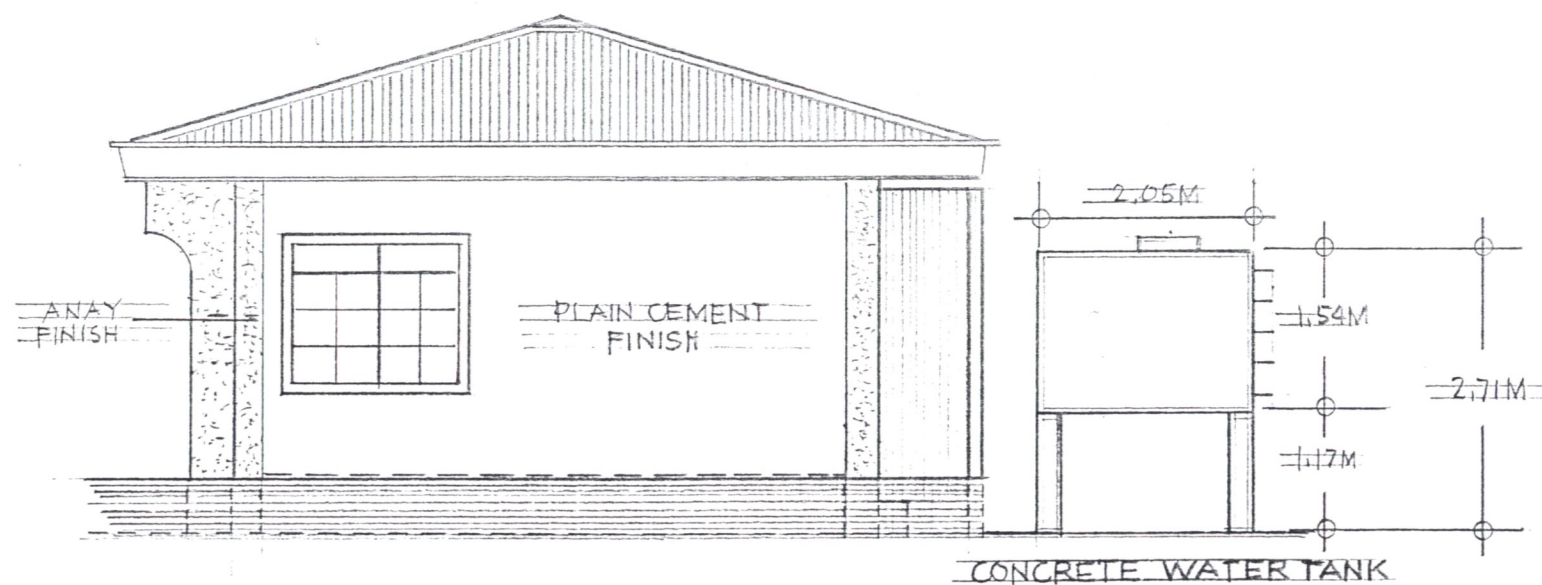
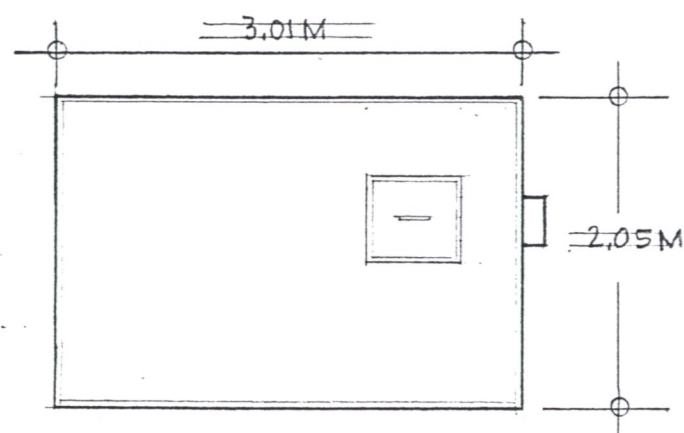


