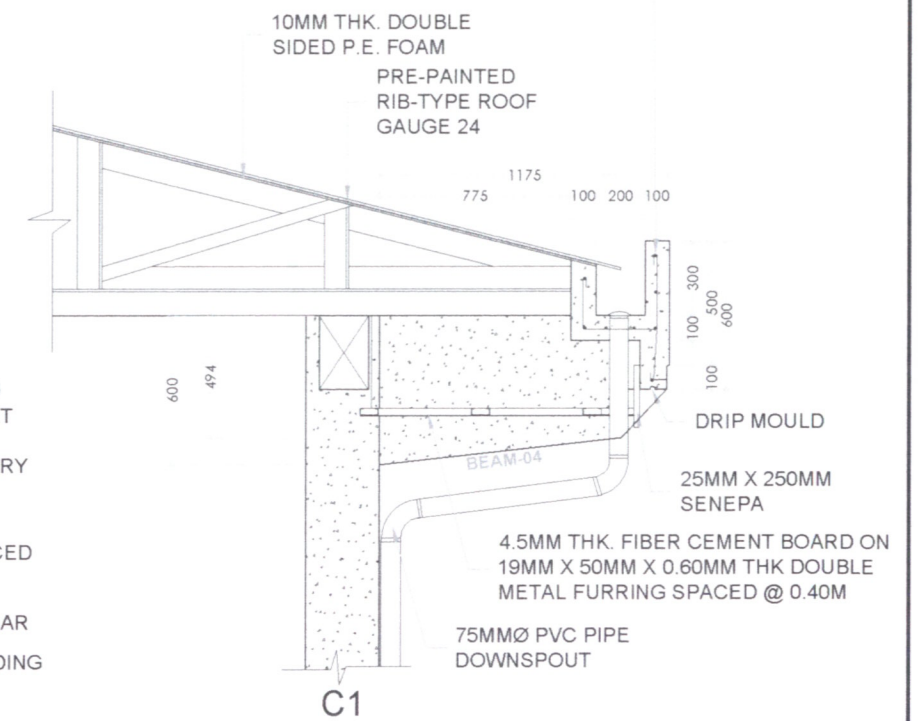


WF-3 DETAILS
SCALE: 1:30MM



GRADE BEAM DETAILS
SCALE: 1:30MM

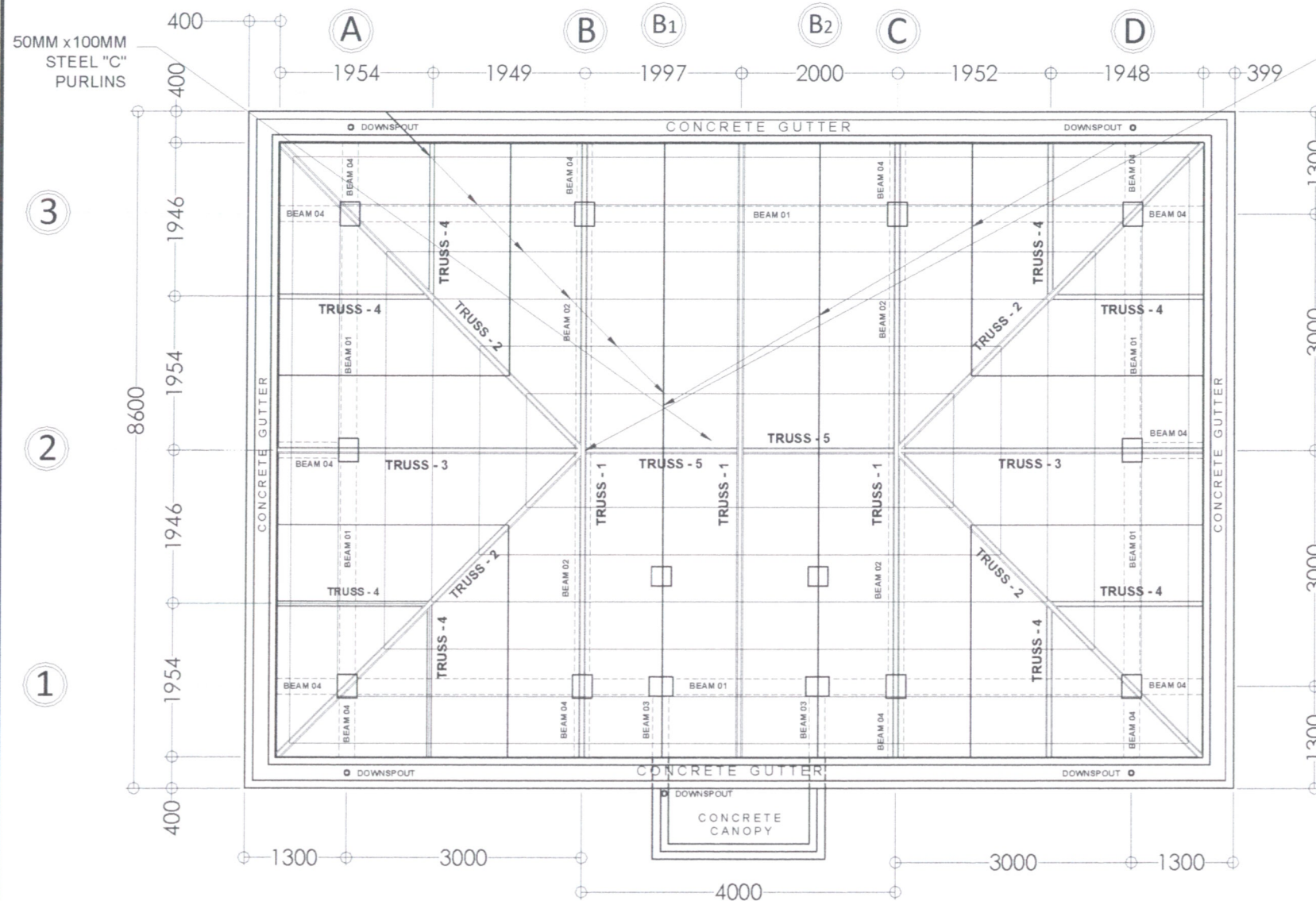
3000PSI CONCRETE GUTTER WITH 5-12MMØ & 3-10MMØ CONTINUOUS BARS AND 10MMØ HOOKED BAR SPACED @ 0.15 M.O.C



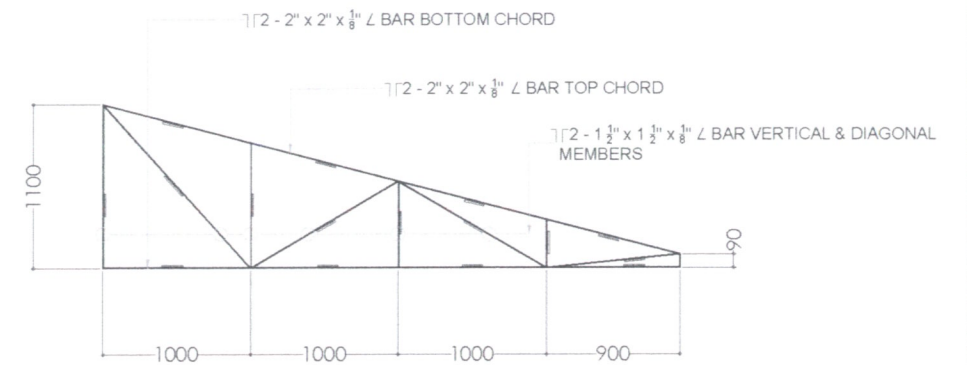
CONCRETE GUTTER DETAILS
SCALE: 1:30MM



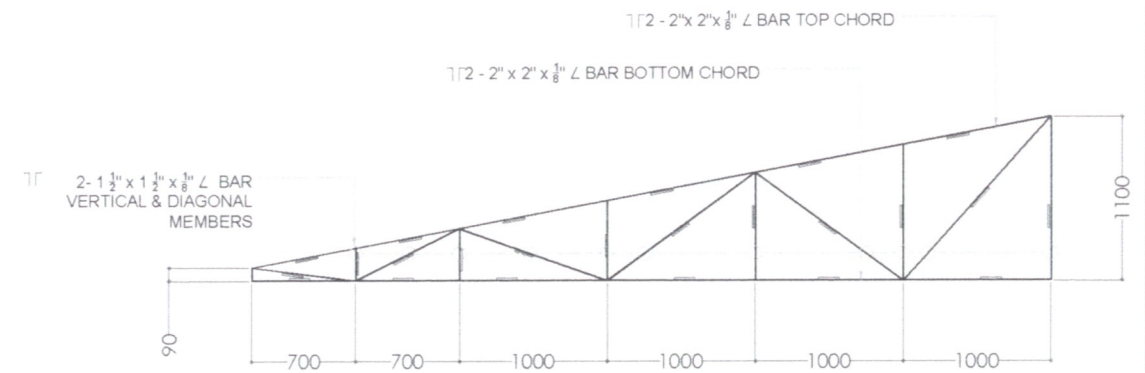
OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	BRIAN P. BUNGABONG Civil Engineer	BRIAN P. BUNGABONG Civil Engineer	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ T. PACIA CHECKED: BRIAN BUNGABONG DATE:		S/4
LICENSE NO: 0110792 PTR NO: 21487714	VALID UNTIL: 4-10-26 DATE ISSUED: 3-19-24	LICENSE NO: 0110792 PTR NO: 21487714	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				STRUCTURAL



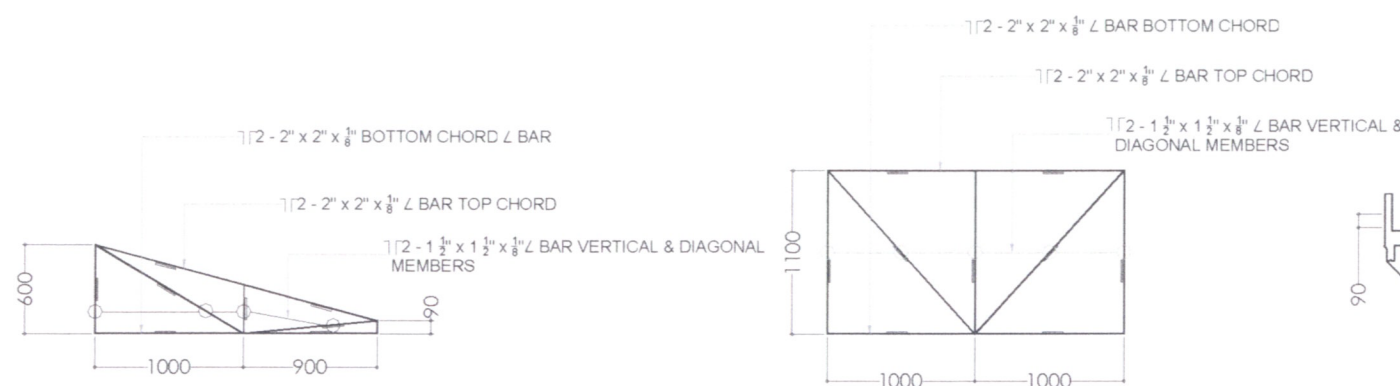
ROOF FRAMING PLAN
SCALE: 1:75MM



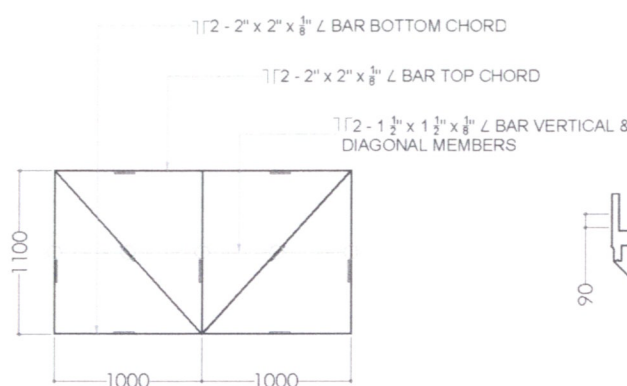
TRUSS-3 DETAILS
SCALE: 1:50MM



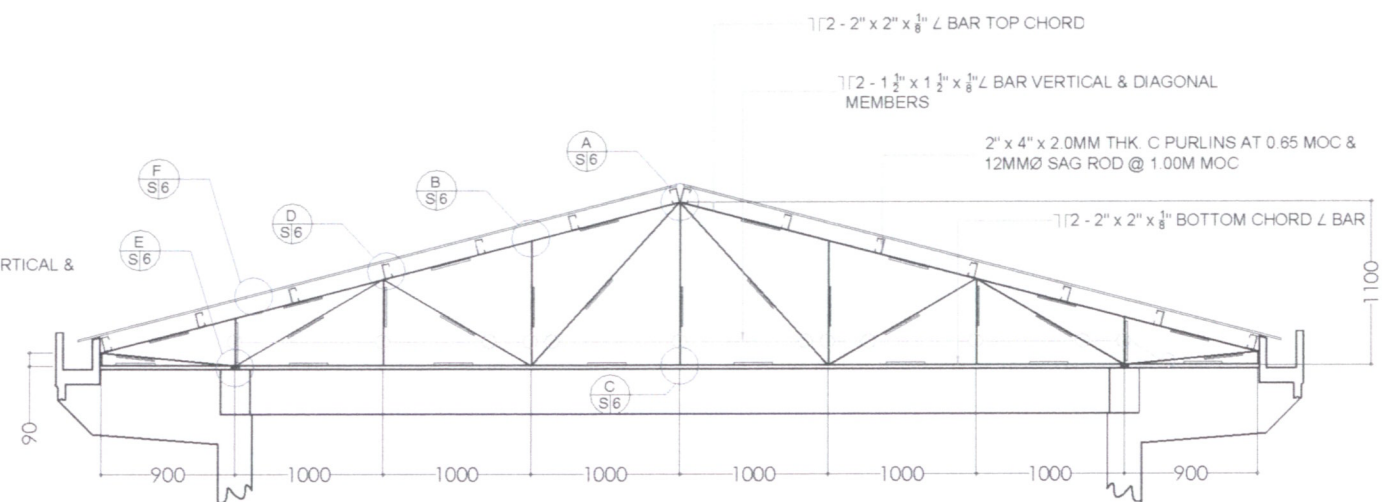
TRUSS-2 DETAILS
SCALE: 1:50MM



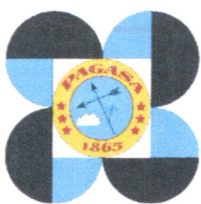
TRUSS-1 DETAILS
SCALE: 1:50MM



TRUSS-5 DETAILS
SCALE: 1:50MM



TRUSS-1 DETAILS
SCALE: 1:50MM



OWNER
NATHANIEL T. SERVANDO, Ph.D.
ADMINISTRATOR

DESIGNER
BRIAN P. BUNGABONG
Civil Engineer

ENGINEER
BRIAN P. BUNGABONG
Civil Engineer

PROJECT TITLE
CONSTRUCTION OF PAGASA SYNOPTIC
STATION BUILDING, OBSERVER'S
QUARTERS, POWERHOUSE,
PERIMETER FENCE, GATE & SIGNAGE
LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN
ROAD, BAYBAY CITY, LEYTE

SHEET CONTENT
AS SHOWN

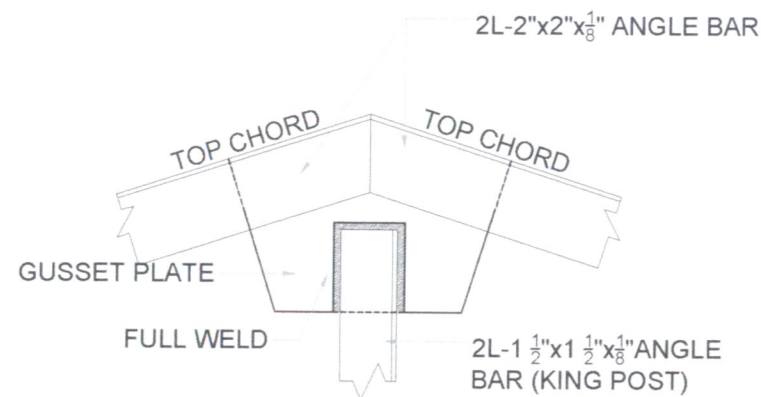
DRAWN BY:
R. DELA CRUZ, T. PACIA
CHECKED:
BRIAN BUNGABONG
DATE:

REVISIONS

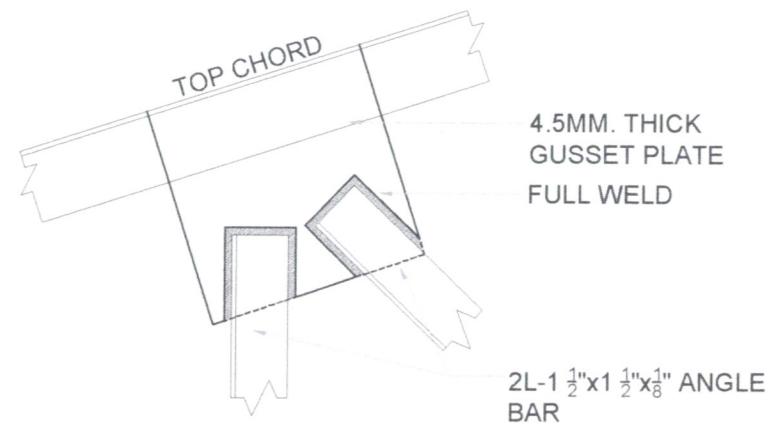
SHEET NO.

S/5

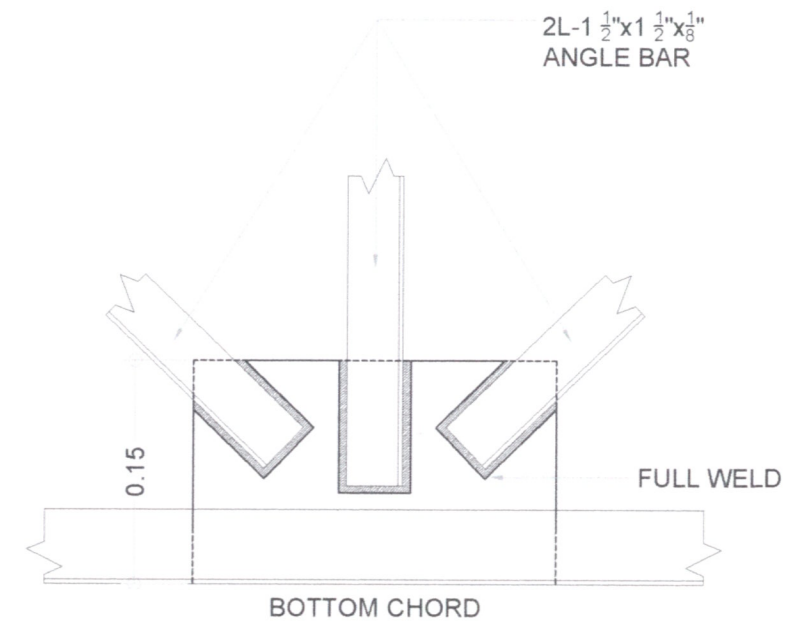
STRUCTURAL



S 6
1
DETAIL A
SCALE: 1:5MM



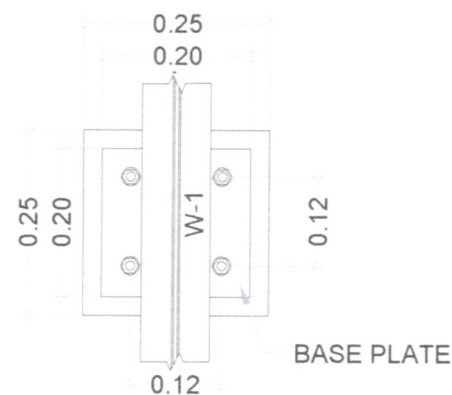
S 6
2
DETAIL B
SCALE: 1:5MM



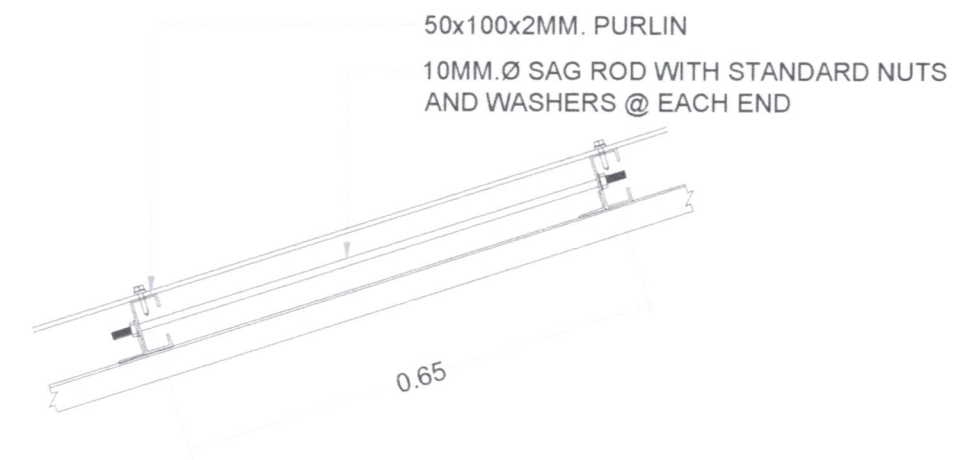
S 6
3
DETAIL C
SCALE: 1:5MM



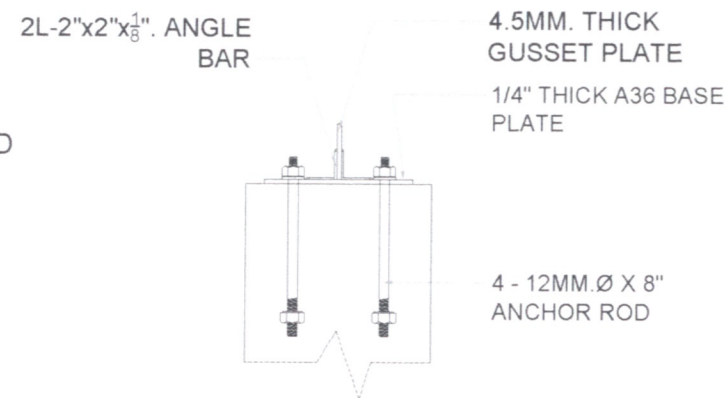
S 6
4
DETAIL D
SCALE: 1:10MM



S 6
5
DETAIL E
SCALE: 1:10MM



S 6
6
DETAIL F
SCALE: 1:10MM



OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, PH.D. ADMINISTRATOR	BRIAN P. BUNGABONG Civil Engineer	BRIAN P. BUNGABONG Civil Engineer	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ, T. PACIA CHECKED BRIAN BUNGABONG DATE:		S/6
	LICENSE NO. 0110792 RTR NO. 21487714	LICENSE NO. 0110792 RTR NO. 21487714	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				STRUCTURAL

150MM X 200MM BEAM WITH
4-12MMØ REBARS WITH 10MMØ
STIRRUPS SPACED AT 150MM
O.C

100MM THICK FLOOR SLAB

10MMØ HOOKED BAR SPACED
AT 175MM O.C

10MMØ TEMPERATURE BAR
SPACED AT 250MM O.C

12MMØ MAIN BAR SPACED AT
175MM O.C

WF-3

10MMØ TOP BAR
SPACED @ 500MM
O.C.

10MMØ BOTTOM BAR
SPACED @ 500MM
O.C.

75MM THK. GRAVEL
BEDDING

1500

100

S 7
1 STAIR DETAILS
SCALE: 1:20MM

S 7
2 PATHWALK DETAILS
SCALE: 1:20MM

1100

2800

100MM THICK GRAVEL BEDDING

150MM X 200MM LINTEL BEAM
WITH 4-12MMØ REBARS WITH
10MMØ STIRRUPS SPACED AT
150MM O.C

10MM THICK SLAB WITH 12MMØ
REBARS SPACED AT 400MM
O.C.B.W

150MM X 200MM LINTEL
BEAM WITH 4-12MMØ
REABRS WITH 10MMØ
STIRRUPS SPACED AT
150MM O.C

400

1200

700

250

WF-3

S 7
3 PWD RAMP DETAILS
SCALE: 1:20MM



OWNER

NATHANIEL T. SERVANDO, Ph.D.
ADMINISTRATOR

DESIGNER

BRIAN R. BUNGABONG
Civil Engineer

ENGINEER

BRIAN R. BUNGABONG
Civil Engineer

PROJECT TITLE

CONSTRUCTION OF PAGASA SYNOPTIC
STATION BUILDING, OBSERVER'S
QUARTERS, POWERHOUSE,
PERIMETER FENCE, GATE & SIGNAGE

SHEET CONTENT

AS SHOWN

DRAWN BY:

R. DELA CRUZ, T. PACIA

CHECKED:

BRIAN BUNGABONG

DATE:

REVISIONS

SHEET NO.

S/7

STRUCTURAL

LICENSE NO. 0110792

VALID UNTIL 4-10-24

LICENSE NO. 011792

VALID UNTIL 4-10-24

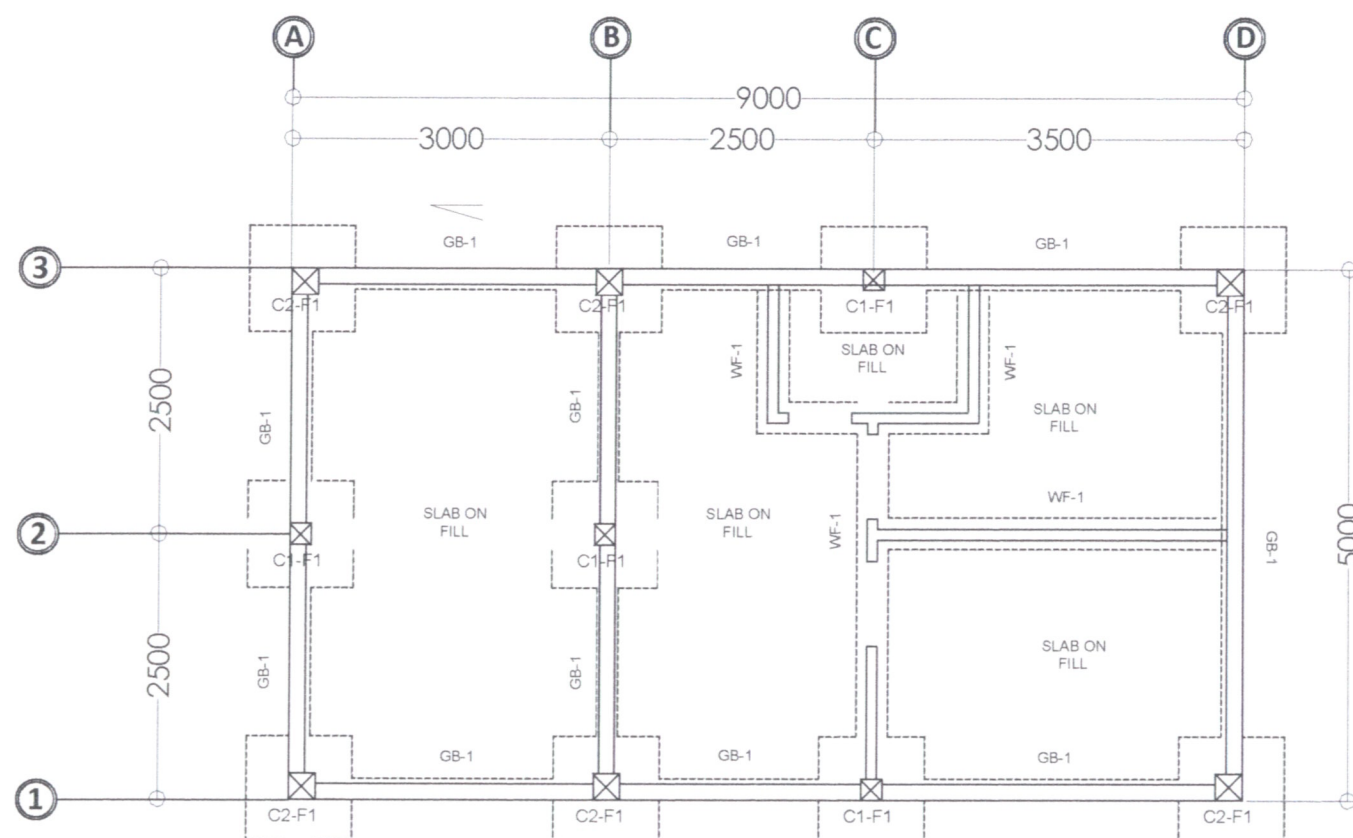
PTR NO. 21487714

DATE ISSUED 3-19-24

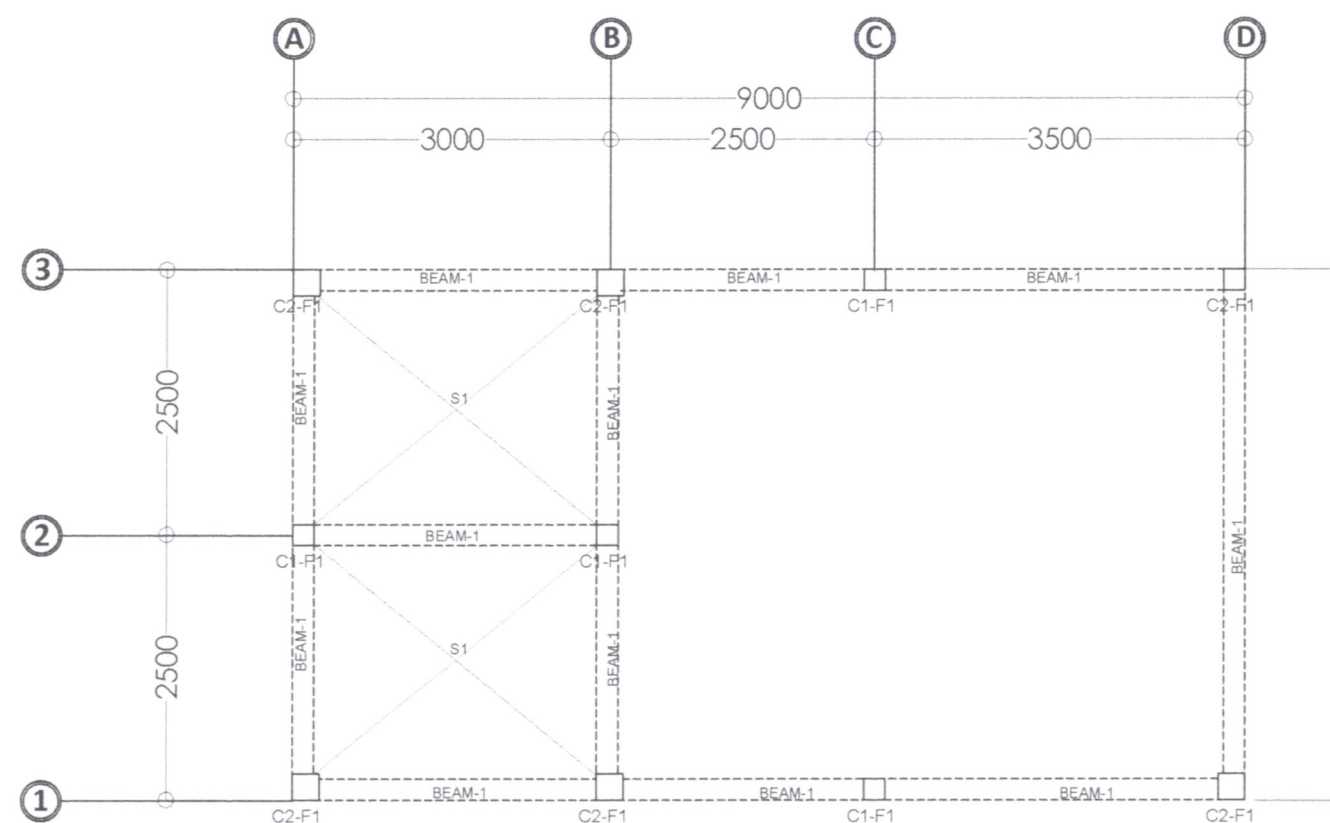
PTR NO. 21487714

DATE ISSUED 3-19-24





LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN
ROAD, BAYBAY CITY, LEYTE



FOUNDATION PLAN
SCALE: 1:70MM









ROOF BEAM FRAMING
SCALE: 1:70MM

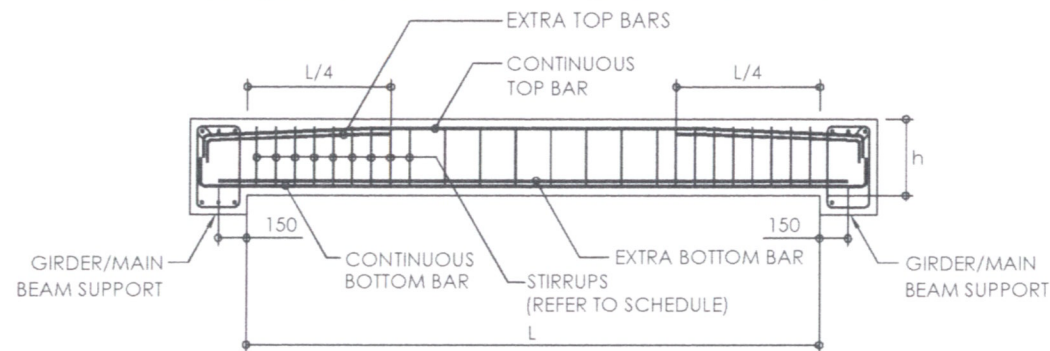
	OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
	 NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	 BRIAN P. BUNGABONG Civil Engineer	 BRIAN P. BUNGABONG Civil Engineer	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE	AS SHOWN	R. DELA CRUZ, T. PACIA CHECKED BRIAN BUNGABONG DATE:		S/8 STRUCTURAL
		LICENSE NO. 0110792 VALID UNTIL 4-10-26 PTR NO. 21487714 DATE ISSUED 3-19-24	LICENSE NO. 011792 VALID UNTIL 4-10-26 PTR NO. 21487714 DATE ISSUED 3-19-24					

SCHEDULE OF SUSPENDED SLAB									REMARKS
DESIGNATION	THICKNESS (mm)	REAR LOCATION	REBAR @ SUPPORT ALONG SHORT SIDE		REBAR @ SUPPORT ALONG LONG SIDE		REBAR @ MIDSPAN		
			TOP	BOTTOM	TOP	BOTTOM	ALONG SHORT SIDE	ALONG LONG SIDE	
S1	100	FREE-END	12mm @ 300mm	12mm @ 300mm	12mm @ 300mm	12mm @ 300mm	12mm @ 200mm	12mm @ 300mm	ONE-WAY
		CONT-END	12mm @ 300mm	12mm @ 300mm	12mm @ 300mm	12mm @ 300mm			

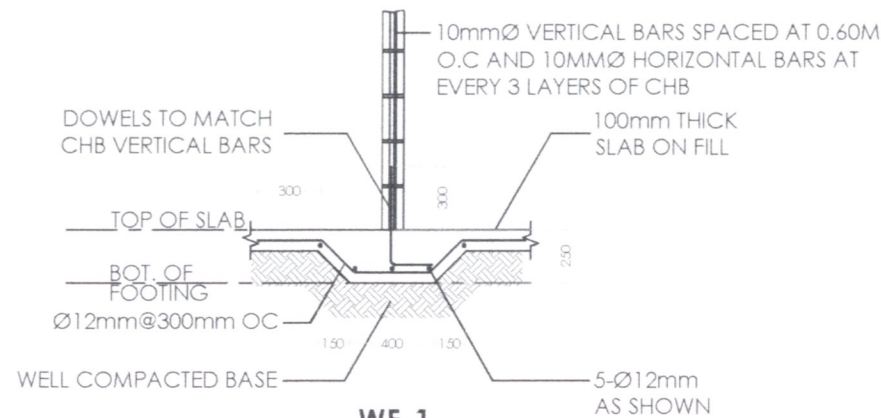
NOTE: FOR SLAB ON-GRADE, USE 10mm TEMP. BARS @ 400mm O.C. BOTHWAYS AND 10mm THICK GRAVEL BED.

SCHEDULE OF BEAMS										
LEVEL	MARK	DIMENSION(MM)		REBAR ARRANGEMENT						
		B	H	BAR POSITION	LEFT SUPPORT		MID-SPAN		RIGHT SUPPORT	
FOUNDATION	FTB	200	300	TOP BAR		2-Ø16		2-Ø16		2-Ø16
				WEB BAR		-		-		-
				BOTTOM BAR		2-Ø16		2-Ø16		2-Ø16
ROOF	B-1	200	300	TOP BAR		3-Ø16		3-Ø16		3-Ø16
				WEB BAR		-		-		-
				BOTTOM BAR		3-Ø16		3-Ø16		3-Ø16

STIRRUPS: 10mmØ SPACED @ 3-0.05, 3-0.10m, 3-0.15m REST @ 0.20m O.C. BOTH ENDS.



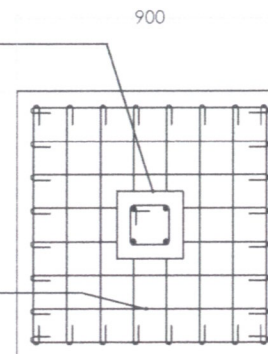
TYPICAL BEAM DETAILS
SCALE: NTS



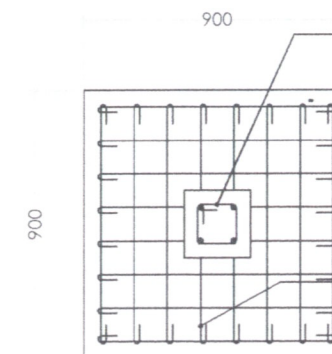
WALL FOOTING DETAILS
SCALE: 1:35MM

0.20X0.20m COL WITH
4- 16mmØ VERTICAL BARS,
10mmØ TIES SPACED AS
FOLLOWS: 3 @ 50mm, 3 @
100mm, 3 @150mm AND REST
@ 200mm ON CENTERS

8-16mmØ MATTING BARS
SPACED EQUALLY BOTHWAYS



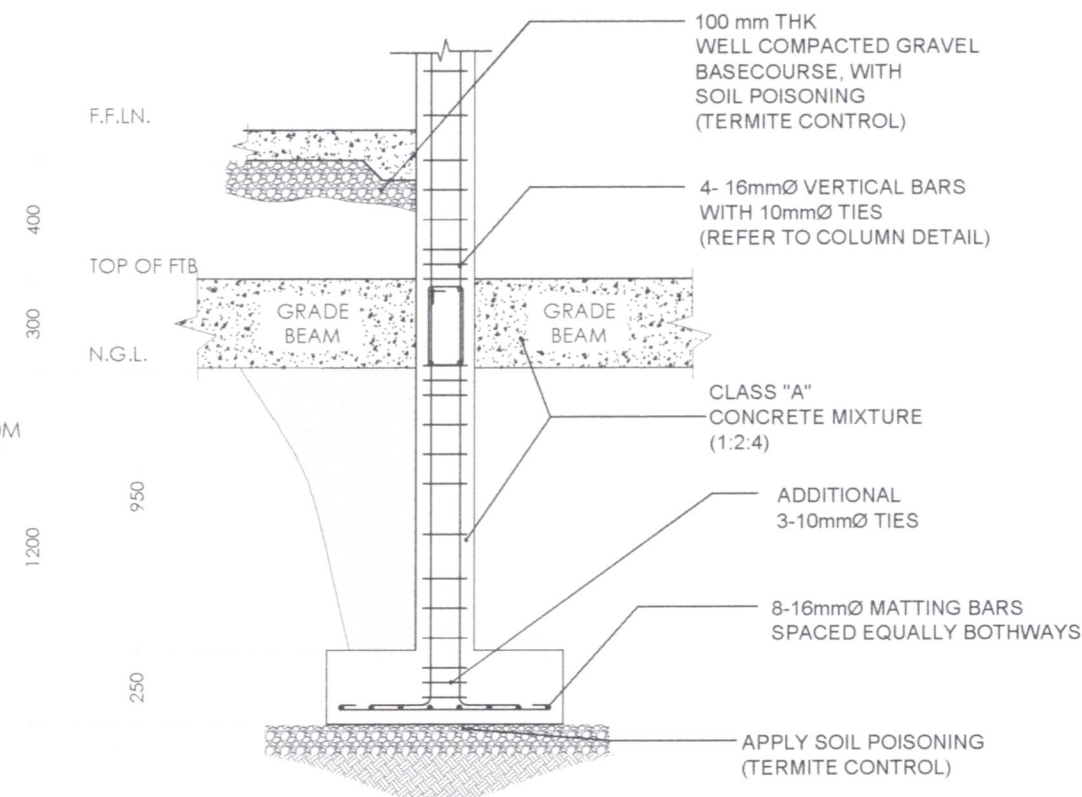
C1-F1 PLAN



C2-F1 PLAN

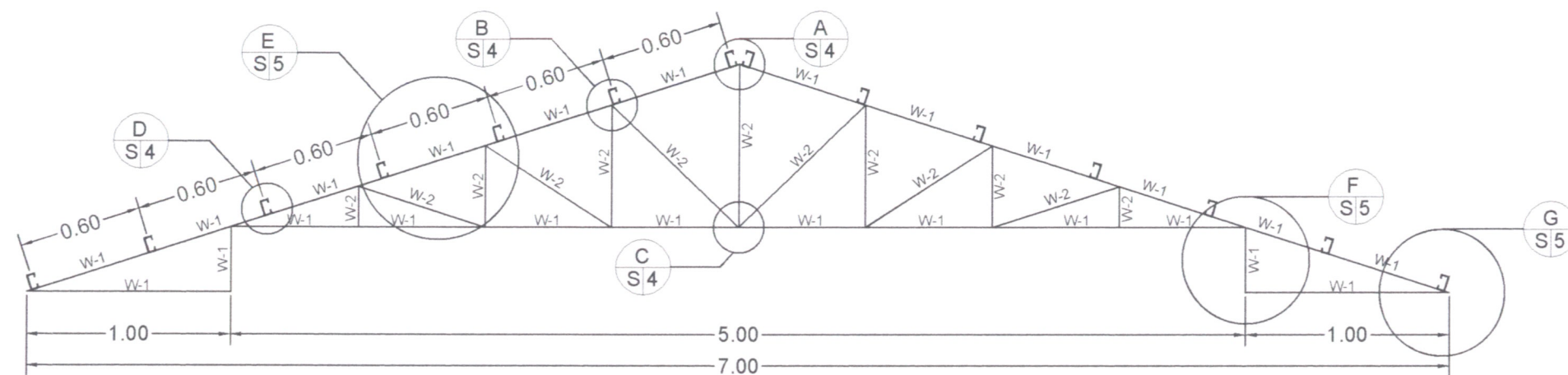
0.25X0.25m COL WITH
4- 16mmØ VERTICAL BARS,
10mmØ TIES SPACED AS
FOLLOWS:
3 @ 50mm, 3 @ 100mm, 3 @150mm
AND REST @ 200mm ON CENTERS

8-16mmØ MATTING BARS
SPACED EQUALLY
BOTHWAYS

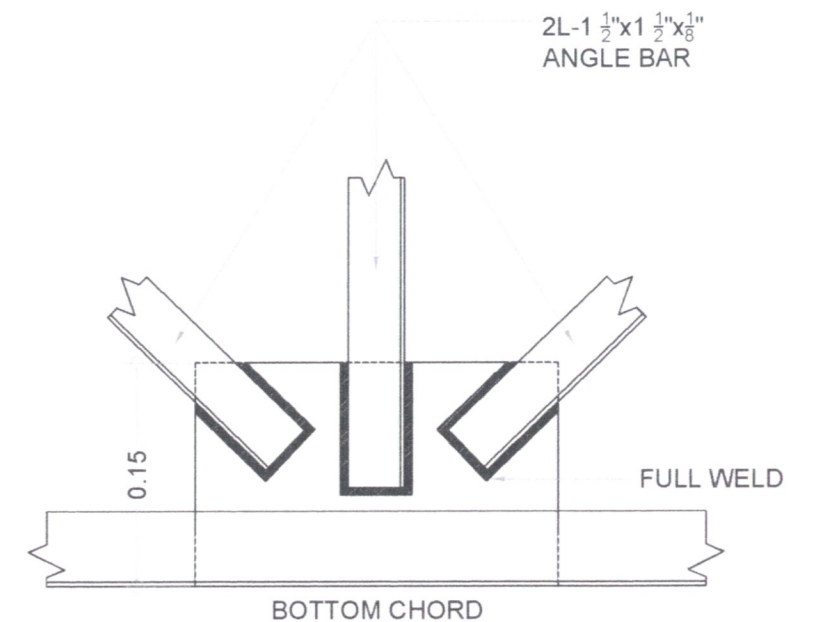


COLUMN FOOTING DETAILS
SCALE: 1:25MM

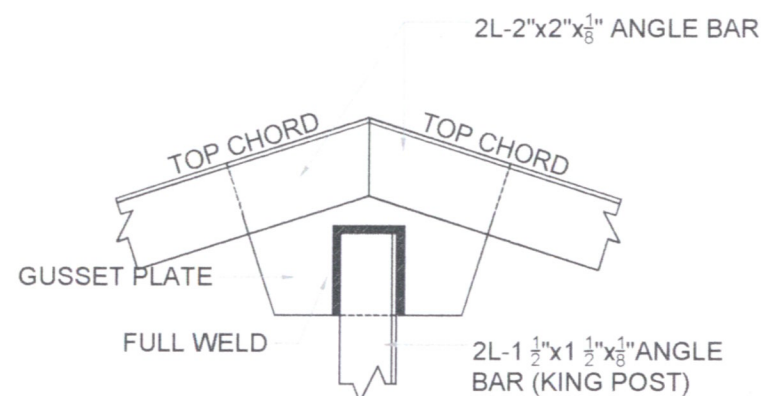
	OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	BRIAN P. BUNGABONG Civil Engineer	BRIAN P. BUNGABONG Civil Engineer	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ T. PACIA		S/9
						CHECKED: BRIAN BUNGABONG		
						DATE:		
		LICENSE NO. 0110792 PTR NO. 21487714	VALID UNTIL 4-10-24 DATE ISSUED 3-19-24	LICENSE NO. 0110792 PTR NO. 21487714	VALID UNTIL 4-10-24 DATE ISSUED 3-19-24	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE		STRUCTURAL