	<b>OWNER</b>  <b>NATHANIEL T. SERVANDO, Ph.D.</b> ADMINISTRATOR	<b>DESIGNER</b>  <b>RODERICK L. DELA CRUZ</b> WO II, INFRA UNIT	<b>ENGINEER</b>  <b>ROMEO M. PELAGIO</b> CHIEF, MEIES	<b>PROJECT TITLE</b> REPAIR/REHABILITATION OF PAGASA TUGUEGARAO SYNOPTIC STATION  <b>LOCATION:</b> PAGASA, CAGAYAN PROVINCIAL CAPITOL, TUGUEGARAO CITY, CAGAYAN	<b>SHEET CONTENT</b> AS SHOWN	<b>DRAWN BY:</b> 04-2024 RODERICK L. DELA CRUZ <b>CHECKED BY:</b> BRIAN P. BUNGABONG <b>DATE:</b>	<b>REVISIONS</b>	<b>SHEET NO.</b> A2 ARCHITECTURAL
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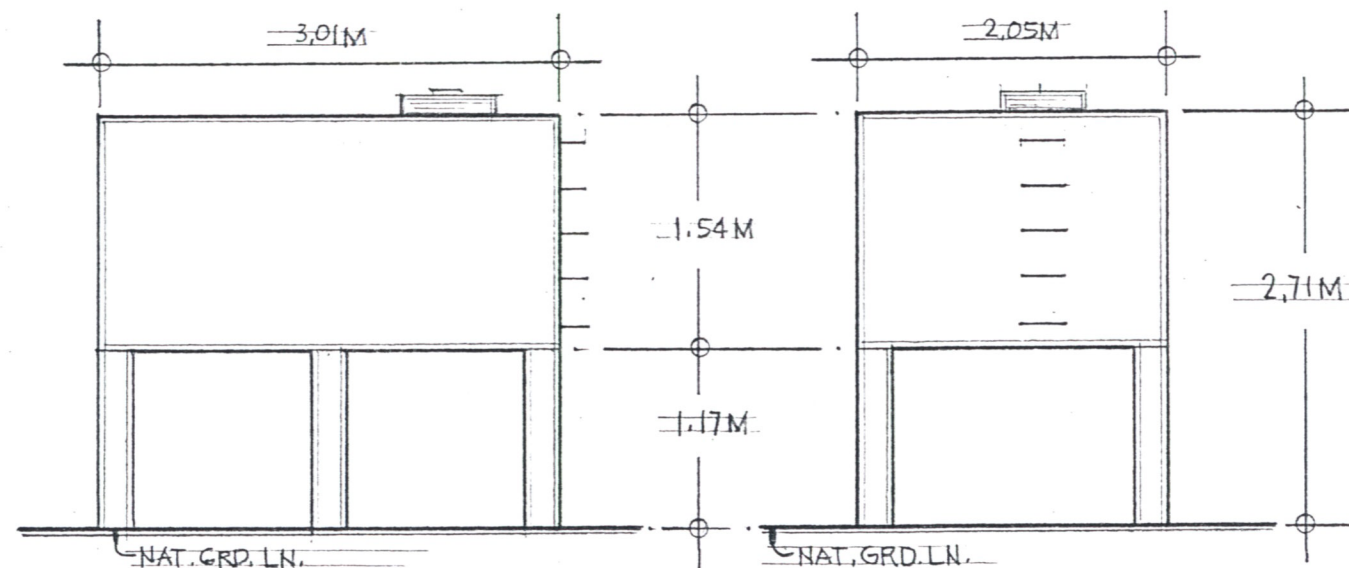