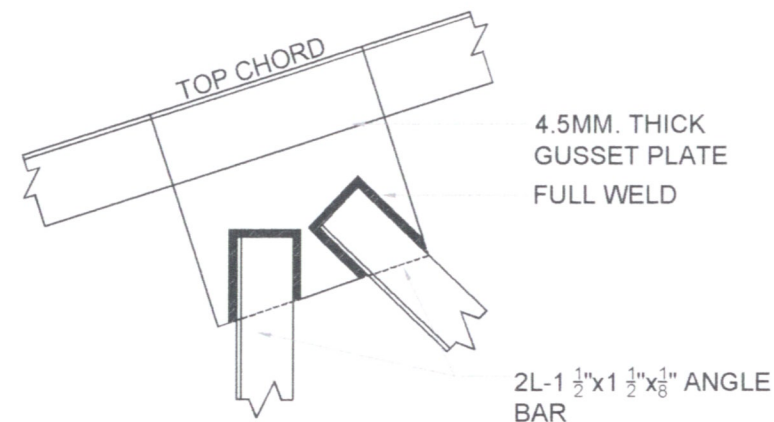
TRUSS-1 DETAILS
SCALE: 1:30MM



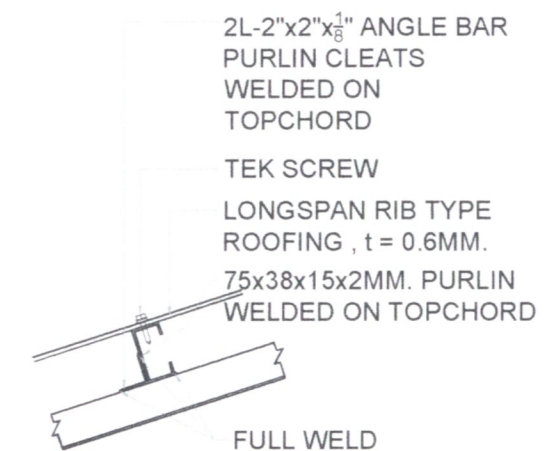
DETAIL OF C
SCALE: 1:5MM



DETAIL OF A
SCALE: 1:5MM



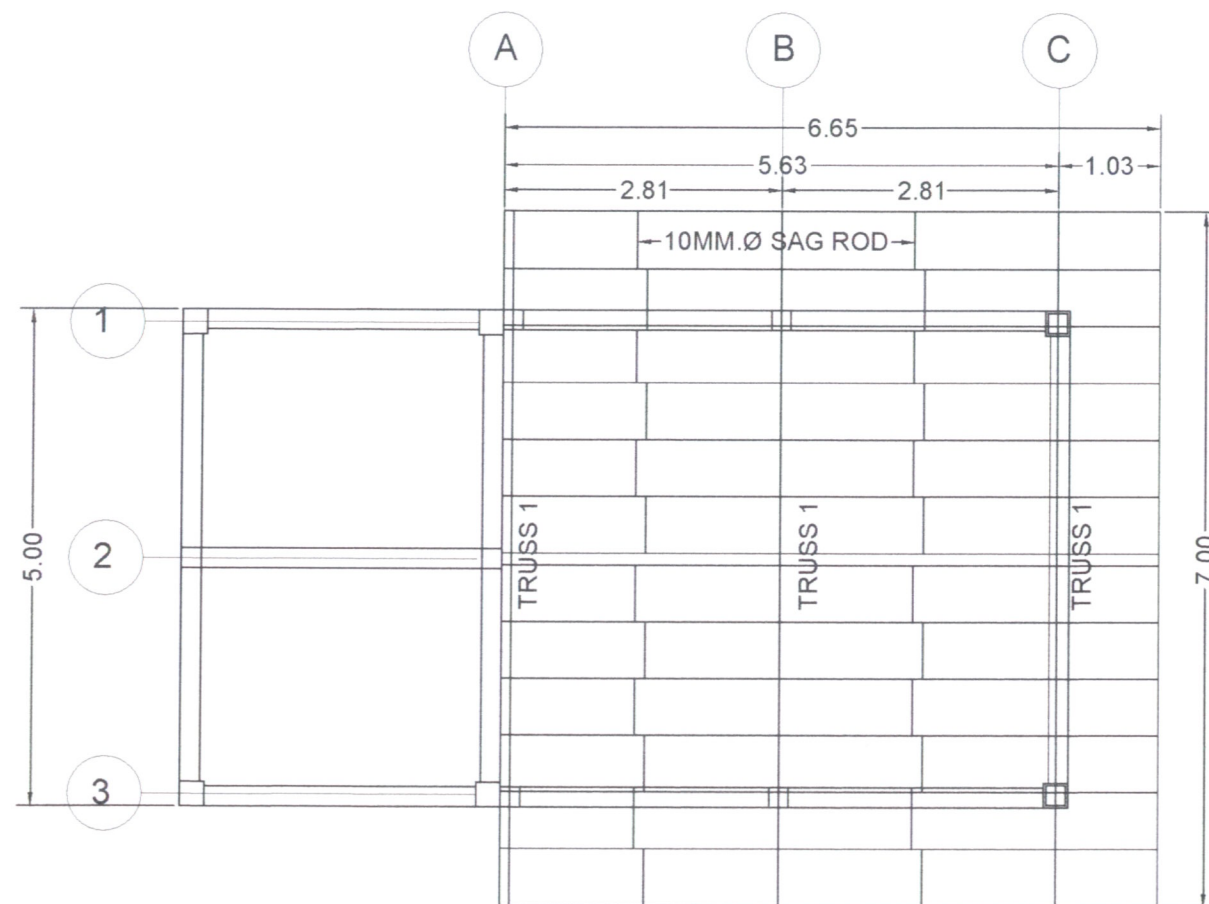
DETAIL OF B
SCALE: 1:5MM



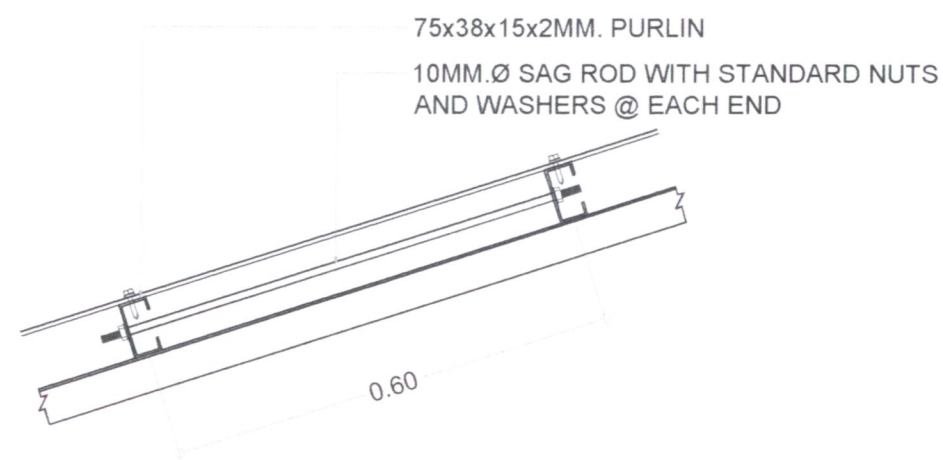
DETAIL OF D
SCALE: 1:10MM



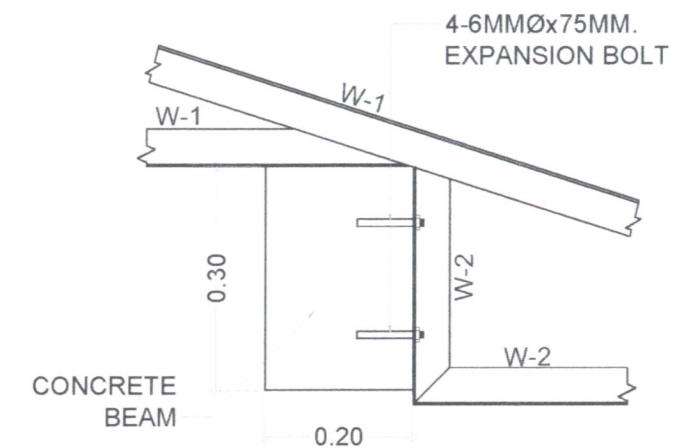
OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	BRIAN B. BUNGABONG Civil Engineer	BRIAN B. BUNGABONG Civil Engineer	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ, T. PACIA CHECKED: BRIAN BUNGABONG DATE:		S/10
	LICENSE NO. 0110792 PTR NO. 21487714	LICENSE NO. 0110792 PTR NO. 21487714	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				STRUCTURAL



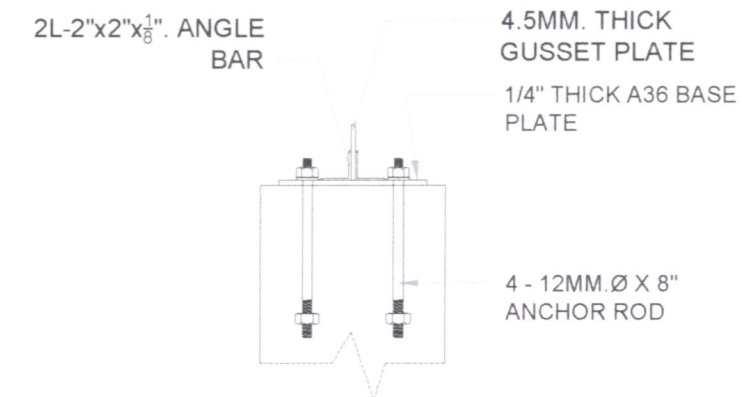
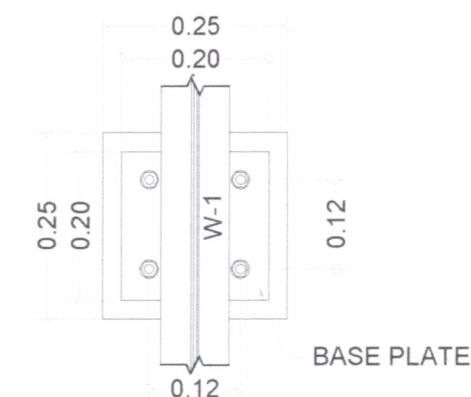
ROOF FRAMING DETAILS
SCALE: 1:75MM



DETAIL OF E
SCALE: 1:10MM

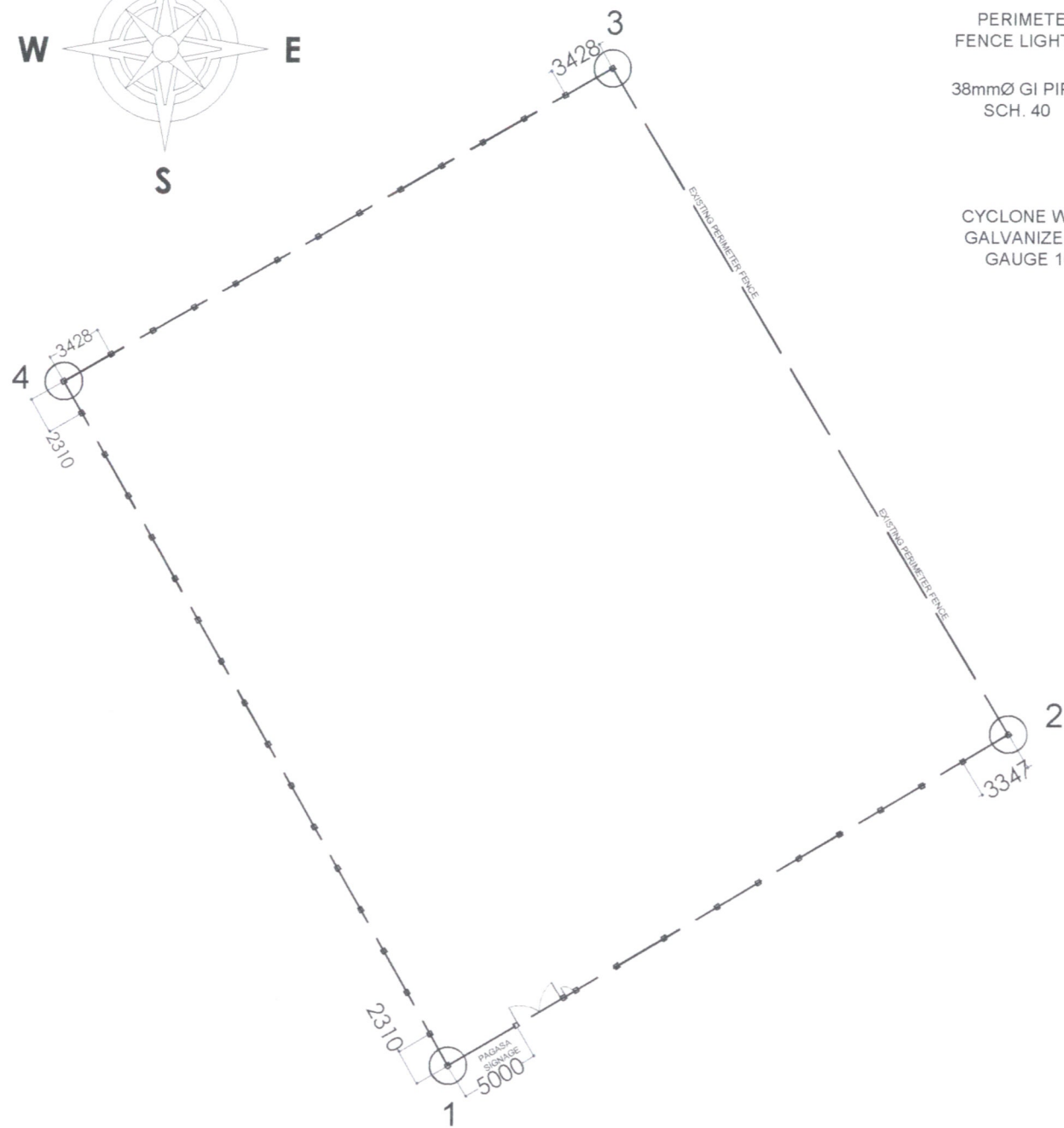
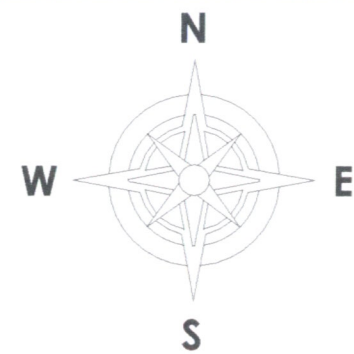


DETAIL OF F
SCALE: 1:10MM

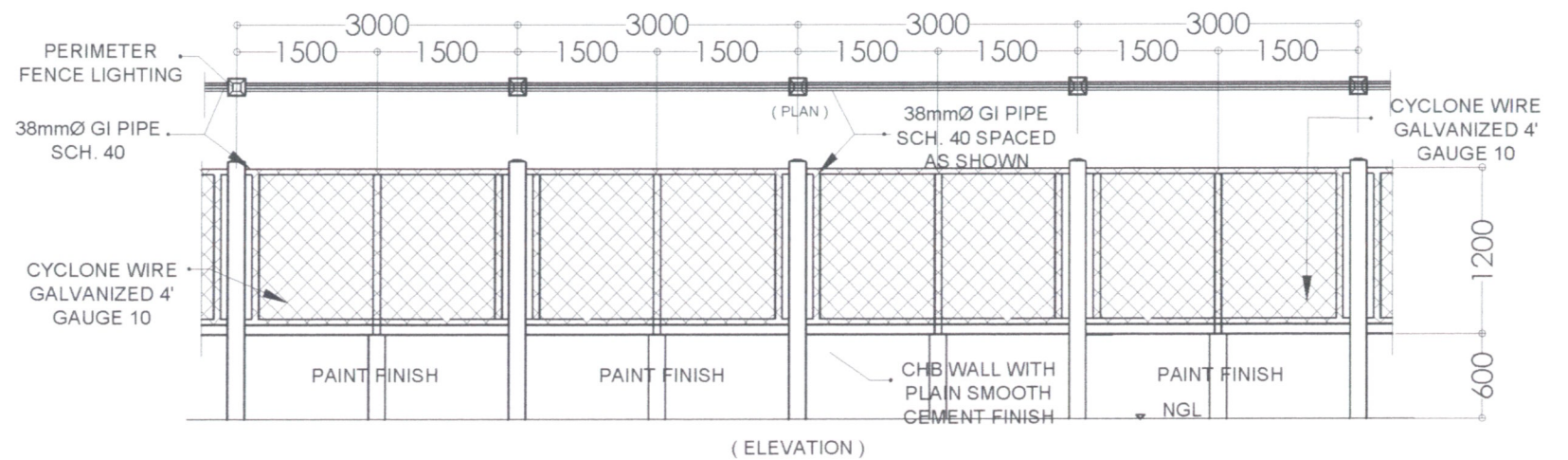


ANCHOR ROD CON. DETAIL
SCALE: 1:10MM

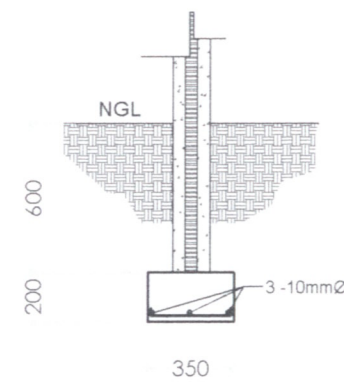
OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	BRIAN P. BUNGABONG Civil Engineer	BRIAN P. BUNGABONG Civil Engineer	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ T. PACIA CHECKED BRIAN BUNGABONG DATE:		S/11
	LICENSE NO. 0110792 PTR NO. 21487714	LICENSE NO. 0110792 PTR NO. 21487714	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				STRUCTURAL



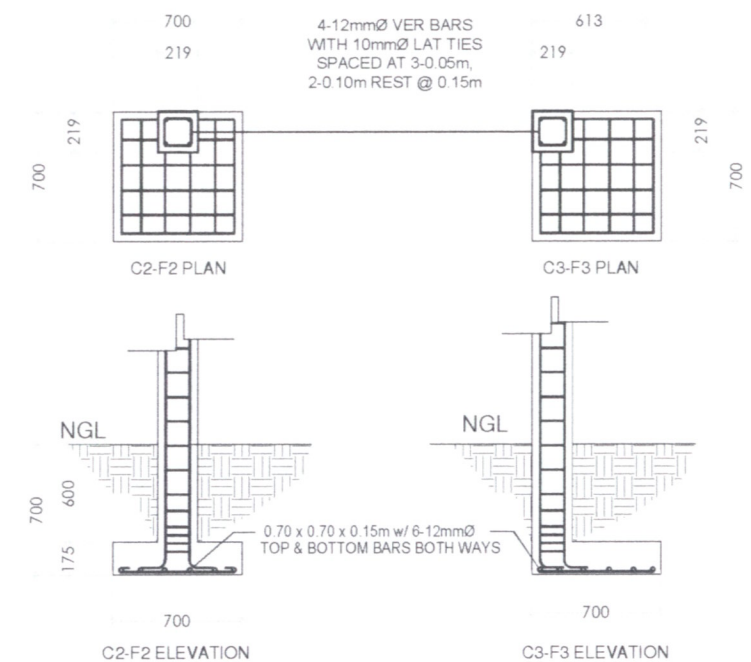
SITE DEVELOPMENT PLAN
SCALE: 1:400MM



PERIMETER FENCE DETAIL
SCALE: 1:30MM



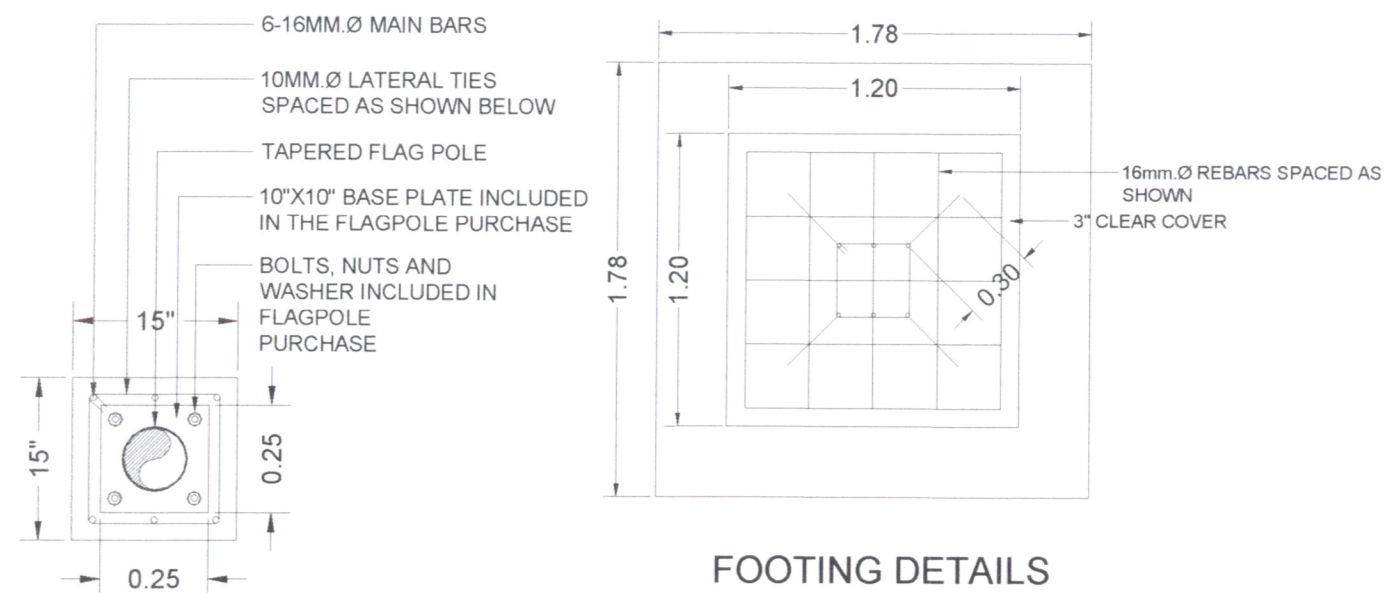
FENCE WALL FOOTING DETAIL
SCALE: 1:30MM



FENCE COLUMN FOOTING DETAIL
SCALE: 1:40MM

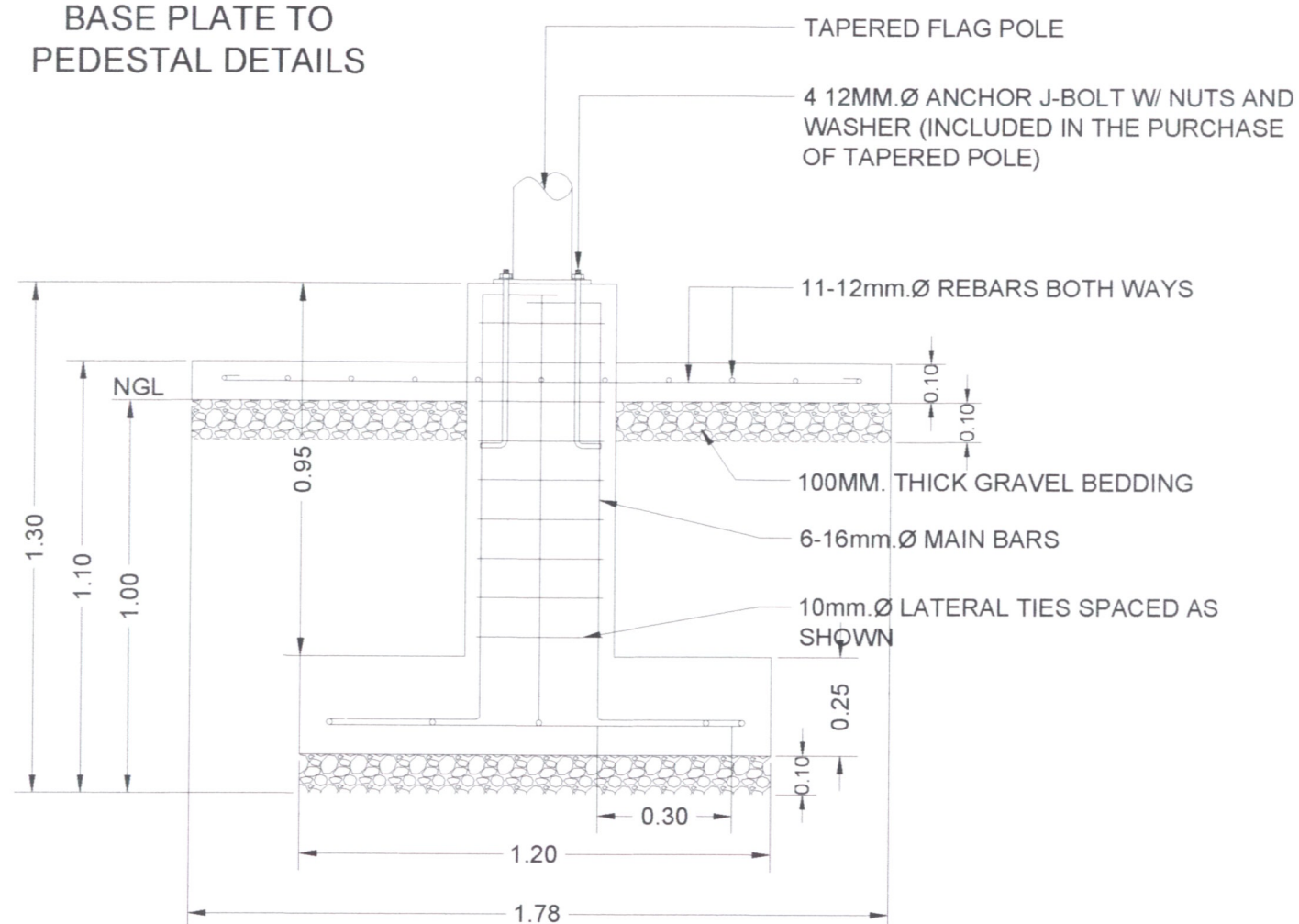


OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	BRIAN P. BUNGABONG Civil Engineer	BRIAN P. BUNGABONG Civil Engineer	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DEJA CRUZ T. PASCIA CHECKED BRIAN BUNGABONG DATE:		S/12
LICENSE NO. 0110792 PTR NO. 214 877 14	VALID UNTIL 4-10-26 DATE ISSUED 3-19-24	LICENSE NO. 0110792 PTR NO. 214 877 14	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				STRUCTURAL



FOOTING DETAILS

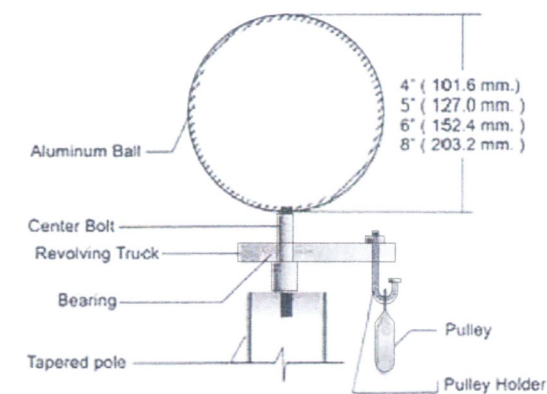
BASE PLATE TO PEDESTAL DETAILS



PEDESTAL & PLATFORM DETAILS



POLE CONNECTION DETAILS



DETAIL A

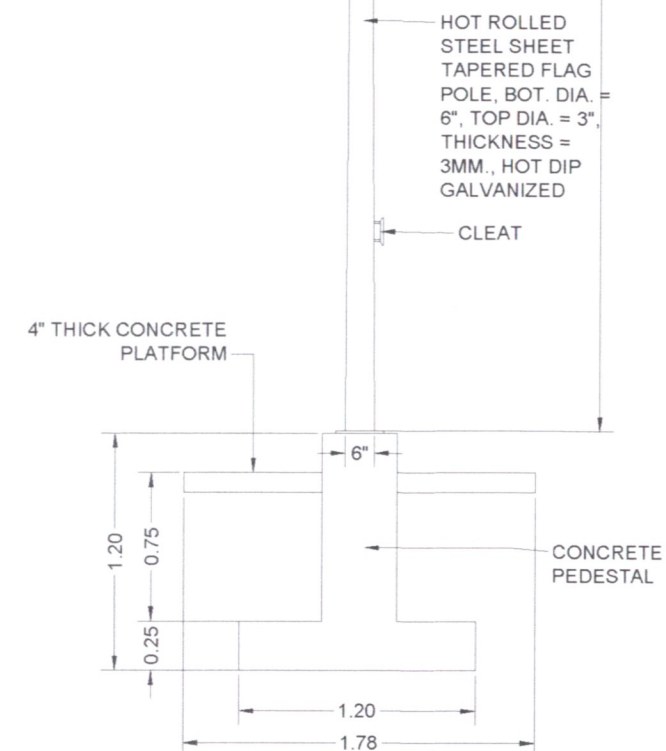
NOTE:

BASE PLATE, ANCHOR BOLTS, PULLEY HOLDER, PULLEY ARE INCLUDED IN THE PURCHASE OF FLAGPOLE.

FLAG AND ROPE NOT INCLUDED.

SPECIFICATIONS:

HOT-DIP GALVANIZED
T = 3.0MM.
TOP Ø = 3"Ø
BOTTOM Ø = 6"Ø



ELEVATION

FLAGPOLE DETAILS
SCALE: NTS

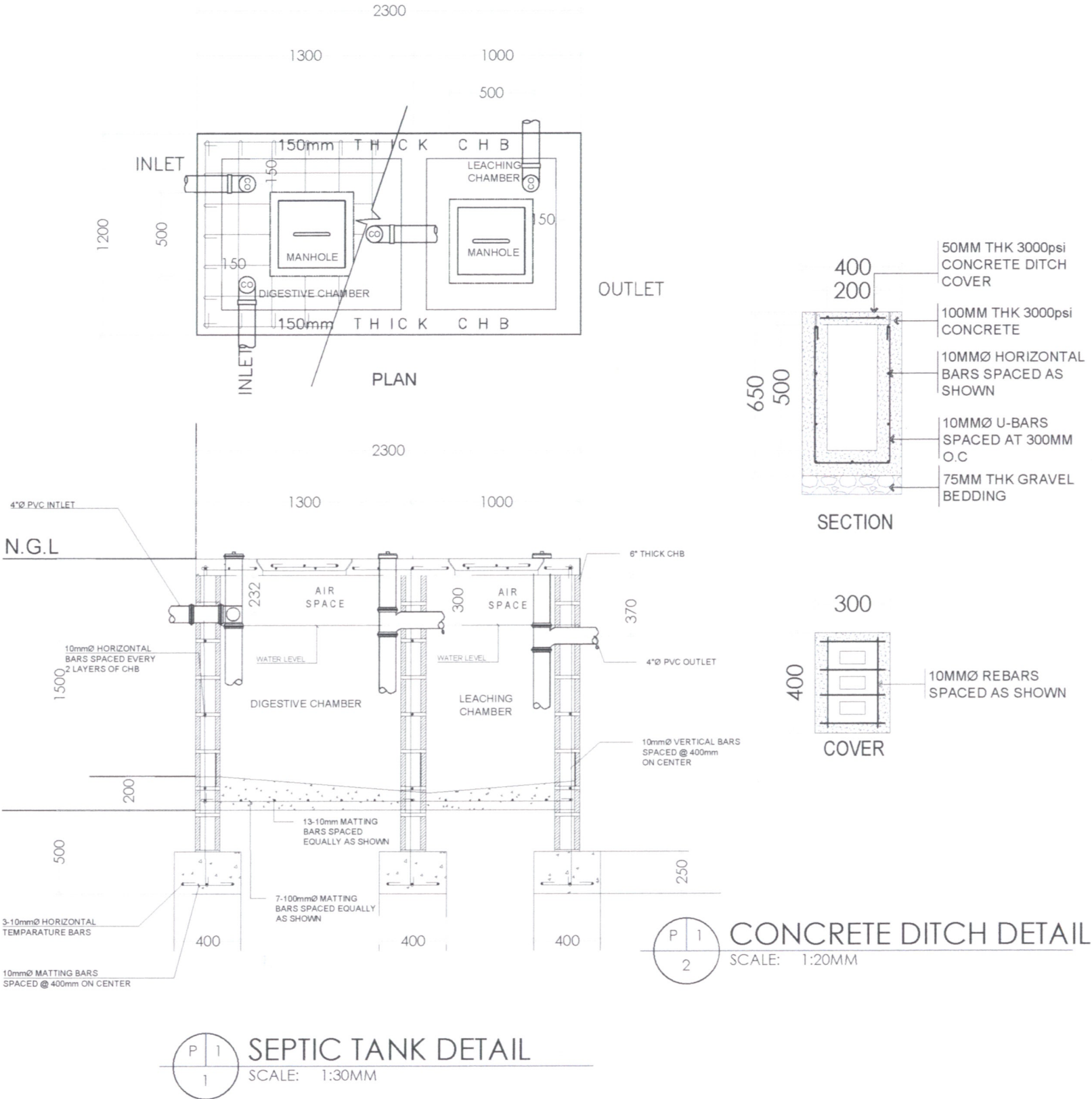
OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. OFFICER-IN-CHARGE, PAGASA	BRIAN R. BUNGABONG Civil Engineer	BRIAN R. BUNGABONG Civil Engineer	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ, T. PACIA		S/13
	LICENSE NO: 0110792 PTR NO: 21487714	LICENSE NO: 0110792 PTR NO: 21487714	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE		CHECKED BY: BRIAN R. BUNGABONG		STRUCTURAL
	VALID UNTIL: 4-10-24 DATE ISSUED: 7-19-24	VALID UNTIL: 4-10-24 DATE ISSUED: 7-19-24			DATE:		

GENERAL PLUMBING NOTES:

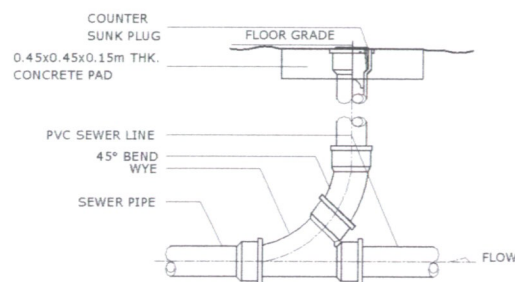
1. RUN ALL HORIZONTAL PIPING IN PERFECT ALIGNMENT AND AT A GRADE **NOT LESS THAN TWO PERCENT (2%)**.
2. ALL CHANGE IN DIRECTION SHALL BE MADE BY APPROPRIATE USE OF FORTY-FIVE DEGREES(45°) WYES, LONG SWEEP QUARTER BEND, SIXTH-EIGHT OR SIXTEENTH BEND. WHEN THE CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL, A SINGLE ONE EIGHT (1/8) BEND COMBINATION MAY BE USED ON VERTICAL STACKS, AND SHORT QUARTER BENDS MAY BE USED ON WASTE LINE, TEE AND CROSSES MAYBE USED IN BENT PIPES.
3. NO DOUBLE HUB OR TEE BRANCH SHALL BE USED ON HORIZONTAL SOIL AND WASTE LINES.
4. THE DRILLINGS AND TAPPING OF HOUSE DRAIN, WASTE OR VENT PIPES AND USE OF SADDLE HUB AND BEND ARE PROHIBITED.
5. PROVIDE CLEAN-OUTS UNDER THE FOLLOWING CONDITIONS:
- a. EVERY CHANGE OF HORIZONTAL DIRECTION EXCEEDING TWENTY TWO AND A HALF DEGREES(22.5°).
 - b. ONE AND ONE HALF METERS (1.5m) INSIDE THE PROPERTY LINES BEFORE THE HOUSE DRAINAGE CONNECTION .
 - c. EVERY FIFTEEN METERS (15m) IN HORIZONTAL RUN OF PIPES. AT THE END OF ANY HORIZONTAL PIPE LINES.
6. NOT LESS THAN 0.30 METERS OF AIR SPACE MUST BE LEFT BETWEEN THE TOP OF THE SEWAGE AND THE UNDER PART OF THE TOP SLAB.
7. NO SEPTIC VAULT SHALL BE CONSTRUCTED UNDER THE BUILDING.
8. ALL PLUMBING WORKS SHALL BE DONE UNDER THE SUPERVISION OF A LICENSED MASTER PLUMBER OR SANITARY ENGINEER.
9. UNLESS NOTED OTHERWISE, ALL WATER SUPPLY PIPES SHALL BE $\varnothing\frac{1}{2}$ " uPVC.
10. UNLESS NOTED OTHERWISE, ALL SANITARY PIPES SHALL BE $\varnothing4$ " uPVC.

LEGENDS:

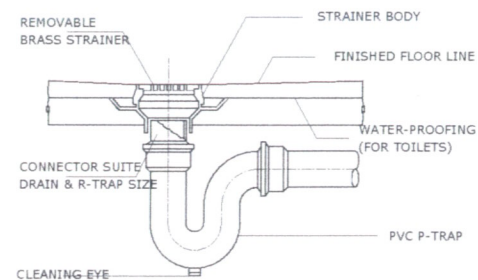
SYMBOL/ABB.	DESCRIPTION	SYMBOL/ABB.	DESCRIPTION
CO	CLEAN OUT	UR	URINAL
DS	DOWN SPOUT	WC	WATER CLOSET
FD	FLOOR DRAIN	VSTR	VENT STACK THRU ROOF
FAU	FAUCET	CV	CHECK VALVE
HB	HOSE BIB		GATE VALVE
KS	KITCHEN SINK	+	ANGLE VALVE
SHO	SHOWER	----	SANITARY/DRAINAGE LINES
LAV	LAVATORY	----	VENT PIPES
		----	WATER LINES



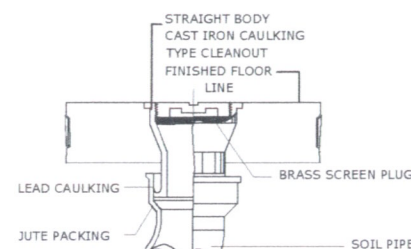
	OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	BRIAN P. BUNGABONG Master Plumber	BRIAN P. BUNGABONG Master Plumber	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ, T. PACIA CHECKED BRIAN BUNGABONG DATE:		P/1 PLUMBING



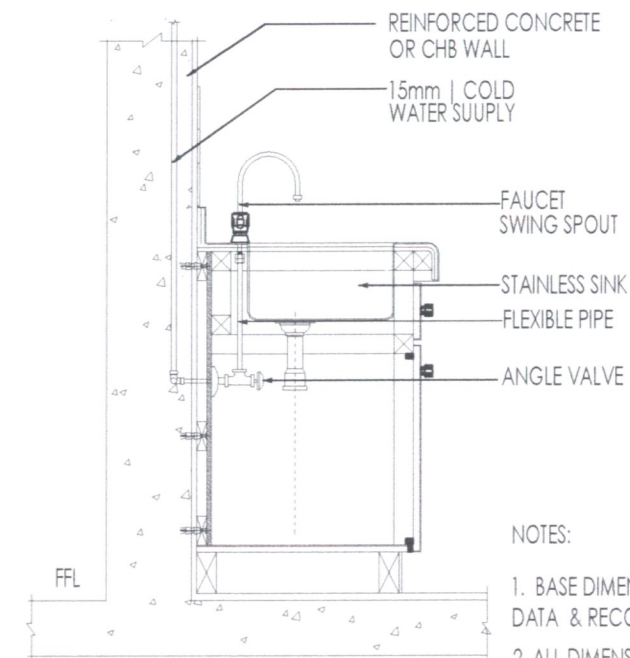
GROUND CLEANOUT DETAIL
SCALE: NTS



FLOOR DRAIN DETAIL
SCALE: NTS

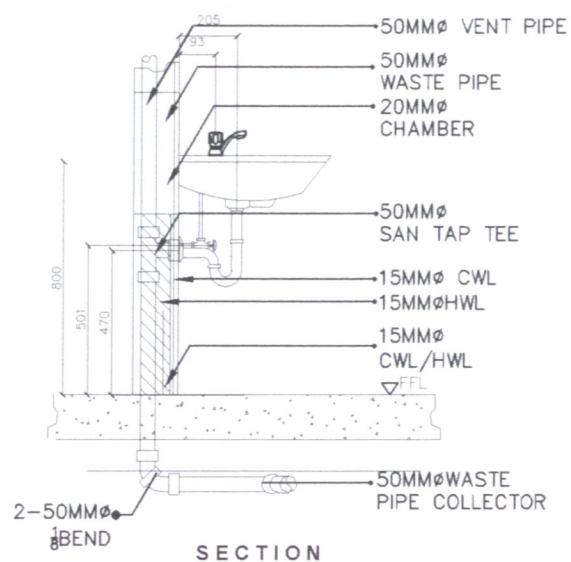
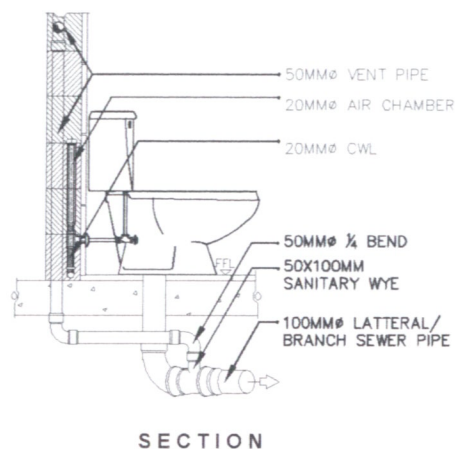
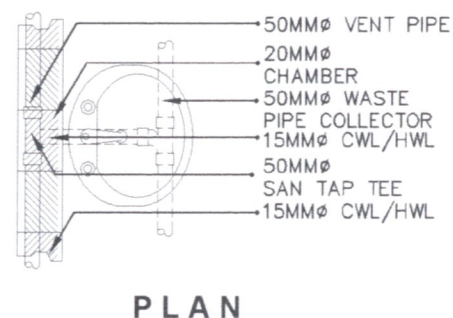
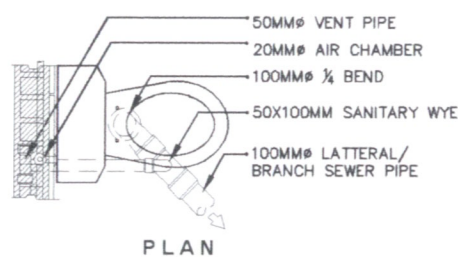


FLOOR CLEANOUT DETAIL
SCALE: NTS

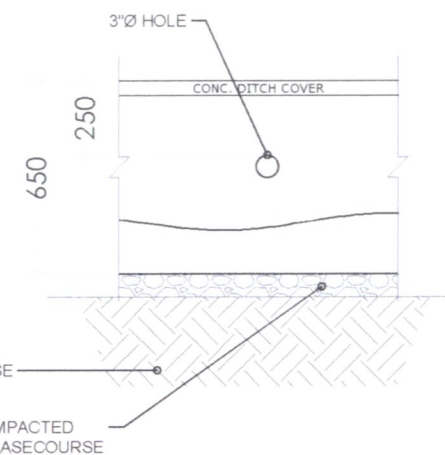
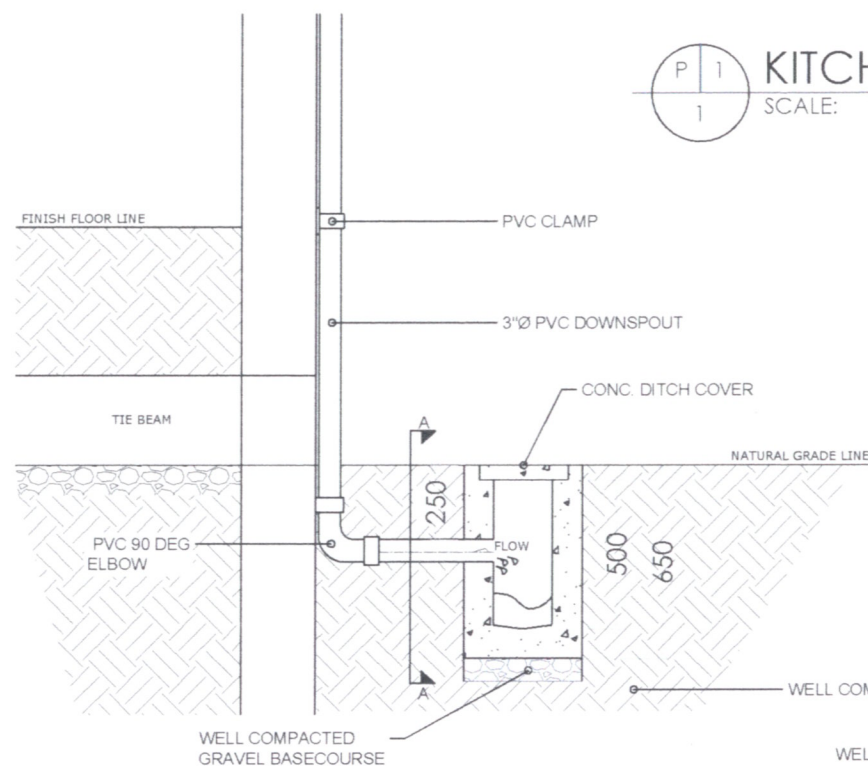


- NOTES:
1. BASE DIMENSIONS ON MANUFACTURER'S DATA & RECOMMENDATIONS.
 2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

KITCHEN SINK DETAILS
SCALE: 1:30MM



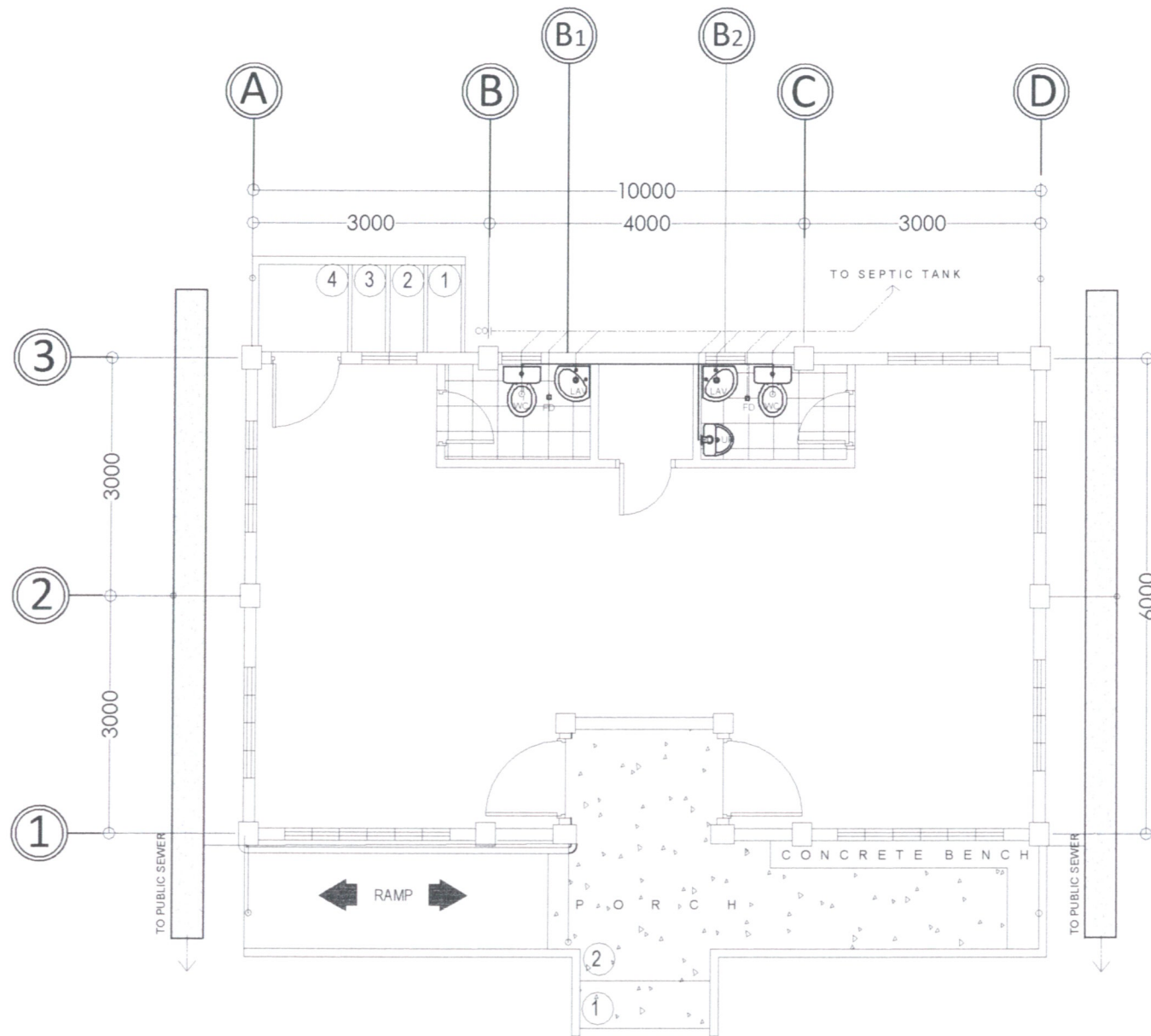
PIPING ARRANGEMENT FOR WATER CLOSET & LAVATORY
SCALE: 1:25MM



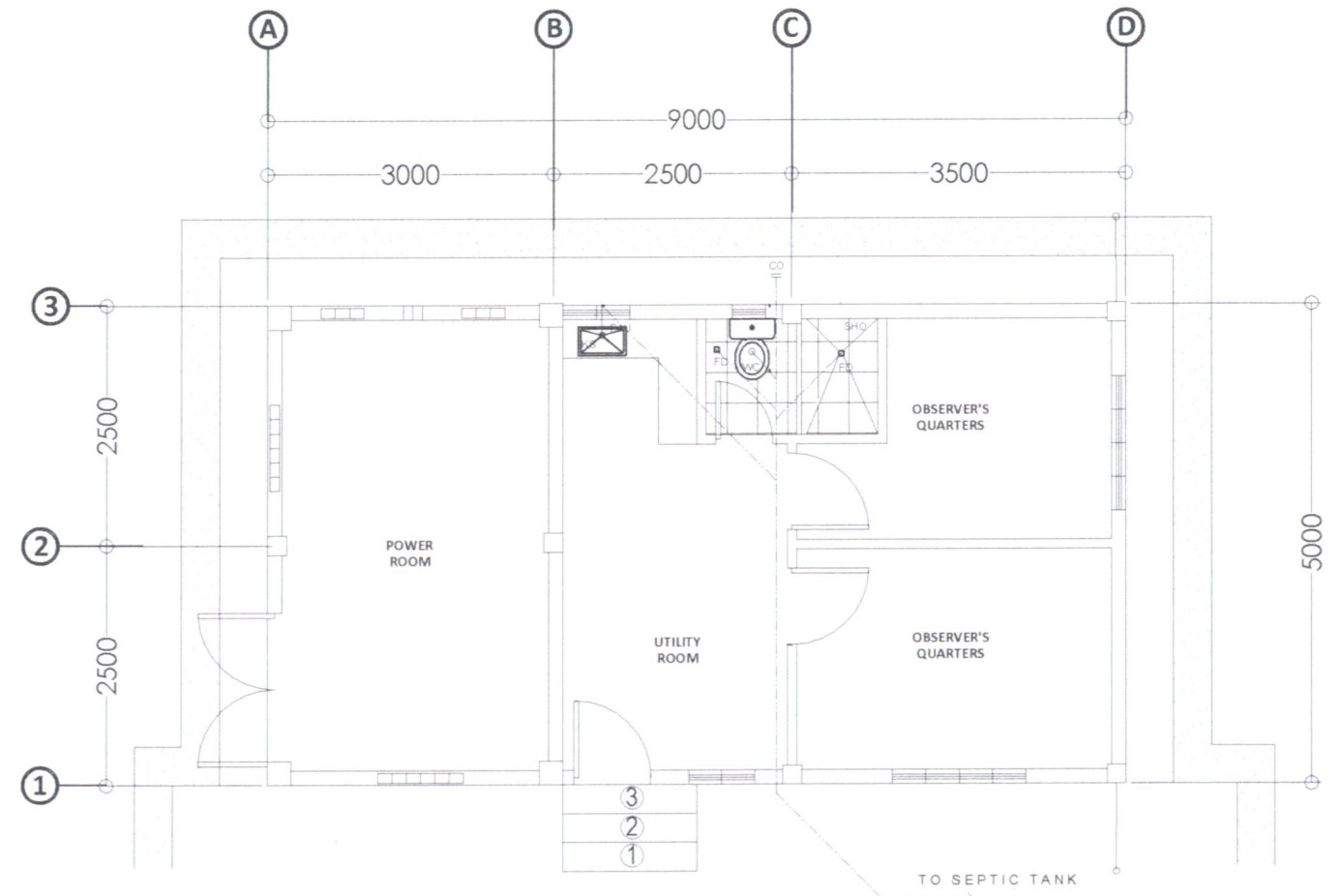
STORM DRAINAGE TO CONCRETE DITCH CONNECTION DETAIL
SCALE: 1:25MM



OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	BRIAN P. BUNGABONG Master Plumber	BRIAN P. BUNGABONG Master Plumber	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELACRUZ T. PACIA CHECKED: BRIAN BUNGABONG DATE:		P/2
	LICENSE NO. 0006723 PTR NO. 21487713A	VALID UNTIL 4-10-25 DATE ISSUED 3-19-24	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				PLUMBING