RIGHT SIDE ELEVATION  
SCALE 1:75 MTS



PLAN  
CONCRETE WATER TANK  
SCALE 1:50 MTS



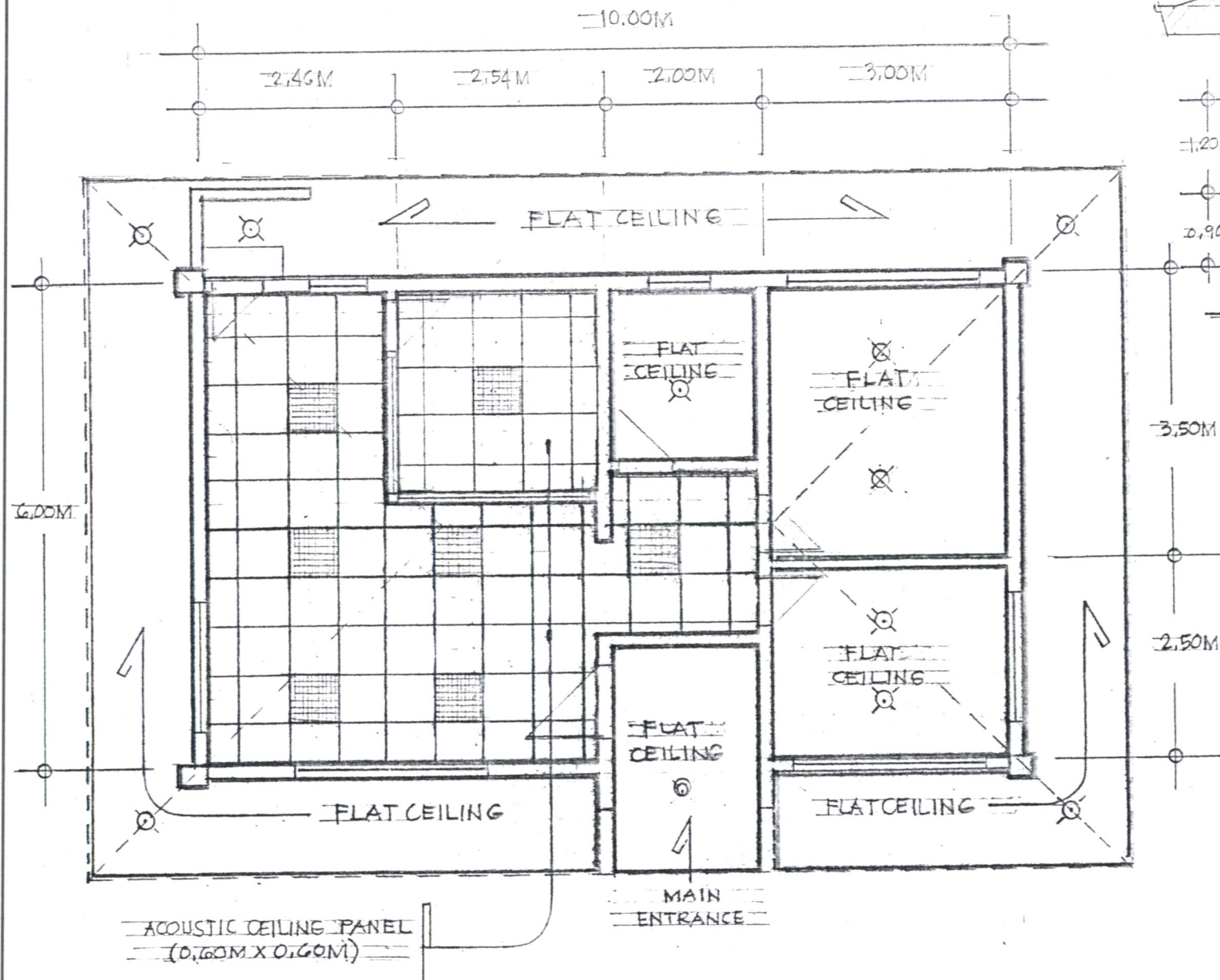
ELEVATION  
CONCRETE WATER TANK  
SCALE 1:50 MTS

	OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY: 04.2024	REVISIONS		SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	RODERICK L. DELA CRUZ WO. II, INFRA UNIT	ROMEO M. PELAGIO CHIEF, MEIES	REPAIR/REHABILITATION OF PAGASA TUGUEGARAO SYNOPTIC STATION	AS SHOWN	RODERICK L. DELA CRUZ			A3
						CHECKED BY:			
						BRIAN P. BUNGABONG			
						DATE:			ARCHITECTURAL