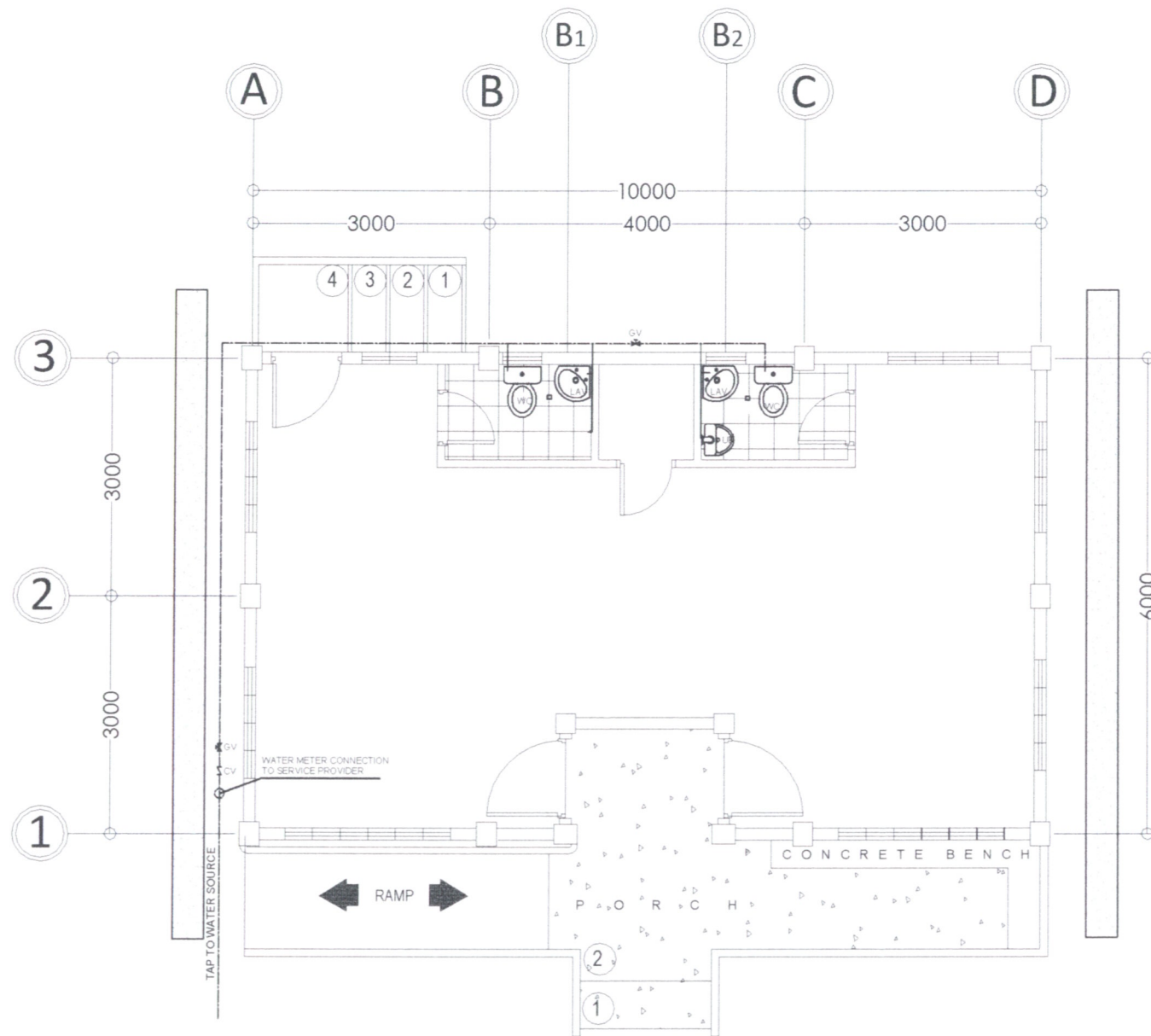
**SYNOPTIC BUILDING
SEWER LINE LAYOUT**
SCALE: 1:80MM



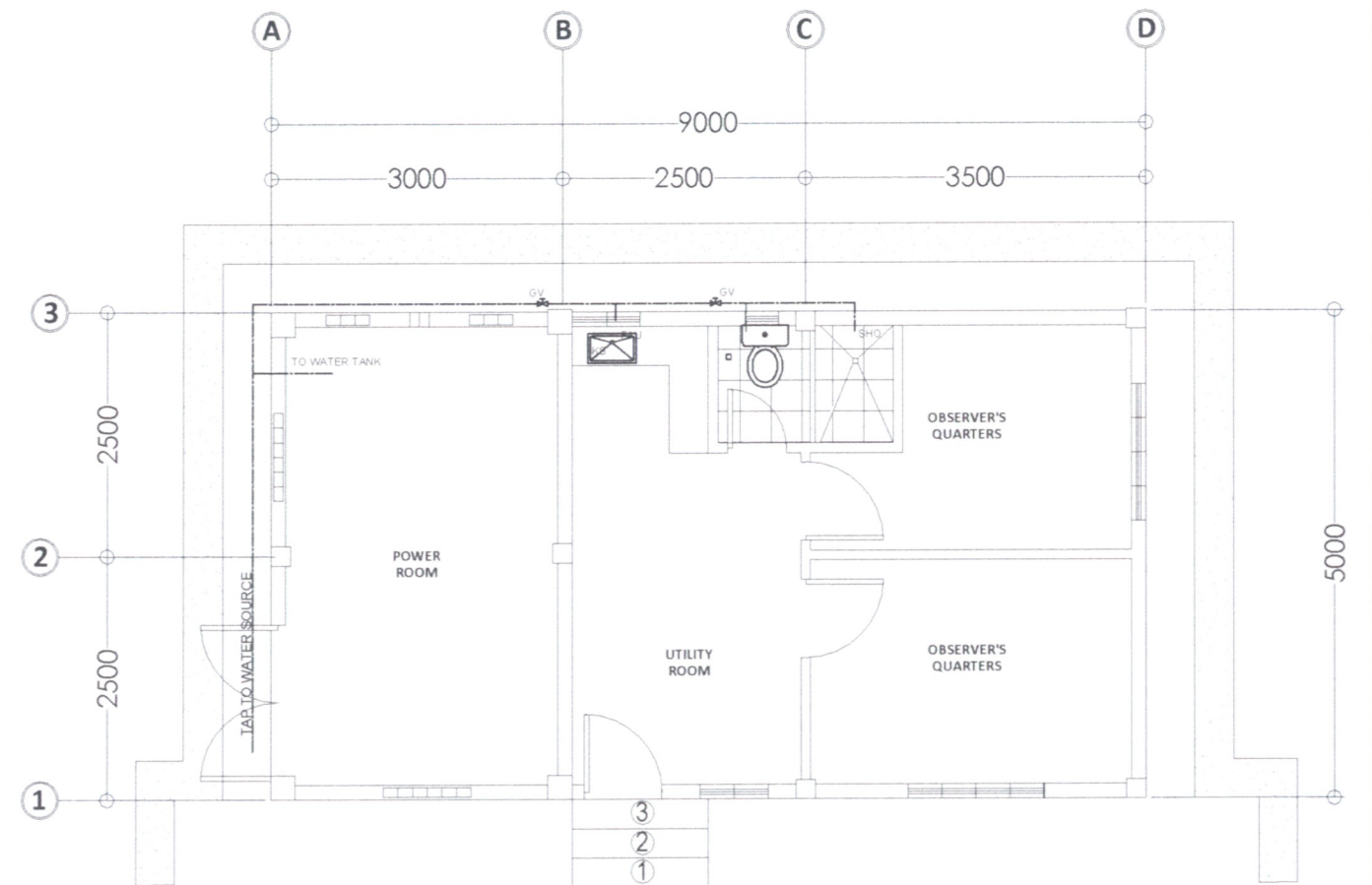
**OBSERVER'S QUARTER & POWERHOUSE
SEWER LINE LAYOUT**
SCALE: 1:75MM



OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	BRIAN P. BUNGABONG Master Plumber	BRIAN P. BUNGABONG Master Plumber	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ T. PACIA CHECKED BRIAN BUNGABONG DATE:		P/3
	LICENSE NO. 0006723 PTR NO. 21487713A	VALID UNTIL 4-10-25 DATE ISSUED 3-19-24	LICENSE NO. 0006723 PTR NO. 21487713A	VALID UNTIL 4-10-25 DATE ISSUED 3-19-24	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE		PLUMBING



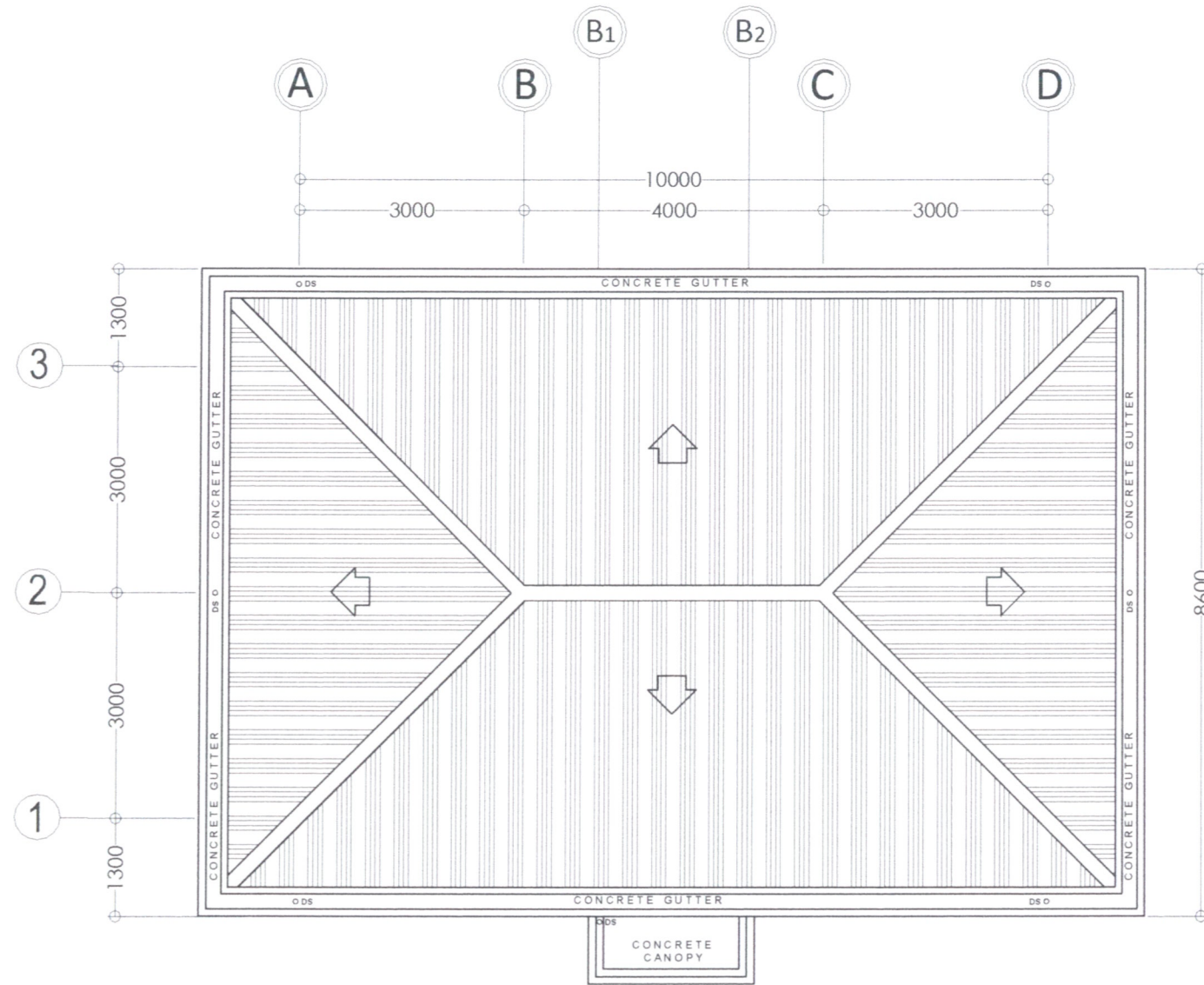
**SYNOPTIC BUILDING
WATER LINE LAYOUT**
SCALE: 1:80MM



**OBSERVER'S QUARTER & POWERHOUSE
WATER LINE LAYOUT**
SCALE: 1:75MM

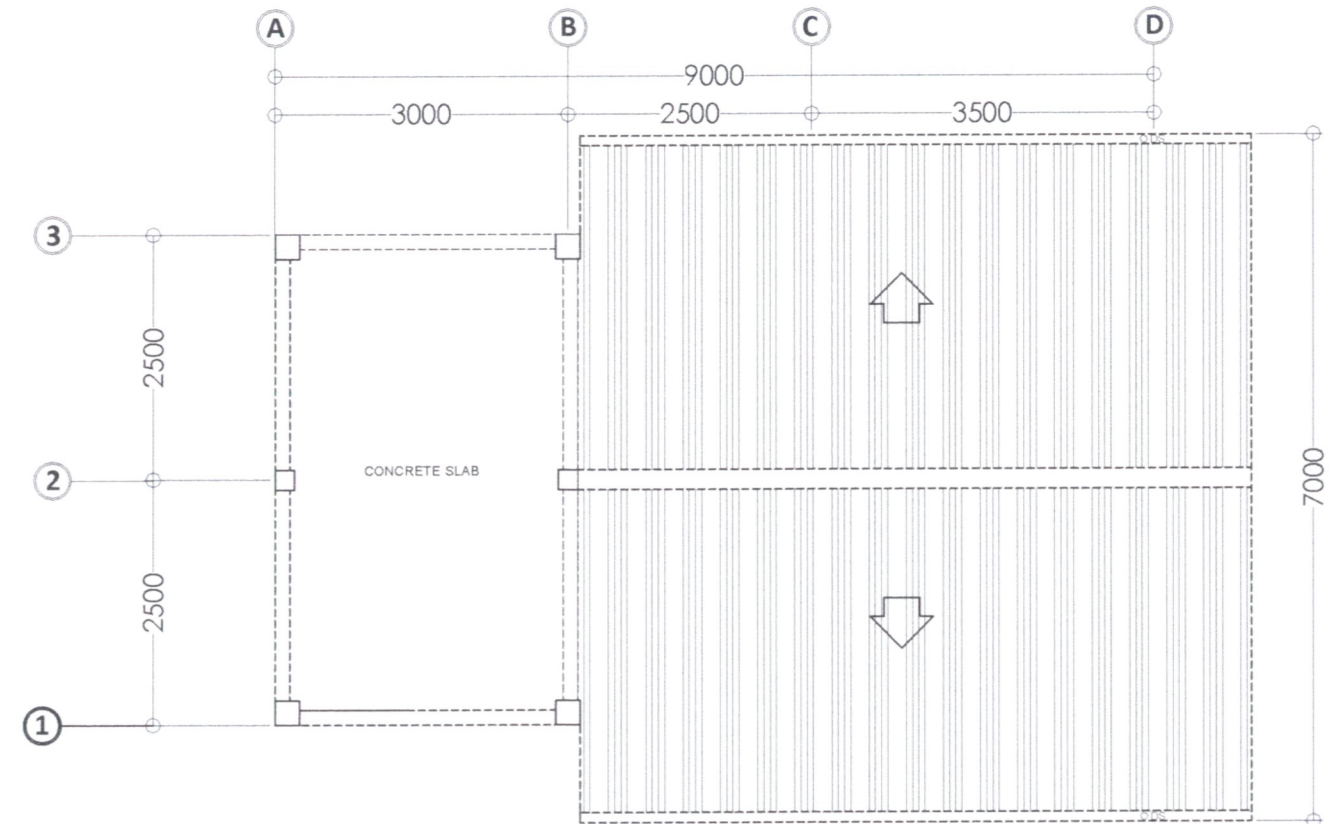


OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	BRIAN P. BUNGABONG Master Plumber	BRIAN P. BUNGABONG Master Plumber	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ T. PACIA CHECKED: BRIAN BUNGABONG DATE:		P/4
	LICENSE NO. 0006723 VALID UNTIL 4-10-25 PTR NO. 21487713A DATE ISSUED 3-19-24	LICENSE NO. 0006723 VALID UNTIL 4-10-25 PTR NO. 21487713A DATE ISSUED 3-19-24	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				PLUMBING



**SYNOPTIC BUILDING
ROOF DRAINAGE PLAN**

SCALE: 1:85MM

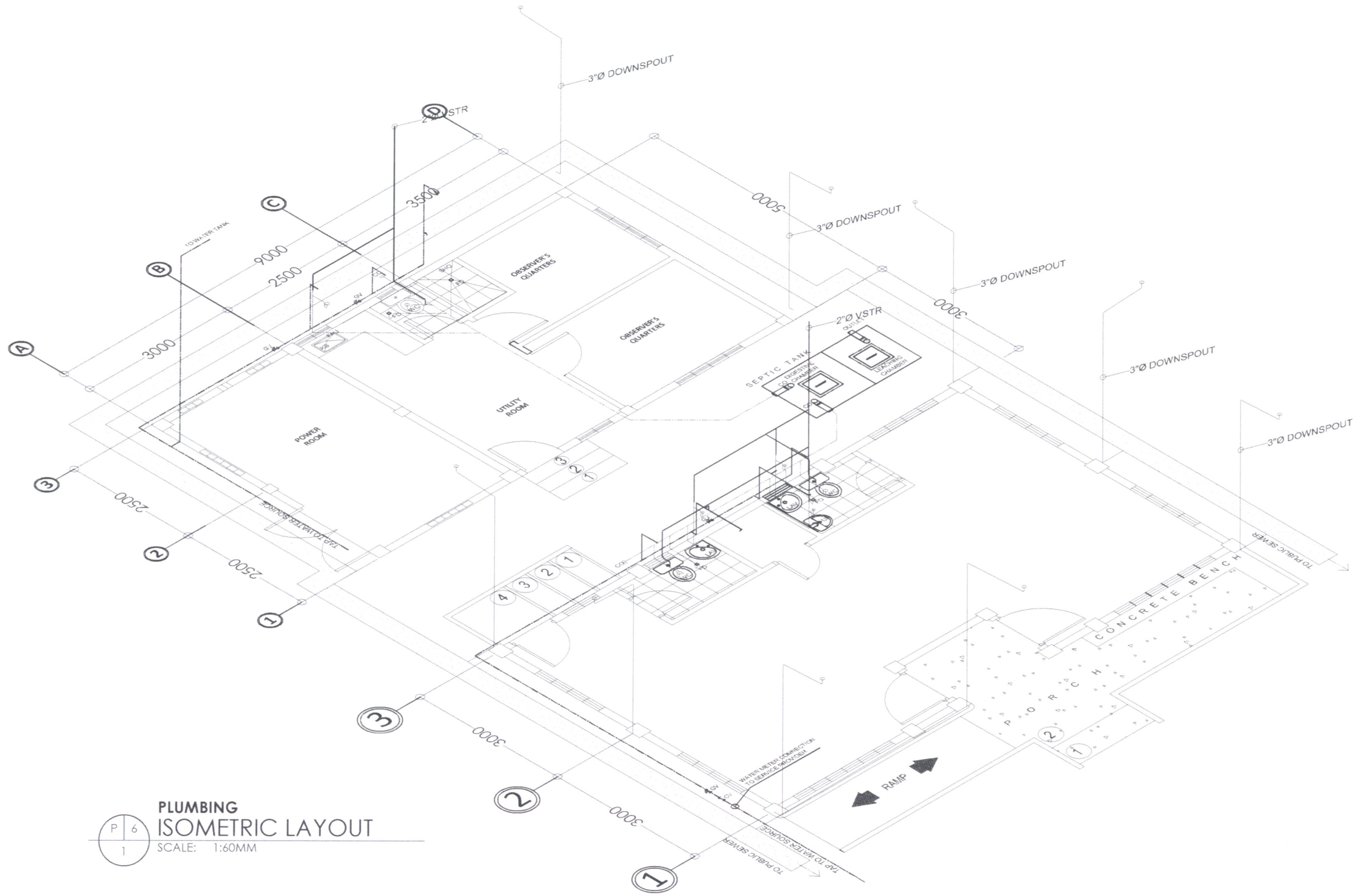


**OBSERVER'S QUARTER & POWERHOUSE
ROOF DRAINAGE PLAN**

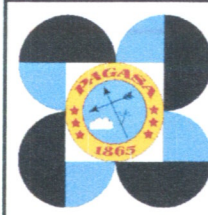
SCALE: 1:75MM



OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	BRIAN P. BUNGABONG Master Plumber	BRIAN P. BUNGABONG Master Plumber	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELACRUZ, T. PACIA CHECKED BRIAN P. BUNGABONG DATE:		P/5
	LICENSE NO. 0006723 PTR NO. 21487713A	LICENSE NO. 0006723 PTR NO. 21487713A	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				PLUMBING



**PLUMBING
ISOMETRIC LAYOUT**
SCALE: 1:60MM



OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	BRIAN P. BUNGABONG Master Plumber	BRIAN P. BUNGABONG Master Plumber	CONSTRUCTION OF PAGASA SYNOPTIC STATION BUILDING, OBSERVER'S QUARTERS, POWERHOUSE, PERIMETER FENCE, GATE & SIGNAGE	AS SHOWN	R. DELA CRUZ, T. PACIA CHECKED: BRIAN BUNGABONG DATE:		P/6
	LICENSE NO. 0006723 PTR NO. 21487713A VALID UNTIL 4-10-25 DATE ISSUED 3-19-24	LICENSE NO. 0006723 PTR NO. 21487713A VALID UNTIL 4-10-25 DATE ISSUED 3-19-24	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				PLUMBING

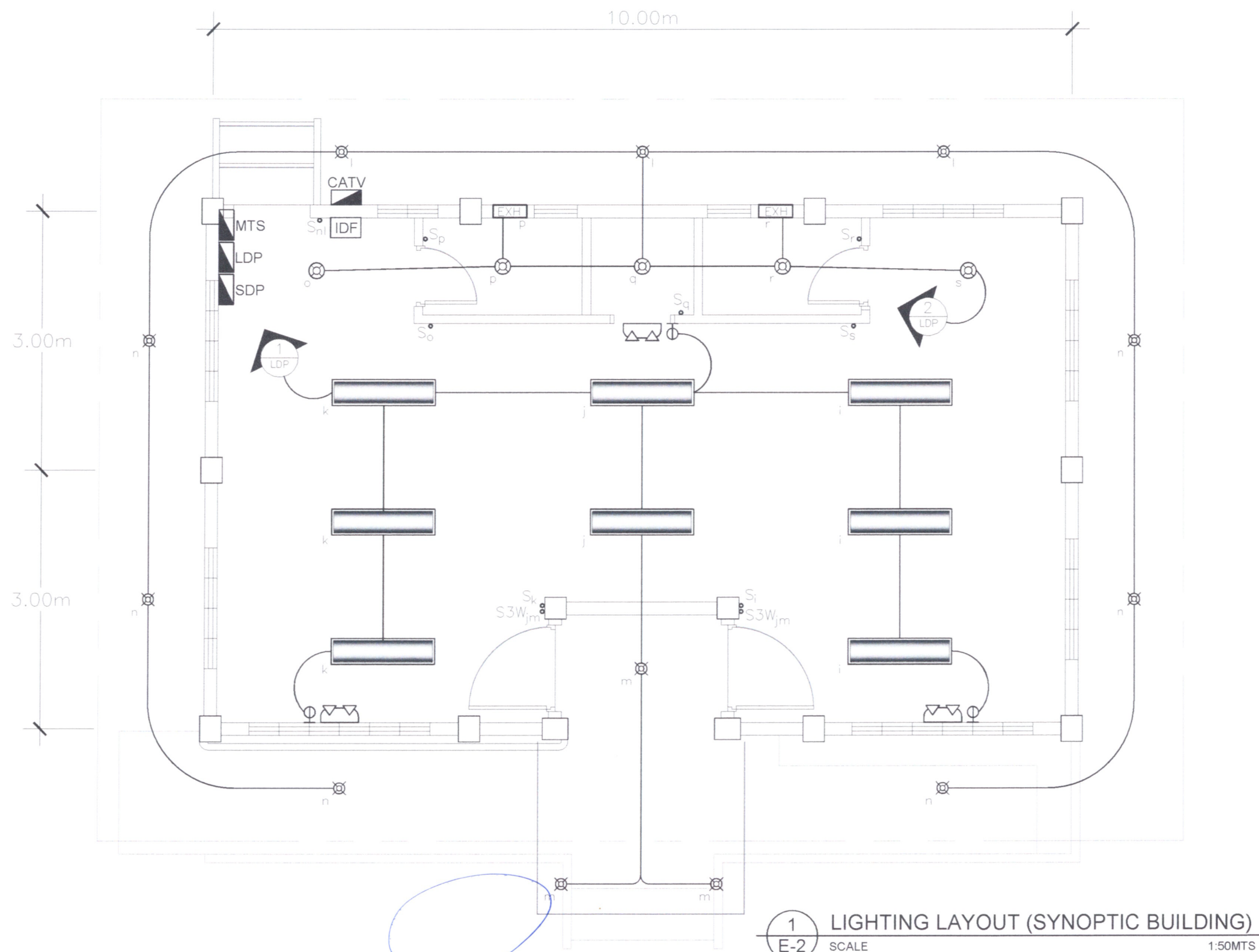
GENERAL NOTES AND SPECIFICATIONS

1. ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE RULE AND REGULATION OF MORESCO AND LOCAL AUTHORITIES.
2. WIRING METHOD SHALL BE AS FOLLOWS:
- a. ALL CONDUIT EMBEDDED IN CONCRETE SHALL BE POLYVINYL CHLORIDE CONDUIT (PVC) AND ALL EXPOSED CONDUIT SHALL BE ELECTRICAL METALLIC CONDUIT (EMT for indoor and RSC for outdoor).
3. MOUNTING HEIGHTS SHALL BE AS FOLLOWS:
- a. LIGHT SWITCHES 1.30m ABOVE FLOOR FINISH (A.F.F)
 - b. POWER OUTLET 0.30m A.F.F.
 - c. PANELBOARDS 1.50m A.F.F.
4. ALL MATERIALS SHALL BE NEW AND APPROVED TYPE FOR THE PURPOSED INTENDED.
5. ALL CONDUCTORS SHALL BE COPPER WIRE TYPE 600 VOLTS INSULATION, PHELPS DODGE.
6. PROVIDE EFFECTIVE AND ADEQUATE GROUNDS.
7. ALL ELECTRICAL WORKS IS UNDER THE PROVISION OF REGISTERED MASTER ELECTRICIAN OR REGISTERED ELECTRICAL ENGINEER.
8. MINIMUM SIZE OF WIRE AND CONDUIT SHALL BE 3.5mm² THHN AND 15mmØ NOMINAL DIAMETER RESPECTIVELY. OTHERWISE SPECIFIED ON PLANS.
9. UNLESS OTHERWISE SPECIFIED PULLBOXES OR JUNCTION BOXES SHALL BE PROVIDED WHENEVER REQUIRED AND NECESSARY, ALTHOUGH SUCH BOXES ARE NOT INDICATED ON PLANS.
10. FOR EACH SPARE CIRCUIT IN PANEL BOARD, PROVIDE AN EMPTY CONDUIT SPECIFIED IN THE PLAN TERMINATING TO A COVERED SQUARE BOX.
11. ALL MATERIALS AND EQUIPMENT TO BE USED SHALL BE BRAND NEW AND OF APPROVED TYPE FOR BOTH LOCATION AND PURPOSES.
12. ALL METAL FRAMES SHALL BE PROPERLY AND ADEQUATELY GROUNDED. GROUND WIRE SHALL BE PROVIDED ON ALL EQUIPMENT FEEDER.
13. THE JOB SHALL BE EXECUTED IN THE MOST THROUGH PROMPT AND WORKMAN LIKE MANNER, EMPLOYING STANDARD TOOLS, EQUIPMENT, METHODS AND GOOD ENGINEERING PRACTICES. THE JOB SHALL BE DONE COMPLETE IN ALL ASPECTS AS REQUIRED IN PLANS AND SPECIFICATIONS AND READY FOR OPERATION.
14. ADDITIONAL MATERIALS SPECIFICATIONS:
- a. POLYVINYL CHLORIDE (PVC) CROWN PIPES
 - b. WIRES AND CABLES PHELPS DODGE
 - c. CIRCUIT BREAKER SCHNEIDER ELECTRIC
 - d. WIRING DEVICES NATIONAL / PANASONIC
15. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE PROPER IDENTIFICATION AND LABELING OF ALL CIRCUIT BREAKER. EACH PANEL WILL BE PROVIDED WITH A TYPEWRITTEN CIRCUIT DIRECTORY.
16. THE DRAWING AND SPECIFICATIONS ARE INTENDED TO PRESENT A GENERAL LAYOUT AND BROAD OUTLINE AND DESCRIPTION OF THE PROJECT AND NOT NECESSARY INDICATE, DESCRIBED ACTUAL LOCATION LEVELS AND DISTANCES OF EQUIPMENT. THE CONTRACTOR IS HEREBY REQUIRED TO MAKE ADJUSTMENT AT THE JOBSITE AS LOCATIONS, LEVELS AND DISTANCES ARE GOVERNED BY ACTUAL FIELD CONDITIONS.
17. WIRES SHALL BE COLOR CODED:
- LINE 1 — BLACK
 - LINE 2 — BLACK
 - GROUND — GREEN
18. NO REVISION IN THE DESIGN SHALL BE DONE WITHOUT THE PRIOR KNOWLEDGE AND APPROVAL OF THE DESIGNER AND THE OWNER. ANY SUCH REVISION DONE WITHOUT THE APPROVAL SHALL CAUSE RESPONSIBILITY OF THE DESIGNER TO CEASED AS A WHOLE.

LEGEND:

	SURFACE MOUNTED LED PANEL 1200MM x 300MM W/ DRIVER
	VERTICAL DOWNLIGHT FIXTURE SURFACE TYPE 6" W/ 9W LED BULB (3500K COLOR TEMP.)
	VERTICAL DOWNLIGHT FIXTURE RECESSED TYPE 6" (6000K COLOR TEMP.)
	RECTANGULAR 2 BULBS, UPSIDE DOWN, WALL LAMP LIGHTING FIXTURE
	WATERPROOF FLOODLIGHT/SPOTLIGHT
	POST LAMP WITH ALUMINUM CAGE & BASE
	1 GANG 1WAY SWITCH
	2 GANG 1WAY SWITCH
	3 GANG 1WAY SWITCH
	DUPLEX 3 WAY SWITCH
	SIMPLEX UNIVERSAL OUTLET
	DUPLEX UNIVERSAL OUTLET
	WEATHER PROOF UNIVERSAL OUTLET
	FLOOR/PDP-UP DUPLEX CONVENIENCE OUTLET
	WATER PUMP DEDICATED OUTLET
	AIRCONDITIONING SPECIAL OUTLET
	WIRELESS N CEILING MOUNT ACCESS POINT
	SINGLE DATA LAN OUTLET
	DUPLEX DATA LAN OUTLET
	LAN AND COAXIAL OUTLET
	SINGLE COAXIAL OUTLET
	IP DOME CAMERA, POE READY
	LED EMERGENCY LIGHT
	WALL TYPE EXHAUST
	CIRCUIT HOME RUN
	MDP MAIN DISTRIBUTION PANEL
	ATS AUTOMATIC TRANSFER SWITCH
	MTS MANUAL TRANSFER SWITCH
	EDP EMERGENCY DISTRIBUTION PANEL BOARD
	SDP SYNOPTIC BUILDING DISTRIBUTION PANEL BOARD
	LDP LIGHTING LOADS DISTRIBUTION PANEL BOARD
	IDF INTERMEDIATE DISTRIBUTION FRAME
	CATV COMMUNITY ANTENNA TELEVISION
	Ⓜ KILOWATT-HOUR METER
	Ⓜ GROUND (EARTH)
	Ⓜ AIR TERMINAL ROD
	Ⓜ CHEMICAL GROUNDING ROD W/ EARTH PIT
	Ⓜ GROUND ROD WITH EARTH PIT
	Ⓜ GROUNDING BUS BAR
	Ⓜ GROUNDING ROD (EXOTHERMIC WELDED TO CABLE)
	Ⓜ EXOTHERMIC WELD/CONNECTION

	OWNER	ENGINEER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY	REVISIONS	SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D.	ARIEL N. GALLEGO JR.	ENGR. VIRGILIO C. SESE	CONSTRUCTION OF PAGASA SYNOPTIC BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE	GENERAL SPECIFICATIONS LEGEND	ARIEL N. GALLEGO JR.	DATE:	E/1
	ADMINISTRATOR	WFS-I, MEMU, MEJES, ETSD	PRC REG. NO. 01452/10-10-1980 TIN 106-454-406	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE		CHECKED BY:		ELECTRICAL



OWNER
NATHANIEL T. SERVANDO, Ph.D.
ADMINISTRATOR

ENGINEER
ARIEL N. GALLEGGO JR.
WFS-I, MEMU, MEIE, ETSD
LICENSE NO. 0057269
VALID UNTIL 01/13/2025
PTR NO. 5452324D/01-02-2024/QC

ENGINEER
ENGR. VIRGILIO C. SESE
PROF. ELECTRICAL ENGR.
PRC REG. NO. 01452/10-10-1980
VALID UNTIL - 11-27-2026
PTR 5452324D/01-02-2024/QC
TIN 06-454-406

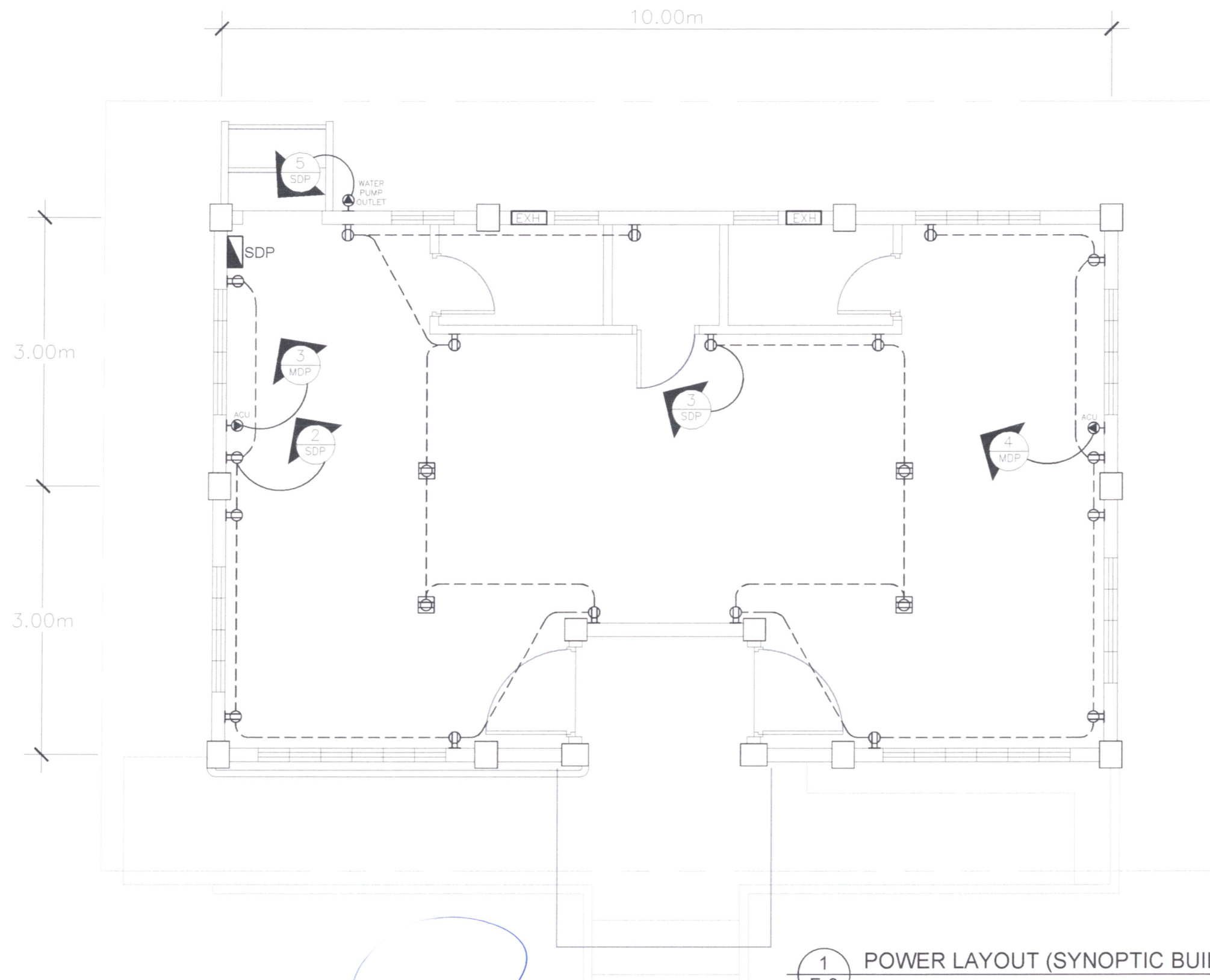
PROJECT TITLE
CONSTRUCTION OF PAGASA SYNOPTIC BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE
LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE

SHEET CONTENT
LIGHTING LAYOUT OF SYNOPTIC BUILDING


DRAWN BY
ARIEL N. GALLEGGO JR.
CHECKED BY:
DATE:

REVISIONS
DATE:


SHEET NO.
E/2
ELECTRICAL

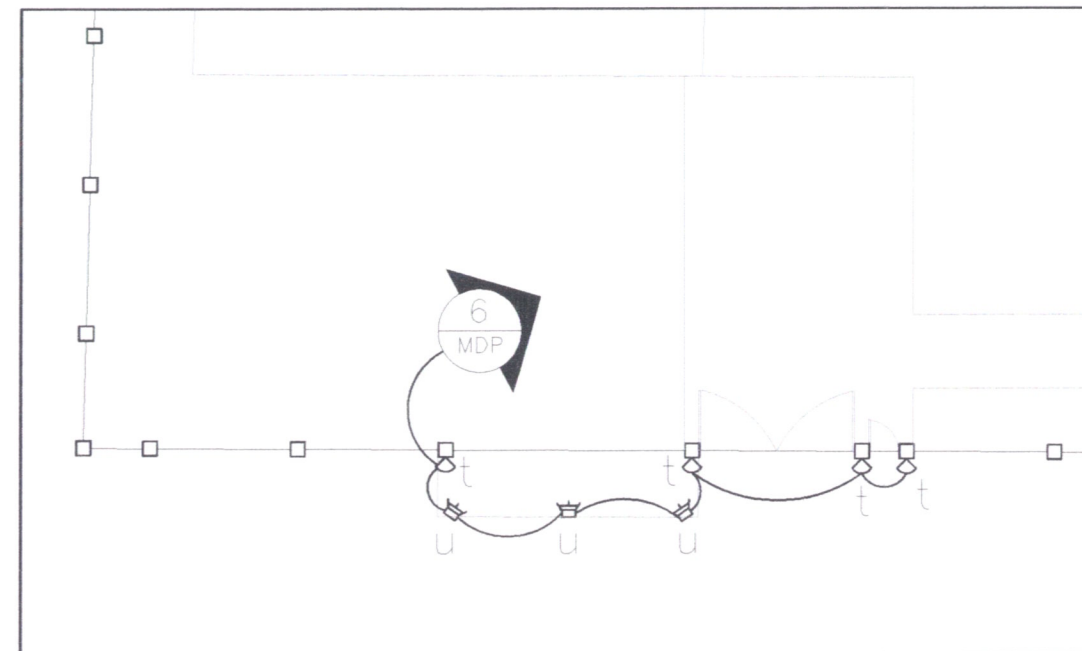
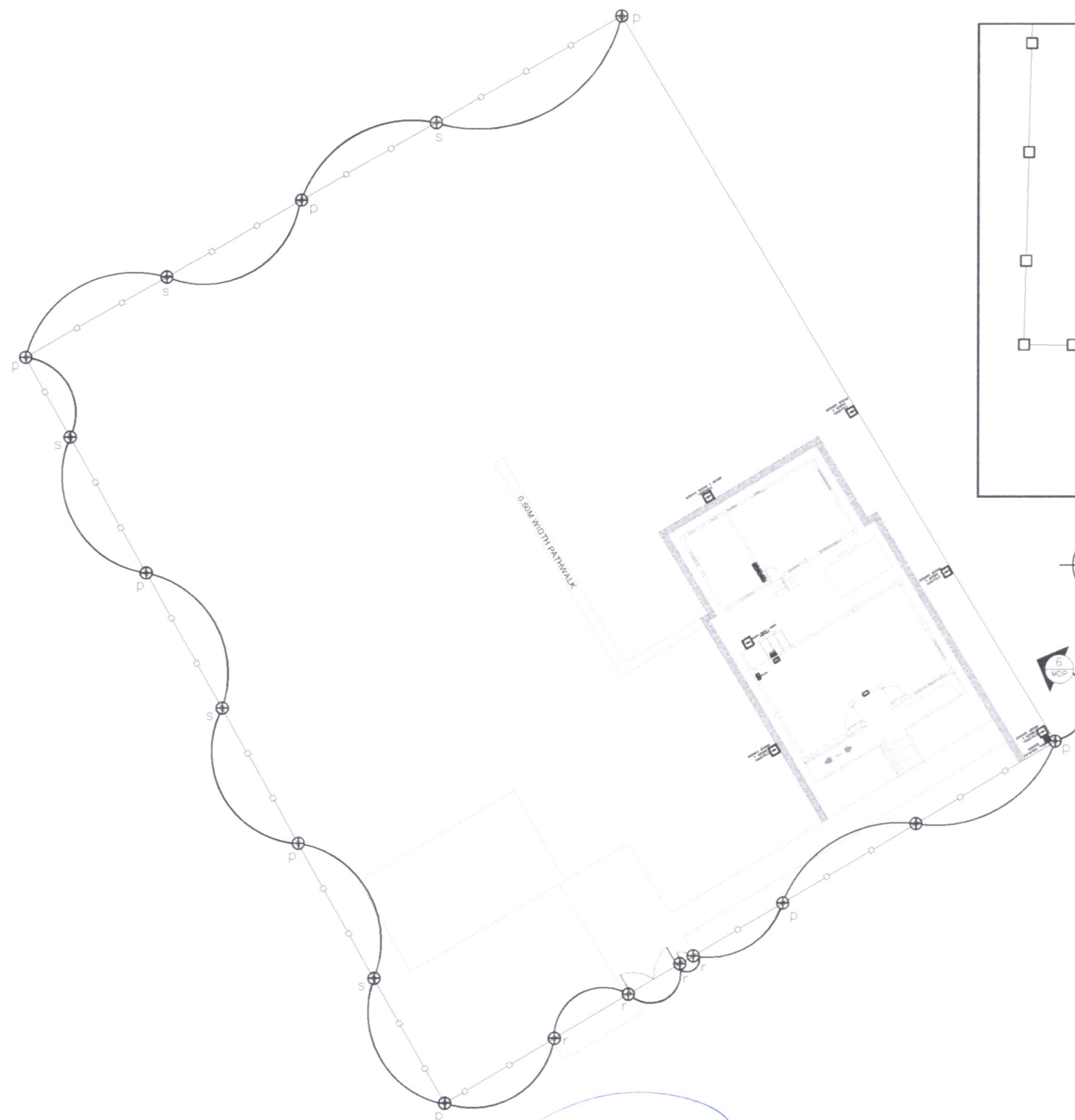


1 POWER LAYOUT (SYNOPTIC BUILDING)
E-3 SCALE 1:50MTS

	OWNER	ENGINEER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY	REVISIONS		SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	ARIEL N. GALLEGO JR. WFS-I, MEMU, MEJES, ETSO	ENGR. VIRGILIO C. SESE	CONSTRUCTION OF PAGASA SYNOPTIC BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE	POWER LAYOUT OF SYNOPTIC BUILDING	ARIEL N. GALLEGO JR.	DATE:		E/3
						CHECKED BY:			
			LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE					ELECTRICAL	



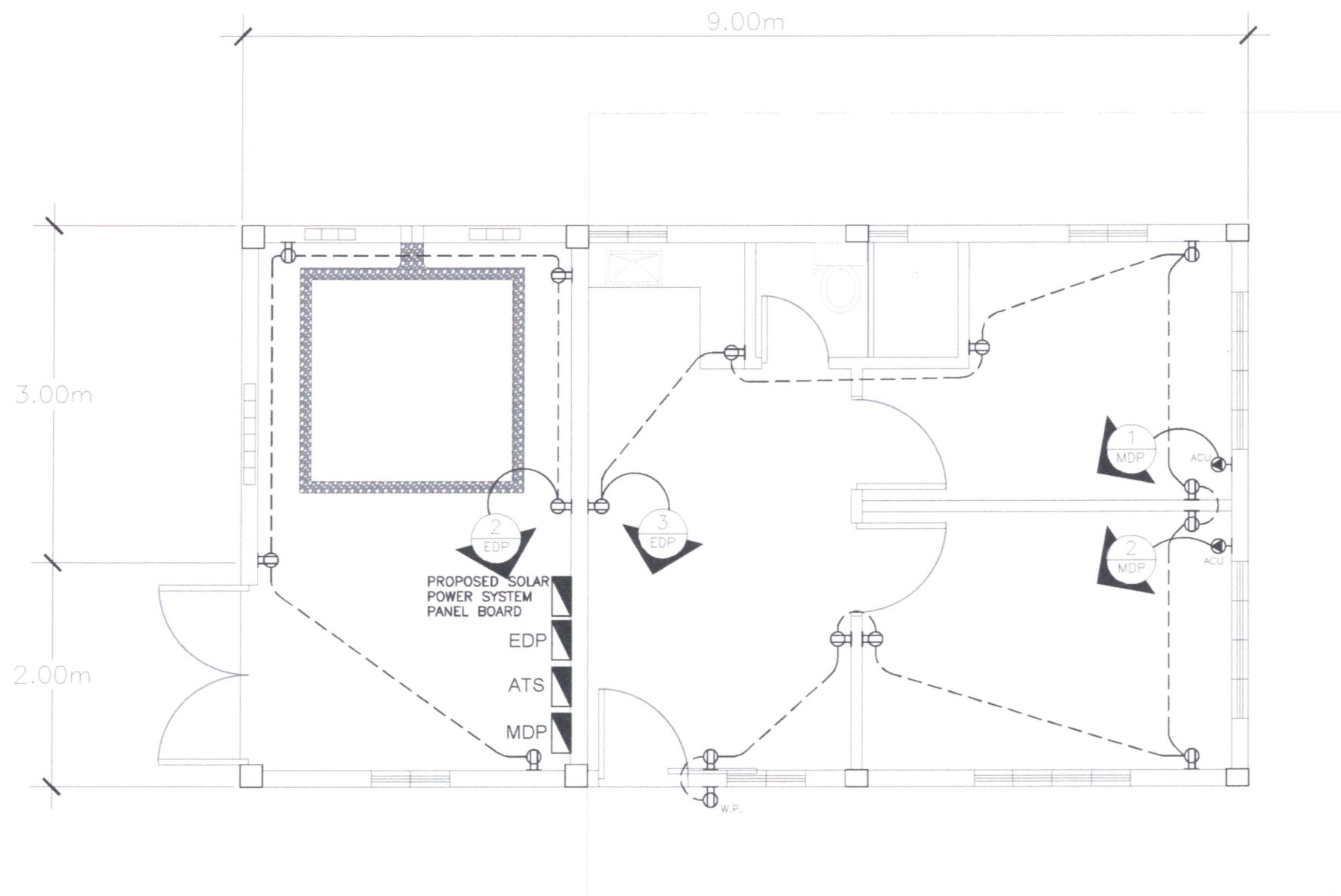
	OWNER	ENGINEER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY	REVISIONS		SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	ARIEL N. GALLEGO JR. WFS-I, MEMU, MEIES, ETSD	ENGR. VIRGILIO C. SESIT PROF. ELECTRICAL ENGR. PRC REG. NO. 01452/10-10-1980 VALID UNTIL - 11-27-2026 PTR 5452324D/01-02-2024/Q.C IIN 106-434-406	CONSTRUCTION OF PAGASA SYNOPTIC BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE	LIGHTING LAYOUT OF OBSERVER'S QUARTERS	ARIEL N. GALLEGO JR.	DATE:		E/4
						CHECKED BY:			
						DATE:			
	LICENSE NO. 0057269 DATE ISSUED:	VALID UNTIL 01/13/2025 PTR NO.	LICENSE NO. 11N 106-434-406 DATE ISSUED:	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				ELECTRICAL	