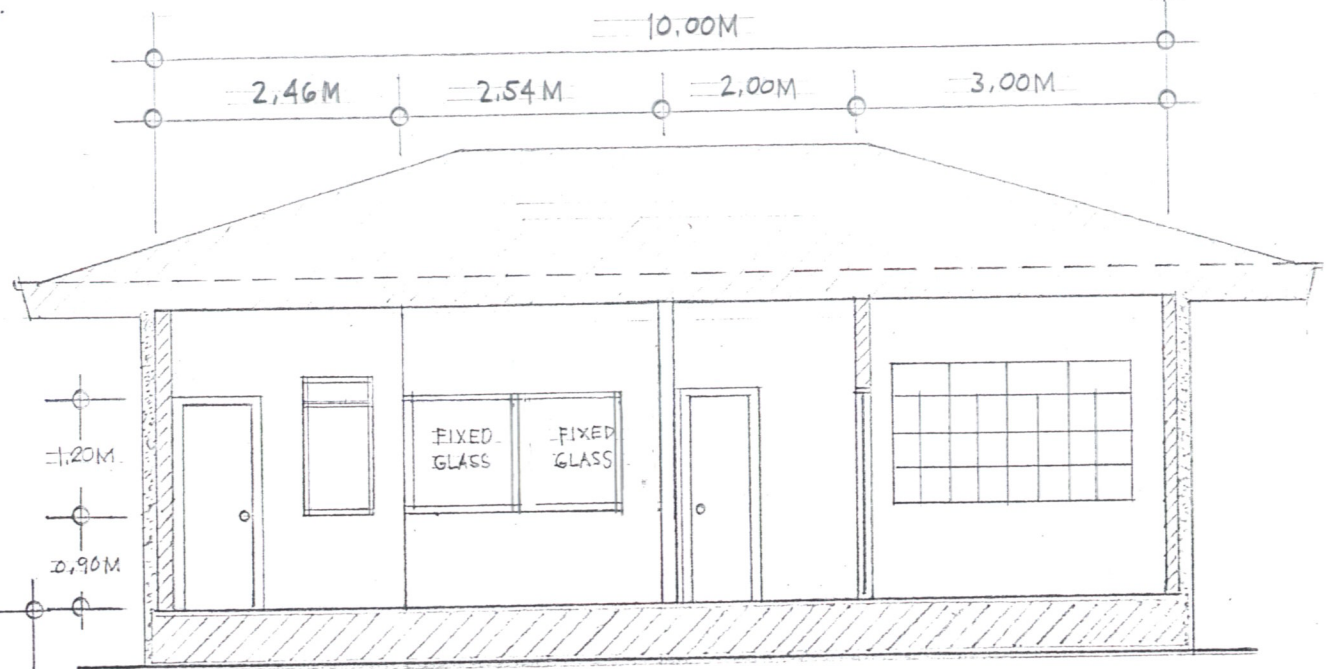
# LEGEND

- 9W LED LIGHT, SURFACE TYPE
- 9W LED LIGHT, RECESSED TYPE
- 12W LED LIGHT, RECESSED TYPE
- 0.60M X 0.60M LED PANEL, RECESSED TYPE



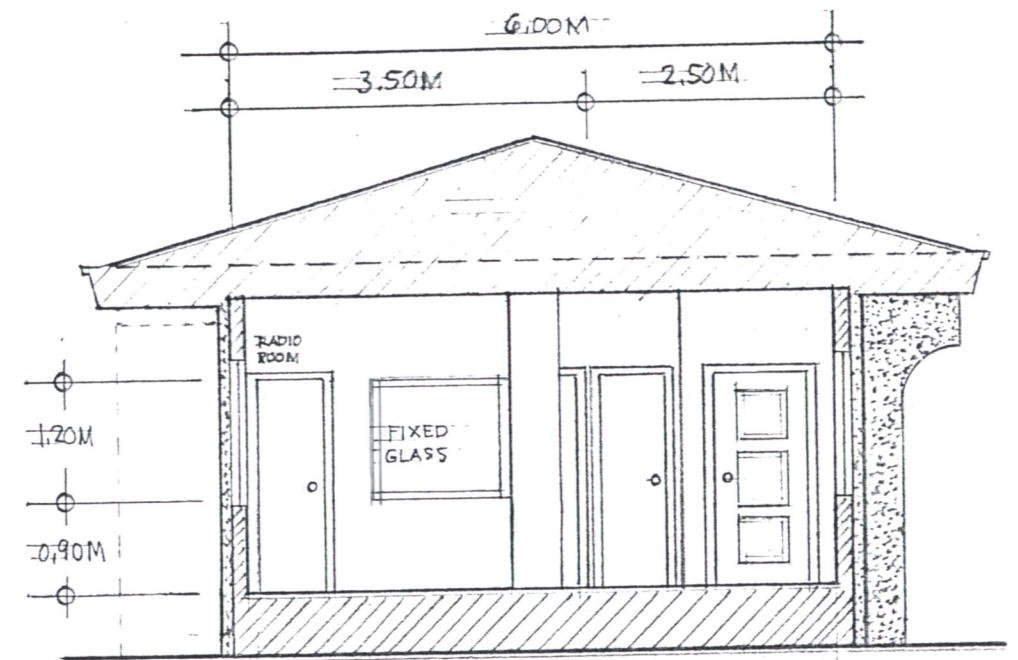
## REFLECTED CEILING PLAN

SCALE 1:75 MTS



## LONGITUDINAL SECTION THRU "M-M"

SCALE 1:75 MTS



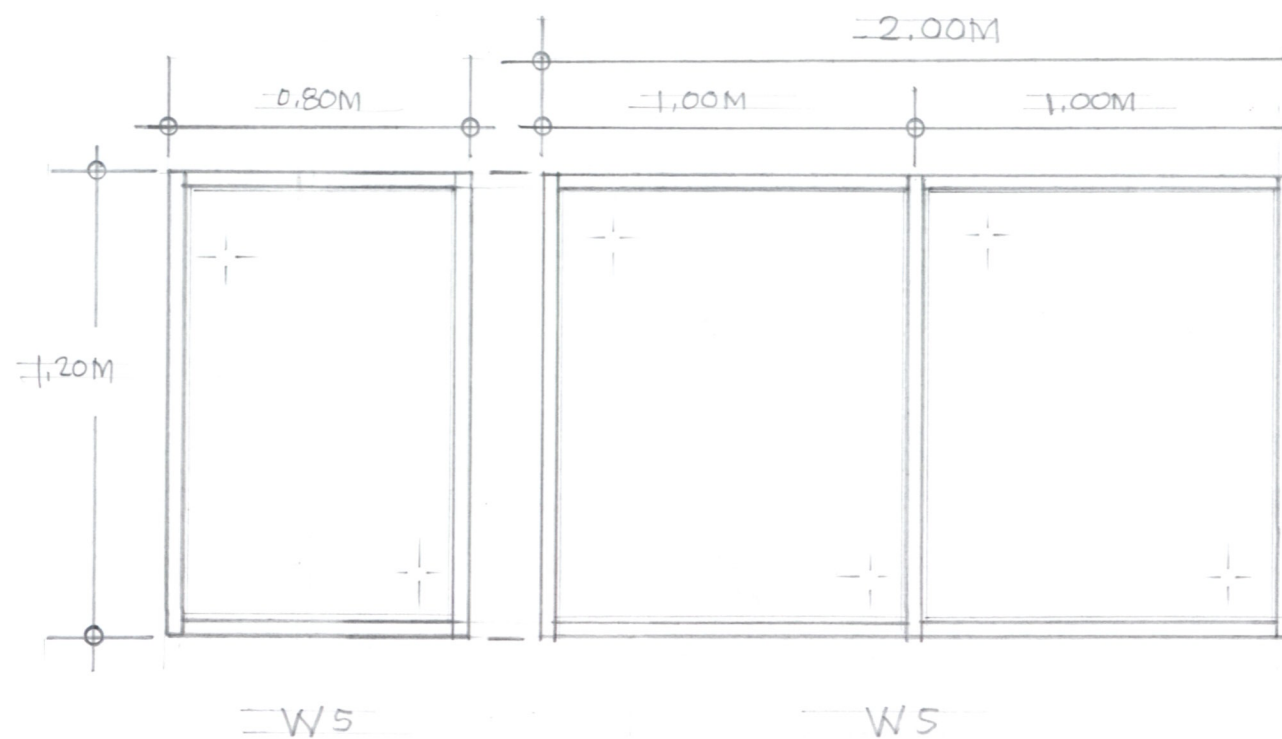
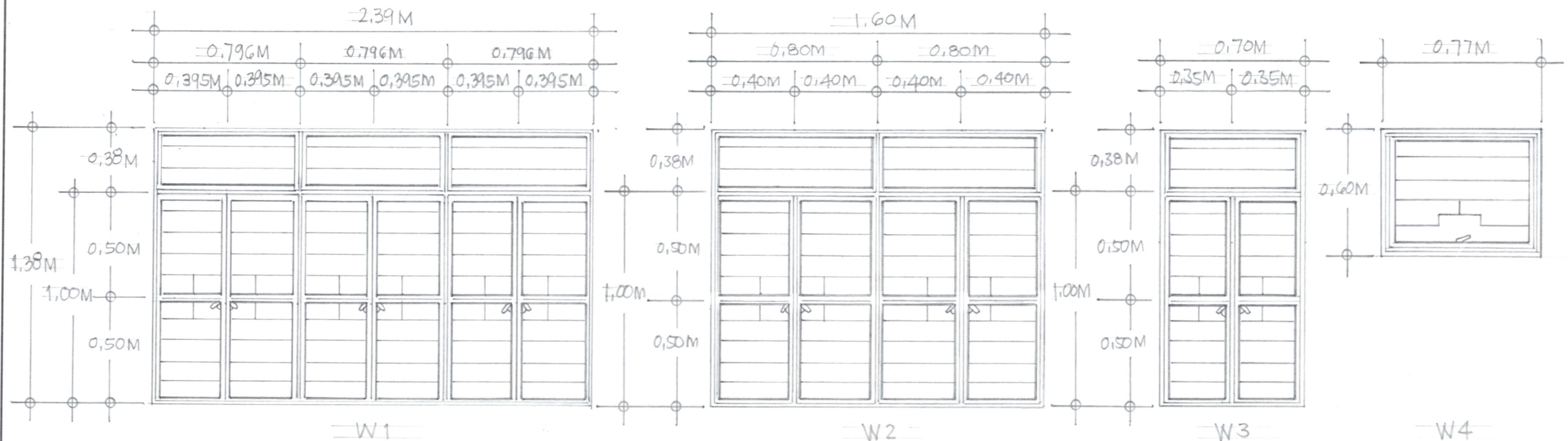
## CROSS SECTION THRU "R-R"