1
E-5
SCALE
NTS

2
E-5
SCALE
NTS

	OWNER	ENGINEER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY	REVISIONS		SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	ARIEL N. GALLEGO JR. WFS-I, MEMU, MEIES, ETSD	ENGR. VIRGILIO C. SESE PROF. ELECTRICAL ENGR. PRC REG. NO. 01452/10-10-1980 VALID UNTIL – 11-27-2026 PTR 5452324D/01-02-2024/Q.C	CONSTRUCTION OF PAGASA SYNOPTIC BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE	LIGHTING LAYOUT OF PERIMETER FENCE AND SIGNAGE	ARIEL N. GALLEGO JR.	DATE:		E/5
						CHECKED BY:			
						DATE:			
	LICENSE NO. 0057269 PTR NO.	VALID UNTIL. 01/13/2025 DATE ISSUED	LICENSE NO. TIN 106-454-406 PTR NO.	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				ELECTRICAL	



1 POWER LAYOUT (OBSERVER'S QUARTERS)
E-6 SCALE 1:50MTS

	OWNER	ENGINEER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY	REVISIONS		SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	ARIEL N. GALLEGO JR. WFS-I, MEMU, MEIES/ETSD	ENGR. VIRGILIO C. SES PROF. ELECTRICAL ENGR. PRC REG. NO. 01452/10-10-1980 VALID UNTIL - 11-27-2026 PTR 5452324D/01-02-2024/Q.C TIN 106-454-406	CONSTRUCTION OF PAGASA SYNOPTIC BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE	POWER LAYOUT OF OBSERVER'S QUARTERS	ARIEL N. GALLEGO JR.	DATE:		E/6
						CHECKED BY:			
						DATE:			

PANEL: MDP		MAIN: 100AT CB, 2P, 240VAC, 60HZ, 30KAIC, MOLDED CASE CIRCUIT BREAKER, bolt-on													
MOUNTING: SURFACE TYPE		BRANCHES: MCCB & MINIATURE CIRCUIT BREAKERS, 2 POLES, 240VAC, 60HZ, 10KAIC, bolt-on													
ENCLOSURE: NEMA 1		FEEDER: 2-50mm ² + 1-22mm ² (G) THHN WIRE													
LOCATION: GENERATOR ROOM		CONDUIT: 50MMØ RSC & PVC PIPE													

CKT. NO.	DESCRIPTION	SWITCHES				L.O.	C.O.	I	V	VA	WIRE SIZE (THHN)	PIPE (PVC)	CB RATING			LOADS	LOCATION
		S ₁	S ₂	S ₃	S _{3W}								AT	P	KAIC		
1	EDP	11	2	0	4	43	40	65.45	220	12080	2-14mm ² + 1-5.5mm ² (G)	32Ø	60	2	30, MCCB	EDP	GEN SET ROOM
2	1/2HP WINDOW TYPE ACU						1	4.90	220	1078	2-5.5mm ² + 1-2.0mm ² (G)	20Ø	30	2	10, MINI	1/2 HP ACU	OBSERVER'S ROOM
3	1/2HP WINDOW TYPE ACU						1	4.90	220	1078	2-5.5mm ² + 1-2.0mm ² (G)	20Ø	30	2	10, MINI	1/2 HP ACU	OBSERVER'S ROOM
4	2HP WINDOW TYPE						1	12.00	220	2640	2-5.5mm ² + 1-2.0mm ² (G)	20Ø	30	2	10, MINI	2HP ACU	OFFICE AREA
5	2HP WINDOW TYPE						1	12.00	220	2640	2-5.5mm ² + 1-2.0mm ² (G)	20Ø	30	2	10, MINI	2HP ACU	OFFICE AREA
6	PERIMETER FENCE & SINAGE							2.27	220	500	N/A	20Ø	20	2	10, MINI	N/A	GEN SET ROOM
7	SPARE							6.82	220	1500	N/A	20Ø	20	2	10, MINI	N/A	GEN SET ROOM
8	SPARE							6.82	220	1500	N/A	20Ø	20	2	10, MINI	N/A	GEN SET ROOM
TOTAL		11	2	0	4	43	44	115.16	220	23016	2-50mm ² + 1-22mm ² (G)	50Ø	100	2	30	N/A	GEN SET ROOM

$I_{total} = 115.16A \times 70\% D.F. = 80.61A$
 Feeder Size:
 $I_{total} = 80.61A + 25\%(12A) = 83.61A$
 PROVIDE: 2-50mm² + 1-22mm² (G) THHN Wire @50mmØ PVC Pipe




Circuit Breaker Size:
 $I_{total} = 80.61A - 12A + 250\%(12A) = 98.61A$
 PROVIDE: 100AT CB, 30KAIC, 2P, 240VAC, 60HZ, MOLDED CASE CIRCUIT BREAKER

PANEL: EDP		MAIN: 60AT CB, 2P, 240VAC, 60HZ, 30KAIC, MOLDED CASE CIRCUIT BREAKER, bolt-on													
MOUNTING: SURFACE TYPE		BRANCHES: MINIATURE CIRCUIT BREAKERS, 2 POLES, 240VAC, 60HZ, 10KAIC, bolt-on													
ENCLOSURE: NEMA 1		FEEDER: 2-14mm ² + 1-5.5mm ² (G) THHN WIRE													
LOCATION: GEN. SET ROOM		CONDUIT: 32MMØ PVC PIPE													

CKT. NO.	DESCRIPTION	SWITCHES				L.O.	C.O.	I	V	VA	WIRE SIZE (THHN)	PIPE (PVC)	CB RATING			LOADS	LOCATION
		S ₁	S ₂	S ₃	S _{3W}								AT	P	KAIC		
1	SDP	11	2	0	4	43	24	52.36	220	9200	2-8.0mm ² + 1-3.5mm ² (G)	20Ø	50	2	10	SYNOPTIC BUILDING LOADS	SYNOPTIC BUILDING
2	POWER OUTLET						5	4.09	220	900	2-3.5mm ² + 1-2.0mm ² (G)	20Ø	20	2	10	5-CONVENIENCE OUTLETS	OBSERVER'S QUARTER
3	POWER OUTLET						11	9.00	220	1980	2-3.5mm ² + 1-2.0mm ² (G)	20Ø	20	2	10	11-CONVENIENCE OUTLETS	OBSERVER'S QUARTER
TOTAL		11	2	0	4	43	40	65.45	220	12080	2-14mm ² + 1-5.5mm ² (G)	32Ø	60	2	30	N/A	GEN. SET ROOM

$I_{total} = 65.45A \times 70\% D.F. = 45.82A$
 Feeder Size:
 $I_{total} = 45.82A + 25\%(4.9A) = 47.82A$
 PROVIDE: 2-14mm² + 1-5.5mm² (G) THHN Wire @32mmØ PVC Pipe


Circuit Breaker Size:
 $I_{total} = 45.82A - 8A + 250\%(8A) = 57.82A$
 PROVIDE: 60AT CB, 30KAIC, 2P, 240VAC, 60HZ, MOLDED CASE CIRCUIT BREAKER

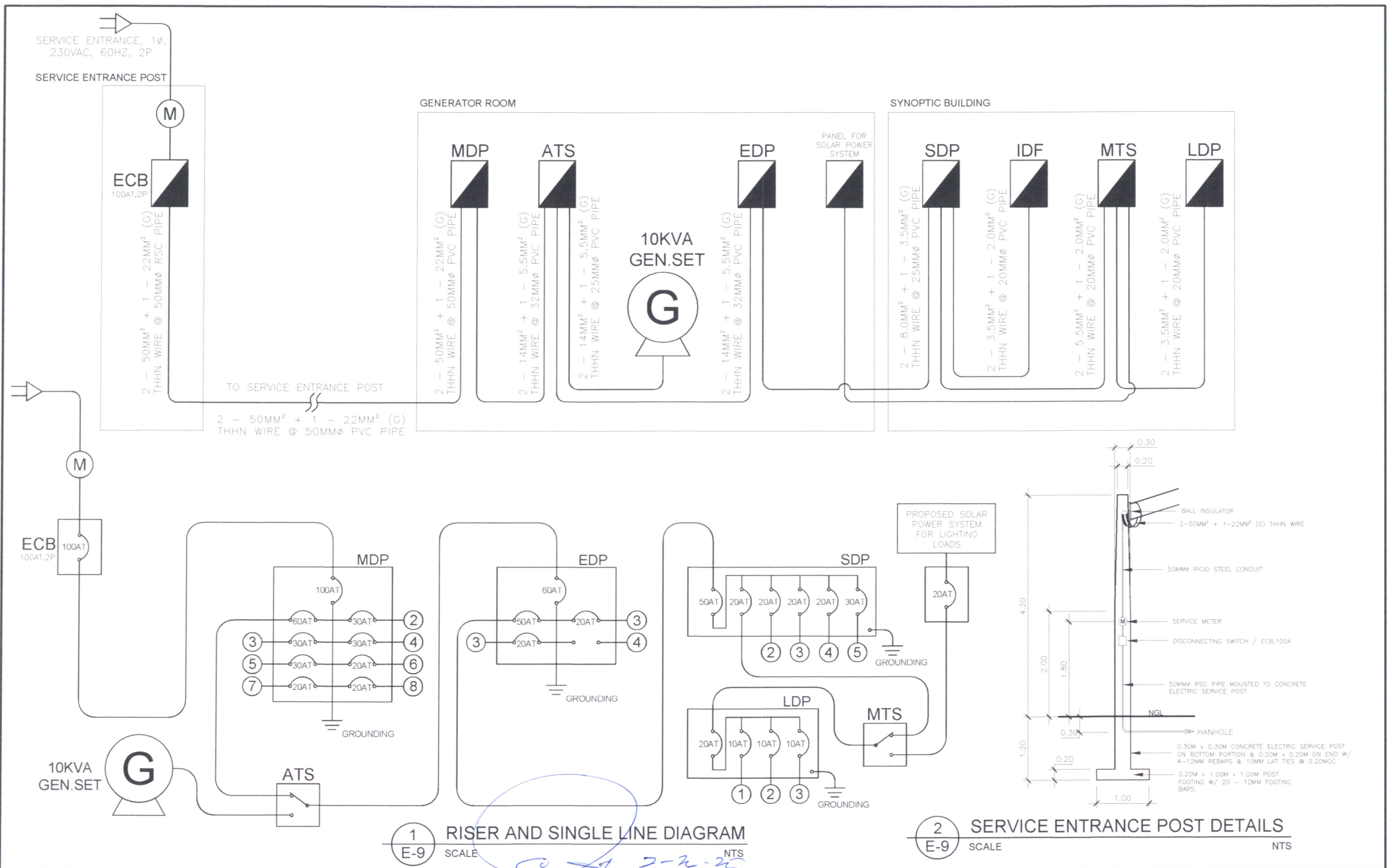
	OWNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY	REVISIONS	SHEET NO.	
	 NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	 ARIEL N. GALLEGO JR. WFS-I, MEMU, MEIES, ETSD	PROE ELECTRICAL ENGR. PRC REG. NO. 01452/10-10-1980 VALID UNTIL - 11-27-2026 PTR 5452324D/01-02-2024/Q.C TIN 106-454-406	CONSTRUCTION OF PAGASA SYNOPTIC BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE	SCHEDULE OF LOADS	ARIEL N. GALLEGO JR. CHECKED BY: DATE:	DATE:	E/7 ELECTRICAL


PANEL:	SDP	MAIN:	50AT CB, 2P, 240VAC, 60HZ, 10KAIC, MINIATURE CIRCUIT BREAKER														
MOUNTING:	RECESSED TYPE	BRANCHES:	MINIATURE CIRCUIT BREAKERS, 2 POLES, 240VAC, 60HZ, 10KAIC														
ENCLOSURE:	MINIATURE CB ENCLOSURE	FEEDER:	2-8.0mm ² + 1-3.5mm ² (G) THHN WIRE														
LOCATION:	SYNOPTIC BUILDING	CONDUIT:	25MMØ PVC PIPE														
CKT. NO.	DESCRIPTION	SWITCHES				L.O.	C.O.	I	V	VA	WIRE SIZE (THHN)	PIPE (PVC)	CB RATING			LOADS	LOCATION
		S ₁	S ₂	S ₃	S _{3W}								AT	P	KAIC		
1	LDP	11	2	0	4	43	0	19.55	220	1980	2-5.5mm ² + 1-2.0mm ² (G)	20Ø	20	2	10	43-LIGHTING LOADS	SYNOPTIC BUILDING
2	POWER OUTLET						11	9.00	220	1980	2-3.5mm ² + 1-2.0mm ² (G)	20Ø	20	2	10	11-CONVENIENCE OUTLETS	OFFICE AREA
3	POWER OUTLET						11	9.00	220	1980	2-3.5mm ² + 1-2.0mm ² (G)	20Ø	20	2	10	11-CONVENIENCE OUTLETS	OFFICE AREA
4	IDF AND NVR						1	6.82	220	1500	2-3.5mm ² + 1-2.0mm ² (G)	20Ø	20	2	10	MANAGED SWITCH AND NVR	OFFICE AREA
5	1HP WATER PUMP						1	8.00	220	1760	2-5.5mm ² + 1-2.0mm ² (G)	20Ø	30	2	10	1HP WATER PUMP	REAR AREA
TOTAL		11	2	0	4	43	24	52.36	220	9200	3-8.0mm ² + 1-3.5mm ² (G)	25Ø	50	2	10	N/A	OFFICE AREA
<div><div><p>$I_{total} = 52.36A \times 70\%D.F. = 36.65A$</p><p>Feeder Size:</p><p>$I_{total} = 36.44A + 25\%(8A) = 38.44A$</p><p>PROVIDE: 2-8.0mm² + 1-3.5mm² (G) THHN Wire @25mmØ PVC Pipe</p></div><div><p>Circuit Breaker Size:</p><p>$I_{total} = 36.65A - 8A + 250\%(8A) = 48.65A$</p><p>PROVIDE: 50AT CB, 10kaIC, 2P, 240VAC, 60HZ, MINIATURE CIRCUIT BREAKER</p></div></div>																	

PANEL:	LDP	MAIN:	20AT CB, 2P, 240VAC, 60HZ, 30KAIC, MOLDED CASE CIRCUIT BREAKER														
MOUNTING:	RECESSED TYPE	BRANCHES:	MINIATURE CIRCUIT BREAKERS, 2 POLES, 240VAC, 60HZ, 10KAIC														
ENCLOSURE:	MINIATURE CIRCUIT BREAKER	FEEDER:	2-5.5mm2 + 1-2.0mm2 (6) THHN WIRE														
LOCATION:	SYNOPTIC BUILDING	CONDUIT:	20MMØ PVC PIPE														
CKT. NO.	DESCRIPTION	SWITCHES				L.O.	C.O.	I	V	VA	WIRE SIZE (THHN)	PIPE (PVC)	CB RATING			LOADS	LOCATION
		S ₁	S ₂	S ₃	S _{3W}								AT	P	KAIC		
1	LIGHTING OUTLET	2			4	14		6.36	220	1400	2-2.0mm ² + 1-2.0mm ² (G)	20Ø	10	2	10	6-LED PANELS, 3-EMERGENCY LIGHTS, 3-DOWNLIGHTS	OFFICE AREA & CANOPY
2	LIGHTING OUTLET	5	1			14		6.36	220	1400	2-2.0mm ² + 1-2.0mm ² (G)	20Ø	10	2	10	14-DOWNLIGHTS	UTILITY ROOMS & CANOPY
3	LIGHTING OUTLET	4	1			15		6.82	220	1500	2-2.0mm ² + 1-2.0mm ² (G)	20Ø	10	2	10	3-LED PANEL, 1- EMERGENCY LIGHT, 11-DOWNLIGHTS	BEN.SET ROOM & OBSERVER'S QUARTER
TOTAL		11	2	0	4	43	0	19.55	220	4300	2-5.5mm ² + 1-2.0mm ² (G)	20Ø	20	2	10	N/A	SYNOPTIC BUILDING
<div><div><div>$I_{total} = 19.55A \times 70\%D.F. = 13.68A$</div><div>Feeder Size: $I_{total} = 13.68A$</div><div>PROVIDE: 2-5.5mm² + 1-2.0mm² (6) THHN Wire @20mmØ PVC Pipe</div></div><div><div>Circuit Breaker Size: $I_{total} = 13.68A \times 125\% = 17.10A$</div><div>PROVIDE: 20AT CB, 10kaIC, 2P, 240VAC, 60HZ, MINIATURE CIRCUIT BREAKER</div></div></div>																	






TRANSFORMER RATING COMPUTATION:	GENERATOR SET RATING COMPUTATION (for Emergency Loads Only):
$KVA = (E \times I) \div 1000$ $= (220V \times 100A) \div 1000$ $= 22KVA$ Provide: 25KVA, 1Ø, 220V TRANSFORMER	$KW = KVA \times 0.8 P.F.$ $= (220V \times 60A) KVA \times 0.8 P.F.$ $= 10.56KW$ Provide: 10KW, 1Ø, 220V GENERATOR SET

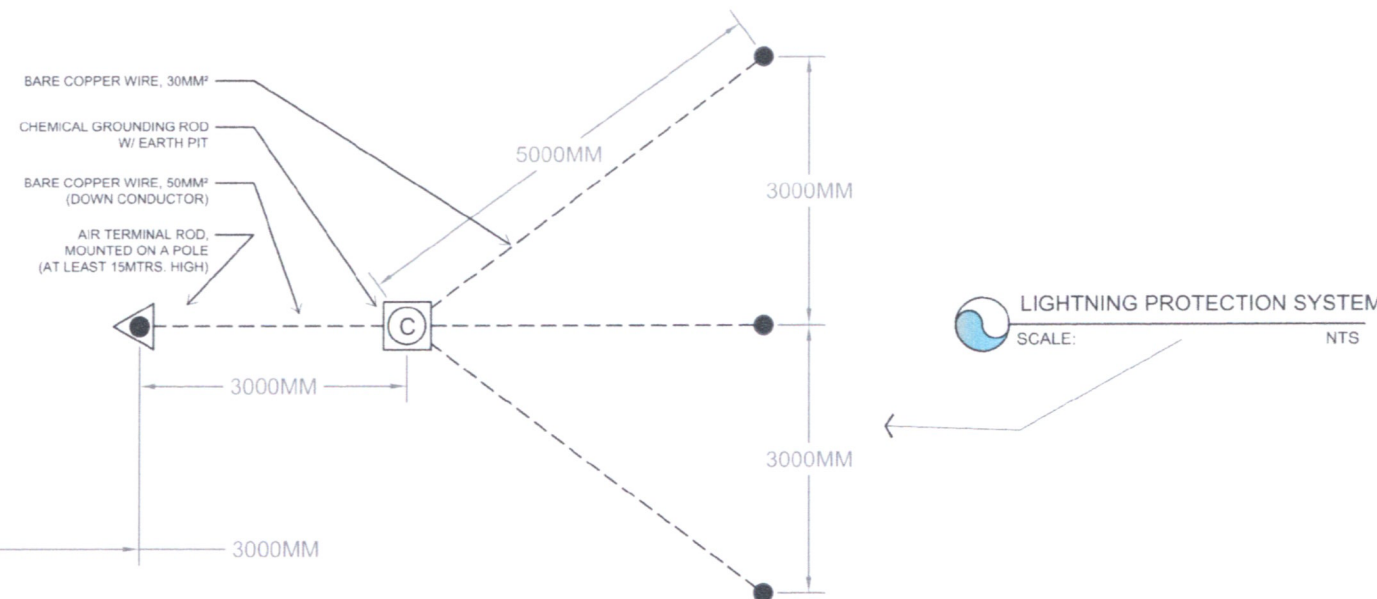
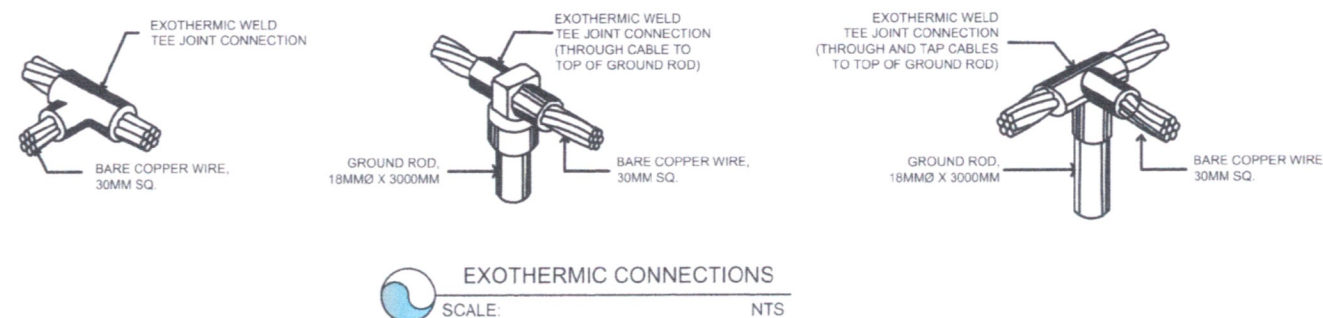
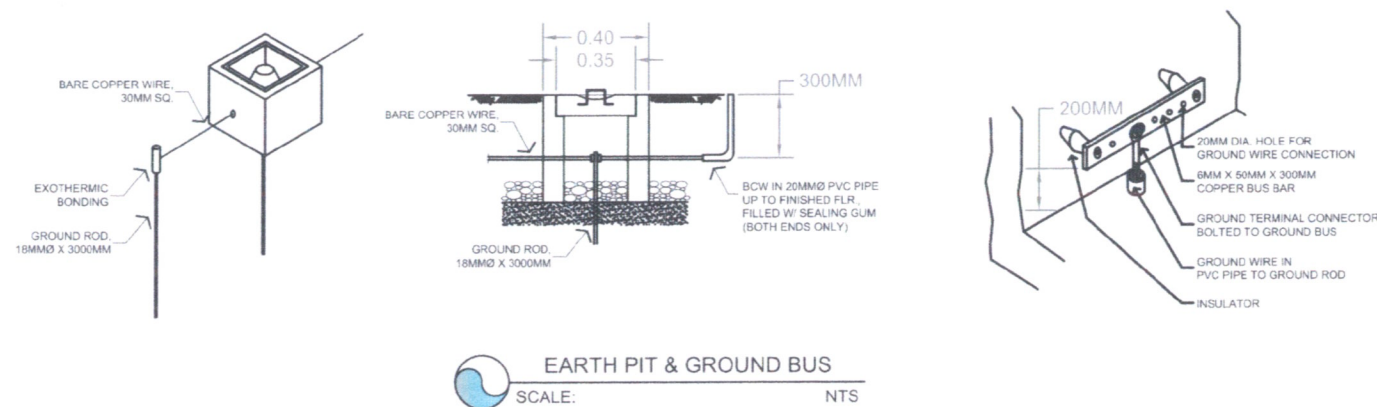
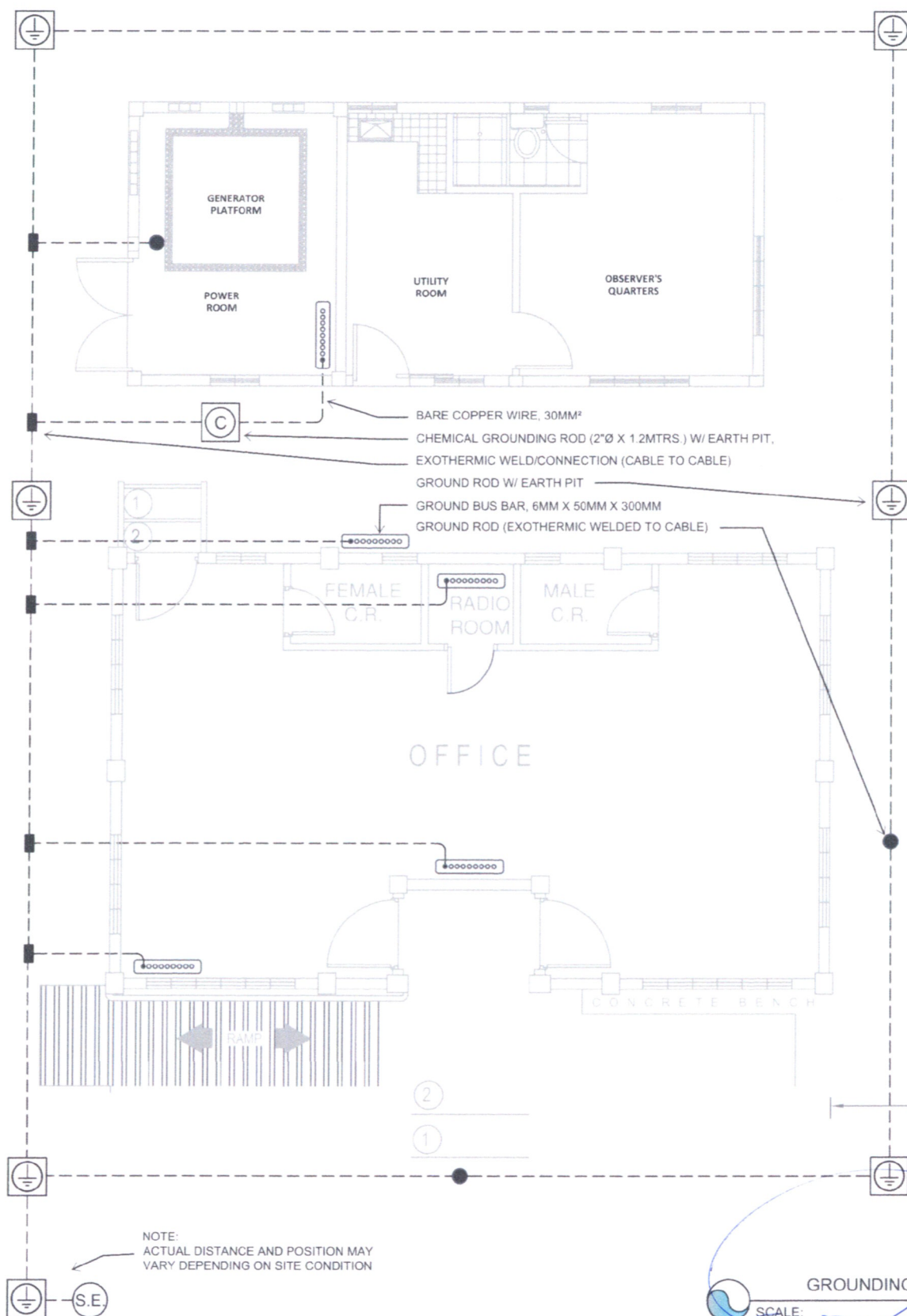
	OWNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY	REVISIONS	SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D.	ENGR. VIRGILIO C. SESA PROF. ELECTRICAL ENGR. PRC REG. NO. 01452/10-10-1980 VALID UNTIL - 11-27-2026 PTR 5452324D/01-02-2024/Q.C	CONSTRUCTION OF PAGASA SYNOPTIC BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE	SCHEDULE OF LOADS	ARIEL N. GALLEGO JR.	DATE:	E/8
	ADMINISTRATOR	WFS-I, MEMU, MEIES, ETSO	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE		CHECKED BY:		
		LICENSE NO. 0057269 DATE ISSUED			DATE:		
		PTR NO.					ELECTRICAL