SCALE 1:75 MTS



OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY: 04-2024	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	RODERICK L. DELA CRUZ WO 11-INERA UNIT	ROMEO M. PELAGIO CHIEF, MEIES	REPAIR/REHABILITATION OF PAGASA TUGUEGARAO SYNOPTIC STATION	AS SHOWN	RODERICK L. DELA CRUZ		A4
					CHECKED BY: Brian P. Bungabong		
					DATE:		ARCHITECTURAL
	LICENSE NO.: PTR NO.:	VALID UNTIL: DATE ISSUED:	LICENSE NO.: 0043058 PTR NO.:	VALID UNTIL: DATE ISSUED:			





SCALE 1:20 M. ON DRAWING

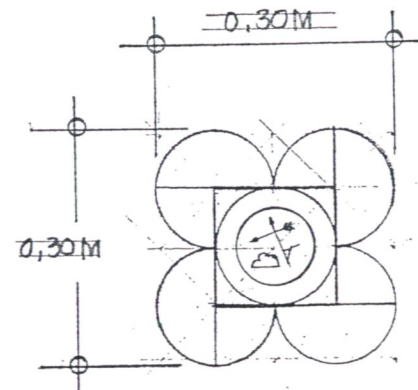
### WINDOW SCHEDULE

CODE	WINDOW TYPE	DIMENSION	SCHEDULE
W1	3-STEEL CASEMENT WINDOW	2.39M X 1.38M OPENING W/ 3-WINDOW BAYS AT 0.395M X 1.00M / BAY	30 MM X 25MM STEEL CASEMENT FRAMING WITH 12MM SQUARE BAR PROTECTED GRILLS ON INSIDE AT 100MM DISTANCE ON CENTER, PROVIDE 5.0MM THK. SMOKE GLASS COVER, STEEL FRAMING SHALL BE PAINTED W/ GLOSS BLACK PAINT ENAMEL FINISHES
W2	2-STEEL CASEMENT WINDOW	1.60M X 1.38M OPENING W/ 2-WINDOW BAYS AT 0.40M X 1.00M / BAY	- DO -
W3	1-STEEL CASEMENT WINDOW	0.70M X 1.38M OPENING W/ 2-WINDOW BAYS AT 0.35M X 1.00M / BAY	- DO -
W4	1-AWNING TYPE STEEL WINDOW	0.77M X 0.60M OPENING	- DO -
W5	2-FIXED GLASS WINDOW	1.20M X 0.80M OPENING W/ 1-BAY & 1.20M X 2.00M OPENING W/ 2 BAYS AT 1.00M X 1.20M ON CENTER	50MM X 50MM FRAME W/ 5.0MM THK. CLEAR GLASS COVER (ALUMINUM FRAME)



OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY:	REVISIONS	SHEET NO.
NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	RODERICK L. DELA CRUZ WO II, INFRA UNIT	ROMEO M. PELAGIO CHIEF, MEIES	REPAIR/REHABILITATION OF PAGASA TUGUEGARAO SYNOPTIC STATION	AS SHOWN	RODERICK L. DELA CRUZ		A5
					CHECKED BY: BRIAN P. BUNGABONG		
					DATE:		ARCHITECTURAL





77mm


PAGASA TUGUEGARAO

SYNOPTIC AND UPPER AIR STATION

59mm













127mm / 5 inches STAINLESS STEEL LETTER

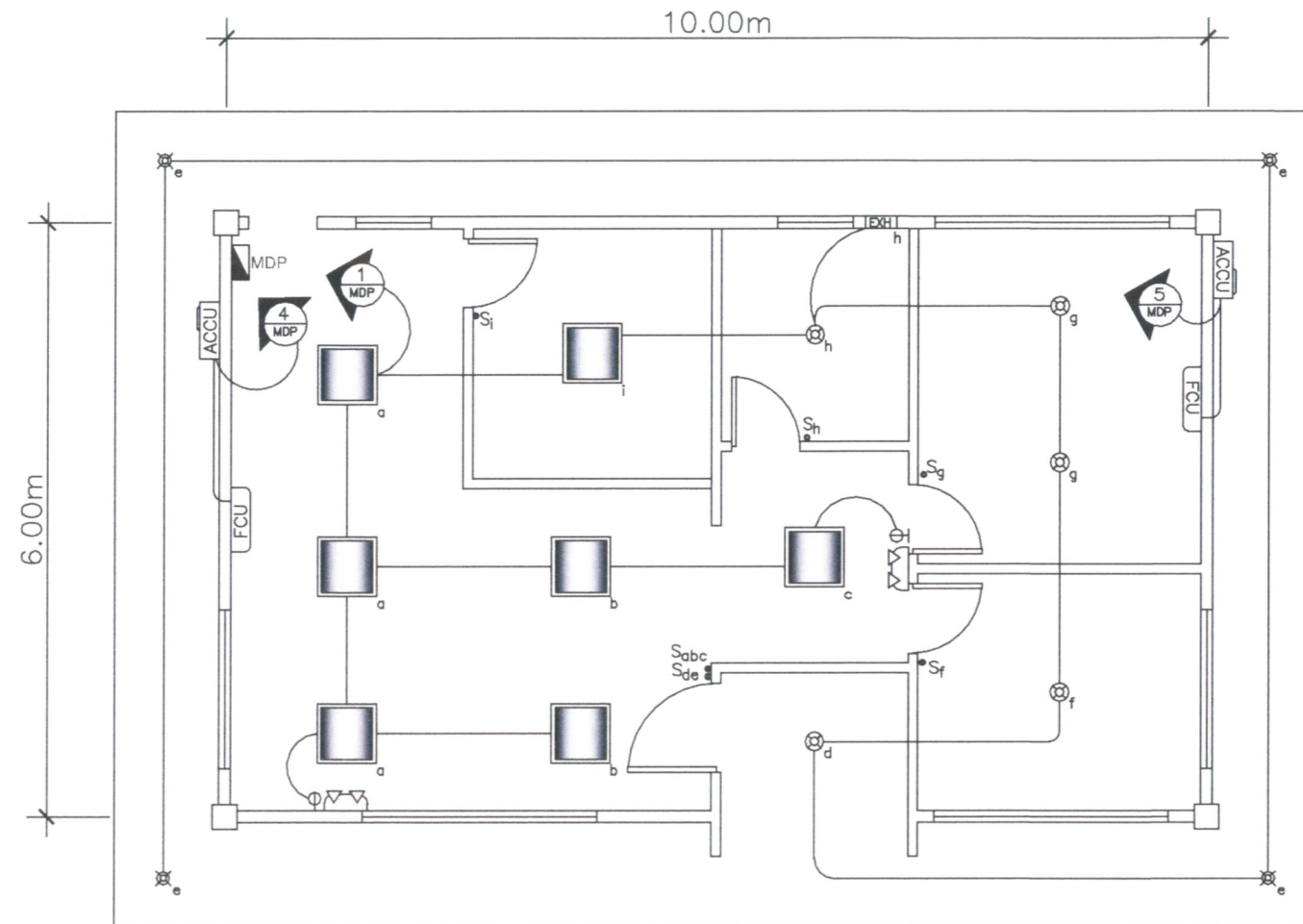
77mm / 3 inches STAINLESS STEEL LETTER

	OWNER	DESIGNER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY: 04/2024	REVISIONS		SHEET NO.
	NATHANIEL T. SERVANDO, Ph.D. ADMINISTRATOR	RODERICK L. DELA CRUZ WO II, INFRA UNIT	ROMEO M. PELAGIO CHIEF, MEIES	REPAIR/REHABILITATION OF PAGASA TUGUEGARAO SYNOPTIC STATION	AS SHOWN	RODERICK L. DELA CRUZ			A6
						CHECKED BY:			
						BRIAN P. BUNGABONG			
				LOCATION: PAGASA, CAGAYAN PROVINCIAL CAPITOL, TUGUEGARAO CITY, CAGAYAN		DATE:			ARCHITECTURAL



## LEGEND:

	SURFACE MOUNTED LED PANEL 600MM x 600MM W/ DRIVER
	VERTICAL DOWNLIGHT FIXTURE SURFACE TYPE 6" W/ 9W LED BULB (3500K COLOR TEMP.)
	VERTICAL DOWNLIGHT FIXTURE RECESSED TYPE 6" (6000K COLOR TEMP.)
	WALL TYPE EXHAUST
	1 GANG 1WAY SWITCH
	2 GANG 1WAY SWITCH
	3 GANG 1WAY SWITCH
	SIMPLEX UNIVERSAL OUTLET
	LED EMERGENCY LIGHT
	CIRCUIT HOME RUN
	MDP
	MAIN DISTRIBUTION PANEL