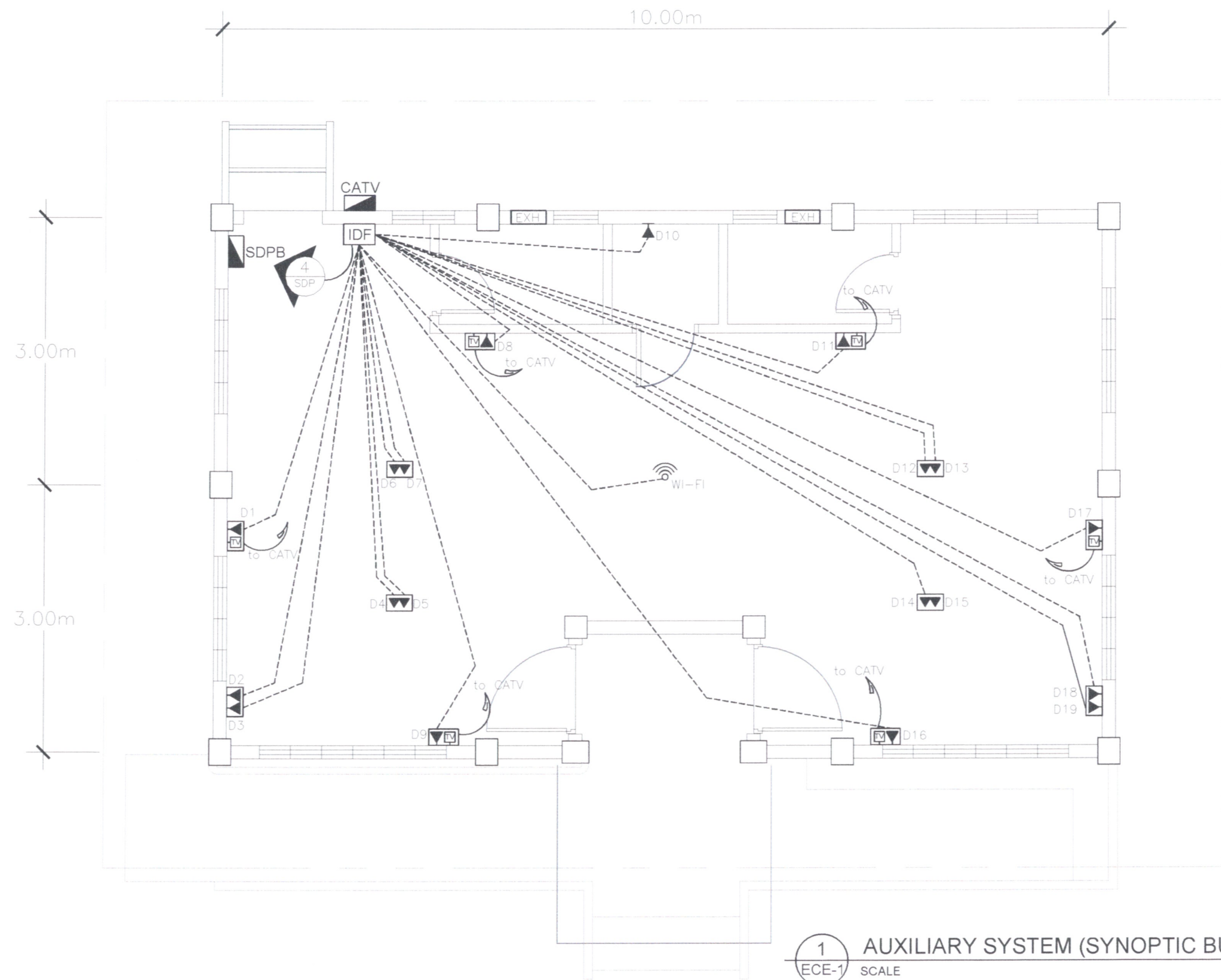
	OWNER NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	ENGINEER ARIEL N. GALLEGO JR. WFS-I, MEMU, MEIES, ETSD	ENGINEER ENGR. VIRGILIO C. SESE PRC REG. NO. 01452/10-10-1989 VALID UNTIL - 11-27-2026 PTR 5452324D/01-02-2024/Q.C. TIN 106-454-406	PROJECT TITLE CONSTRUCTION OF PAGASA SYNOPSIS BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE	SHEET CONTENT RISER DIAGRAM SINGLE LINE DIAGRAM SERVICE ENTRANCE POST DETAILS	DRAWN BY ARIEL N. GALLEGO JR. CHECKED BY: DATE:	REVISIONS DATE:	SHEET NO. E/9 ELECTRICAL
---	---	---	---	---	---	---	---------------------------	---------------------------------------




	OWNER	ENGINEER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY	REVISIONS		SHEET NO.
	 NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	 ARIEL N. GALLEGO JR. WFS-I, MEMU, MEES, ETSD	 ENGR. VIRGILIO C. SESE PROF. ELECTRICAL ENGR. PRC REG. NO. 01452/10-10-1980 VALID UNTIL - 11-27-2026 PTR 5452324D/01-02-2024/Q.C. TIN 100-434-406	CONSTRUCTION OF PAGASA SYNOPTIC BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE	TRENCHING LAYOUT OF MAIN FEEDER LINE AND AUXILIARY SYSTEM HANDHOLE DETAILS & TRENCHING	 ARIEL N. GALLEGO JR.	DATE:		E/10 ELECTRICAL
						CHECKED BY:			
						DATE:			
						LICENSE NO. 0057269	VALID UNTIL 01/13/2025	LICENSE NO.	
PTR NO.	DATE ISSUED	PTR NO.	DATE ISSUED						

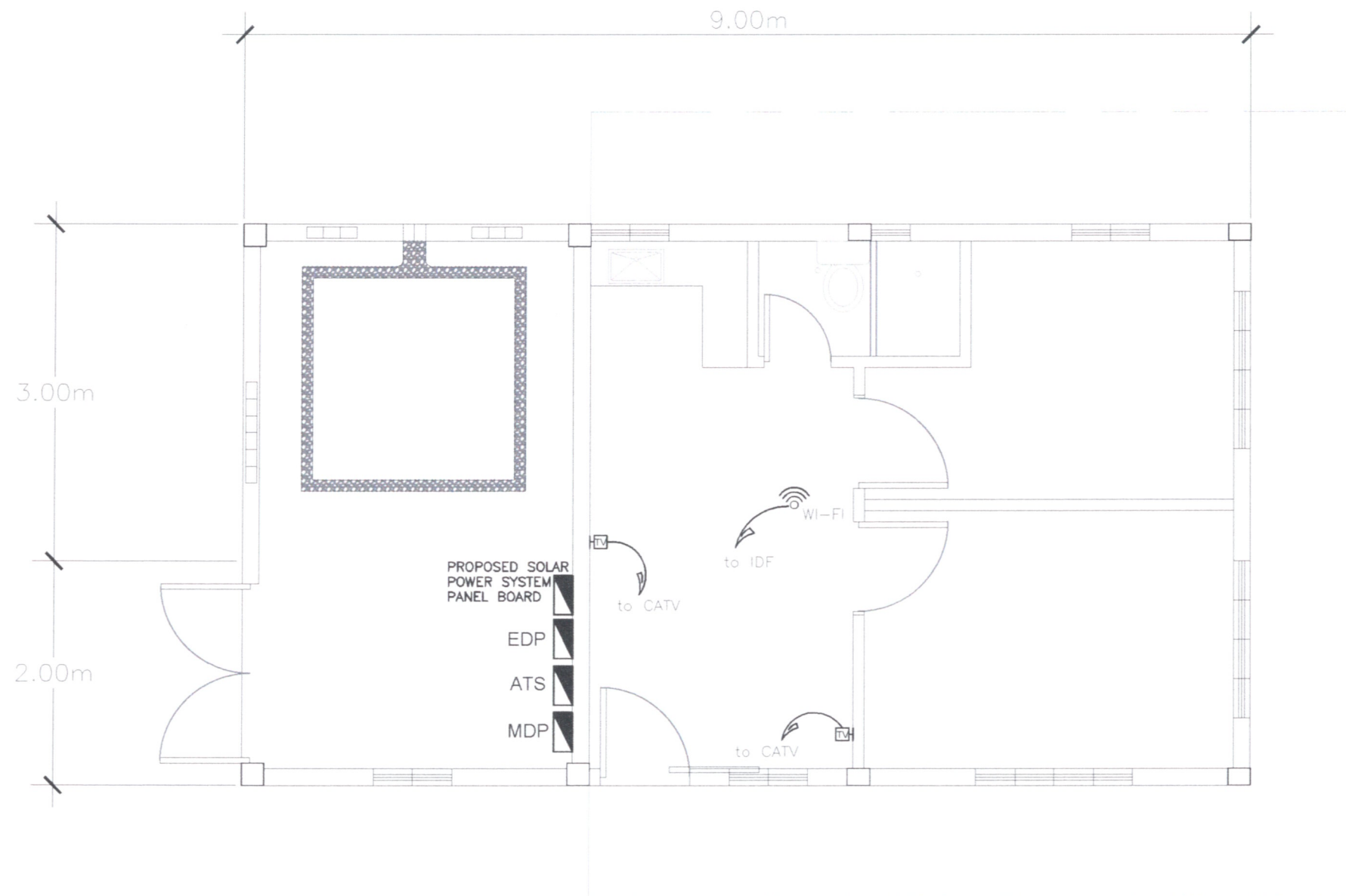


	OWNER NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	ENGINEER DIOSDADO S. ORNUM WFS-III, EPSU-METTS, ETSD	ENGINEER ENGR. VIRGILIO C. SESE PROF. ELECTRICAL ENGR. PRC REG. NO. 01452/10-10-1980 VALID UNTIL - 11-27-2026 PTR 5452324D/01-02-2024/Q.C. TIN 105-454-406	PROJECT TITLE CONSTRUCTION OF PAGASA SYNOPTIC BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE	SHEET CONTENT LIGHTNING PROTECTION AND GROUNDING SYSTEM DETAILS	DRAWN BY A.C.M. CRUZ CHECKED BY: DATE:	REVISIONS DATE:	SHEET NO. E/11 ELECTRICAL
--	---	---	--	---	---	---	---------------------------	---




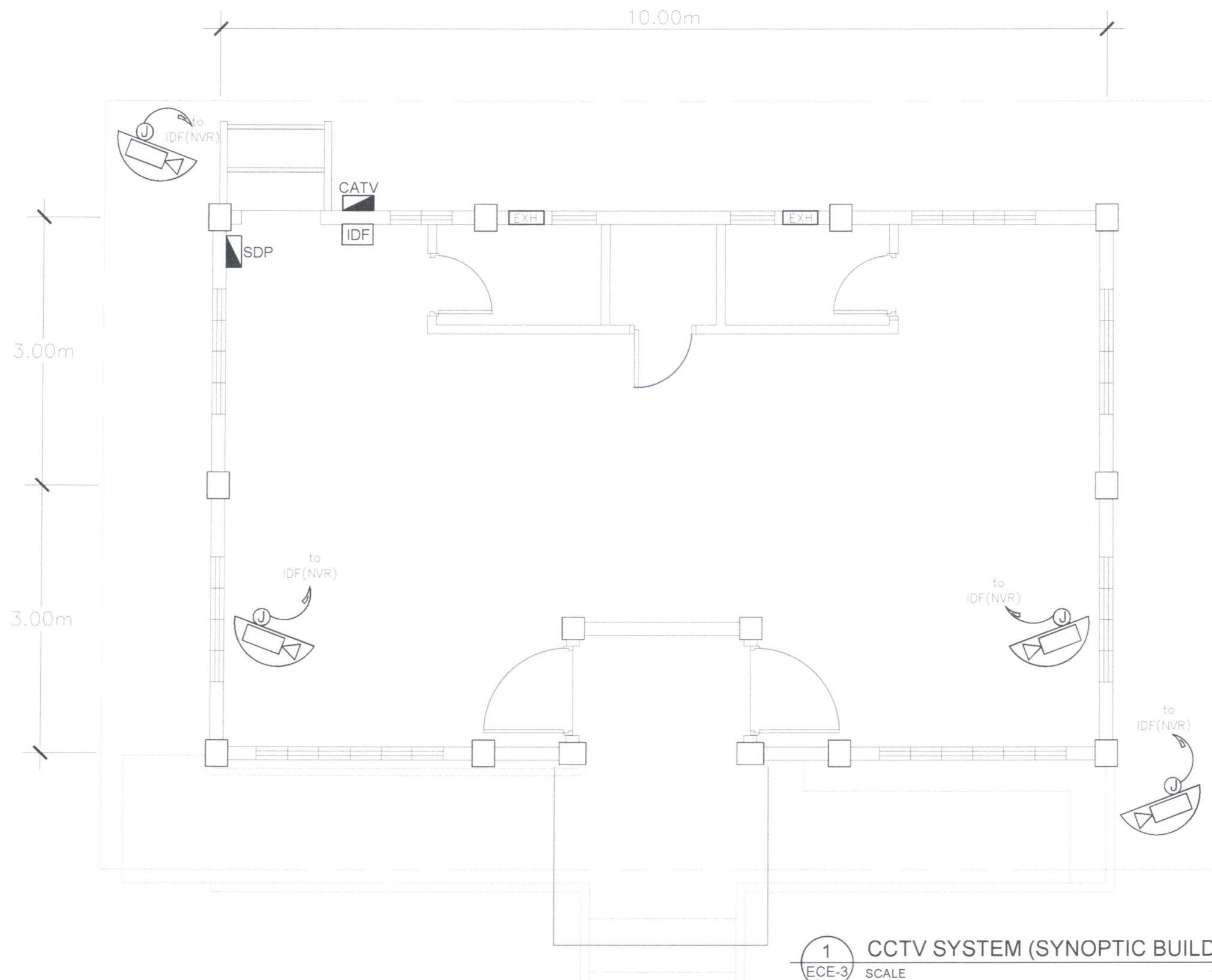
1 AUXILIARY SYSTEM (SYNOPTIC BUILDING)
 ECE-1 SCALE 1:50MTS

	OWNER	ENGINEER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY	REVISIONS	SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	ENGR. JESSE H. JUMONONG PROFESSIONAL ELECTRONICS ENGINEER REG. # 0011118 VALID UNTIL OCTOBER 15, 2028 PLACE ISSUED: MAKATI CITY	LICENSE NO. 1011118 VALID UNTIL 10/15/2028 DATE ISSUED: JANUARY 2, 2022	CONSTRUCTION OF PAGASA SYNOPTIC BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE	NETWORK CABLING SYSTEM AND CATV SYSTEM OF SYNOPTIC BUILDING	ARIEL N. GALLEGU JR. CHECKED BY: DATE:	DATE:	ECE/1 ELECTRONICS & COMMUNICATIONS




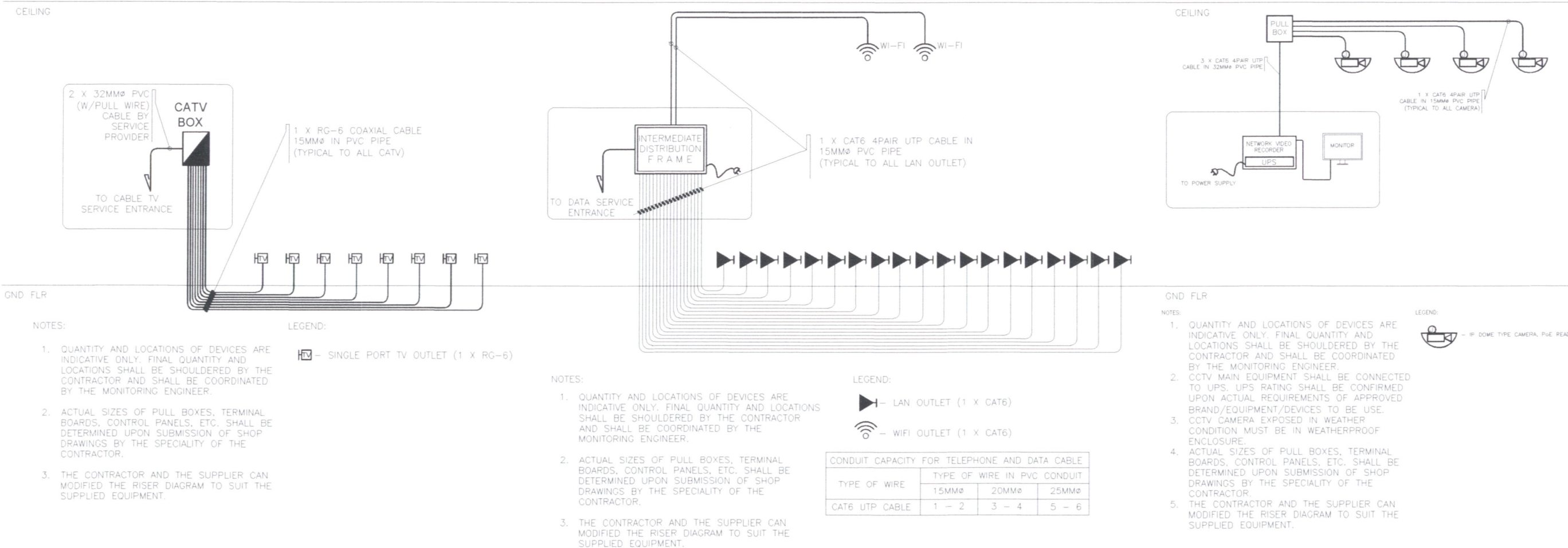
1 AUXILIARY SYSTEM (OBSERVER'S QUARTERS)
 ECE-2 SCALE 1:50MTS

	OWNER	ENGINEER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY	REVISIONS	SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	ENGR. JESSE H. JUMONONG PROFESSIONAL ELECTRONICS ENGINEER REG. # 001058 VALID UNTIL OCTOBER 15, 2026 DATE ISSUED JANUARY 2, 2023 PLACE ISSUED: MAKATI CITY		CONSTRUCTION OF PAGASA SYNOPTIC BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE	NETWORK CABLING SYSTEM AND CATV SYSTEM OF OBSERVER'S QUARTERS	ARIEL N. GALLEGOS JR. CHECKED BY: DATE:	DATE: DATE: DATE:	ECE/2 ELECTRONICS & COMMUNICATIONS



1 CCTV SYSTEM (SYNOPTIC BUILDING)
ECE-3 SCALE 1:50MTS

	OWNER	ENGINEER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY	REVISIONS		SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	ENCR. JESSE H. JUMONONG PROFESSIONAL ELECTRONICS ENGINEER REG. # 94-1008 VALID UNTIL: OCTOBER 15, 2026 PTR # 1007501		CONSTRUCTION OF PAGASA SYNOPTIC BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE	CCTV SYSTEM OF SYNOPTIC BUILDING	ARIEL N. GALLEGU JR.	DATE:		ECE/3
				CHECKED BY:					
				DATE:					
	LICENSE NO. DATE ISSUED: FEBRUARY 2, 2024 PTR NO. DATE ISSUED: MARICUYA CITY	LICENSE NO. VALID UNTIL: PTR NO. DATE ISSUED:	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE					ELECTRONICS & COMMUNICATIONS	



1 AUXILIARY SYSTEM RISER DIAGRAM
ECE-4 SCALE NTS

OWNER	ENGINEER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	ENGR. JEROME H. JUMONONG PROFESSIONAL ELECTRONICS ENGINEER VALID UNTIL: OCTOBER 15, 2026		CONSTRUCTION OF PAGASA SYNOPTIC BUILDING, OBSERVER'S QUARTERS, POWER HOUSE AND PERIMETER FENCE	AUXILIARY SYSTEM RISER DIAGRAM SERVICE ENTRANCE POST DETAILS	ARIEL N. GALLEGOS JR. CHECKED BY: DATE:	DATE:	ECE/4 ELECTRONICS & COMMUNICATIONS
	LICENSE NO. DATE ISSUED: JANUARY 2, 2024 PTR NO. PLACE ISSUED: NAKA CITY	LICENSE NO. VALID UNTIL: DATE ISSUED: PTR NO.	LOCATION: VISAYAS STATE UNIVERSITY - INOPACAN ROAD, BAYBAY CITY, LEYTE				