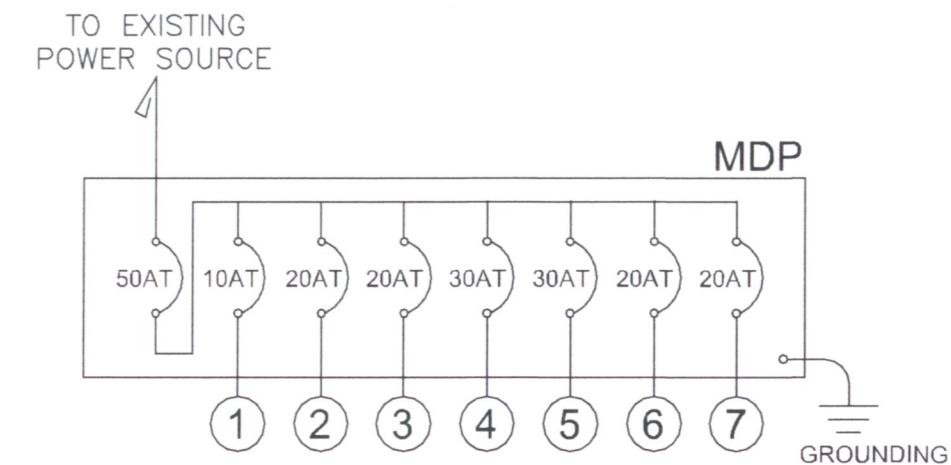


## LOAD SCHEDULE




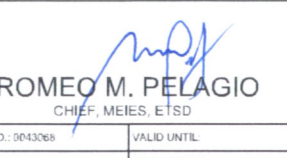

PANEL:	MDP	Main: 50AT CB, 2P, 240VAC, 60HZ, 10KAIC, MINIATURE CIRCUIT BREAKER													
MOUNTING:	RECESSED TYPE	BRANCHES: MINIATURE CIRCUIT BREAKERS, 2 POLES, 240VAC, 60HZ, 6KAIC													
ENCLOSURE:	MINI CB ENCLOSURE	FEEDER: 2-14mm <sup>2</sup> + 1-8.0mm <sup>2</sup> (G) THHN WIRE													
LOCATION:	SYNOPTIC BUILDING	CONDUIT: 32MMØ PVC PIPE													
CKT. NO.	DESCRIPTION	SWITCHES				L.O.	C.O.	I	V	VA	WIRE SIZE (THHN)	PIPE (PVC)	CB RATING		
		S <sub>1</sub>	S <sub>2</sub>	S <sub>3</sub>	S <sub>3W</sub>								AT	P	KAIC
1	LIGHTING OUTLET	4	1	1		16	2	4.35	230	1000	2-2.0mm <sup>2</sup> + 1-2.0mm <sup>2</sup> (G)	20Ø	10	2	6
2	POWER OUTLET						8	6.52	230	1500	2-3.5mm <sup>2</sup> + 1-2.0mm <sup>2</sup> (G)	20Ø	20	2	6
3	POWER OUTLET						8	6.52	230	1500	2-3.5mm <sup>2</sup> + 1-2.0mm <sup>2</sup> (G)	20Ø	20	2	6
4	2HP ACU SPLIT TYPE							12.00	230	2760	2-5.5mm <sup>2</sup> + 1-2.0mm <sup>2</sup> (G)	25Ø	30	2	6
5	1HP ACU SPLIT TYPE							8.00	230	1840	2-5.5mm <sup>2</sup> + 1-2.0mm <sup>2</sup> (G)	25Ø	30	2	6
6	SPARE							6.52	230	1500			20	2	6
7	SPARE							6.52	230	1500			20	2	6
TOTAL		4	1	1	0	16	18	50.43	230	11600	2-14mm <sup>2</sup> + 1-8.0mm <sup>2</sup> (G)	50Ø	50	2	10
I <sub>total</sub> = 50.43A x 70%D.F. = 35.30A															
Feeder Size:															
I <sub>total</sub> = 35.30A + 25%(12A) = 38.30A															
PROVIDE: 2-14mm <sup>2</sup> + 1-8.0mm <sup>2</sup> (G) THHN Wire @32mmØ PVC Pipe															
Circuit Breaker Size:															
I <sub>total</sub> = 50.43A - 12A + 250%(12A) = 53.30A															
PROVIDE: 50AT CB, 10KAIC, 2P, 240VAC, 60HZ, MINI CIRCUIT BREAKER															

## 1 LIGHTING AND ACU LAYOUT

E-1 SCALE 1:75MTS



## MAIN DISTRIBUTION PANEL DETAILS

	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	 ROMEO M. PELAGIO CHIEF, MEIES, ETSD	REPAIR/REHABILITATION OF PAGASA TUGUEGARAO SYNOPTIC STATION	AS SHOWN	 ARIEL N. GALLEGO JR. CHECKED BY:	DATE:		E/1
		LICENSE NO.: 0057298	LICENSE NO.: 0043068	LOCATION: PAGASA, Cagayan Provincial Capitol, Tuguegarao City, Cagayan		DATE:			ELECTRICAL