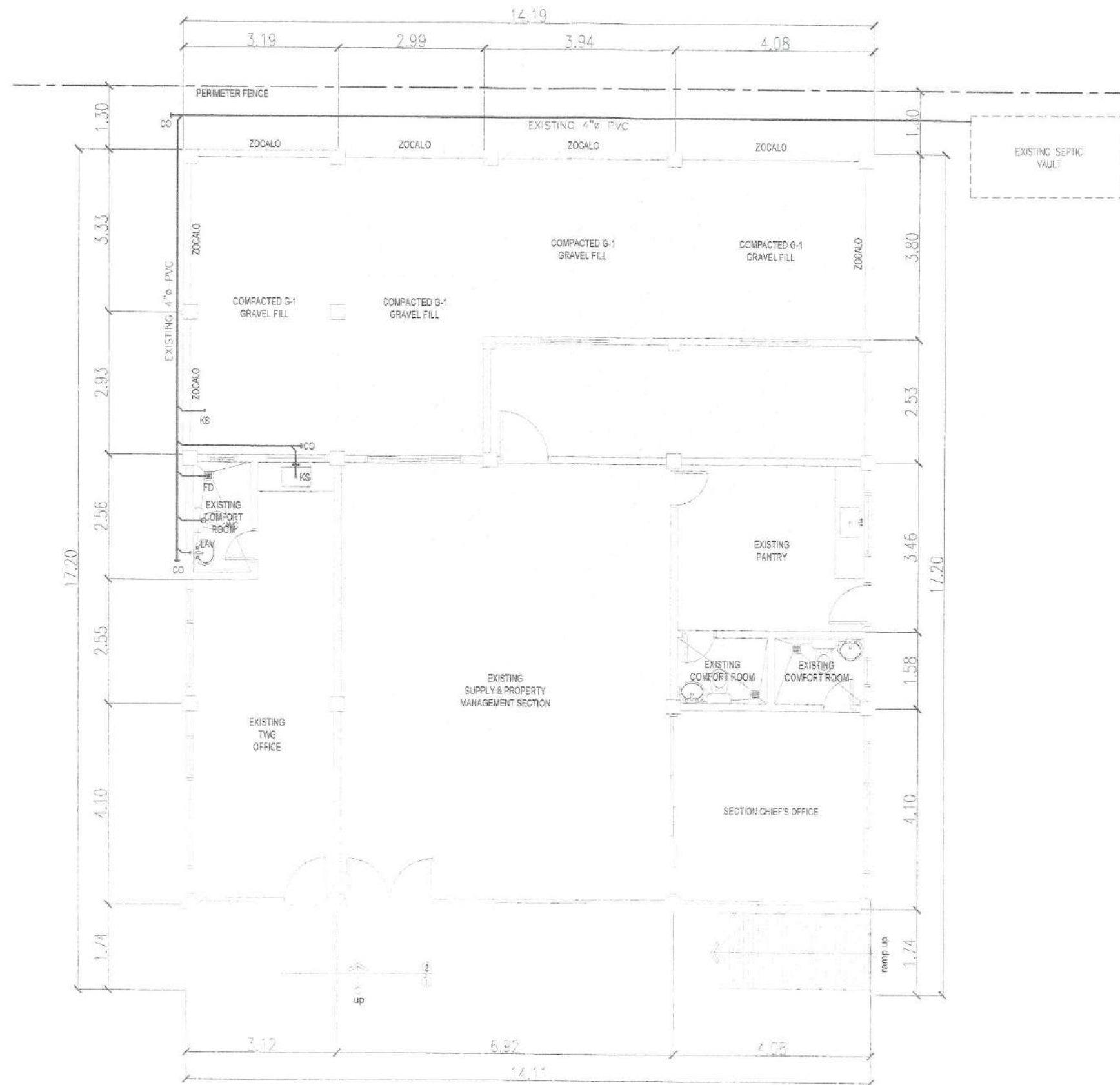
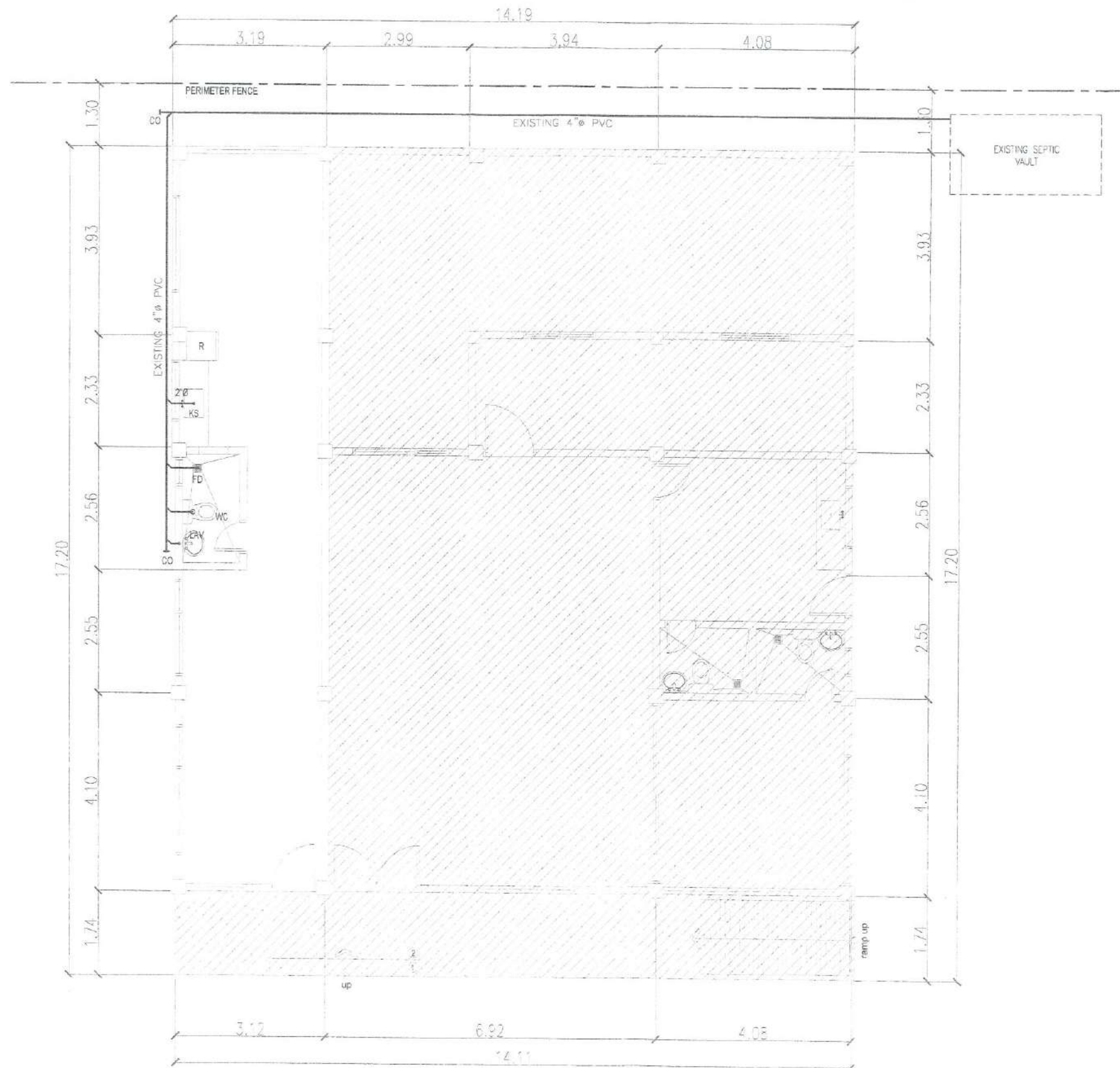




1 EXISTING GROUND FLOOR PLAN
P-1 SCALE: 1:100 MTS.

 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, BARAS, PALO LEYTE	PROJECT TITLE:	SHEET CONTENTS:	PREPARED:	SUBMITTED:	RECOMMENDED FOR APPROVAL:	APPROVED:	SET NO.	SHEET NO.
	REPAIR/MAINTENANCE/IMPROVEMENT OF DPWH BUILDING, TECHNICAL WORKING GROUP (TWG) BUILDING	EXISTING GROUND FLOOR PLAN	 FRANCIS JOSEPH L. BADILLO ENGINEER-II DATE	 LUCAS N. BACSAI CHIEF, MAINTENANCE DIVISION DATE	 MA. MARGARITA C. MUNIA, D.M. ASSISTANT REGIONAL DIRECTOR DATE	 EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR DATE	P 1 5	24 34
	LOCATION: DPWH REGIONAL OFFICE VIII, BARAS, PALO LEYTE							

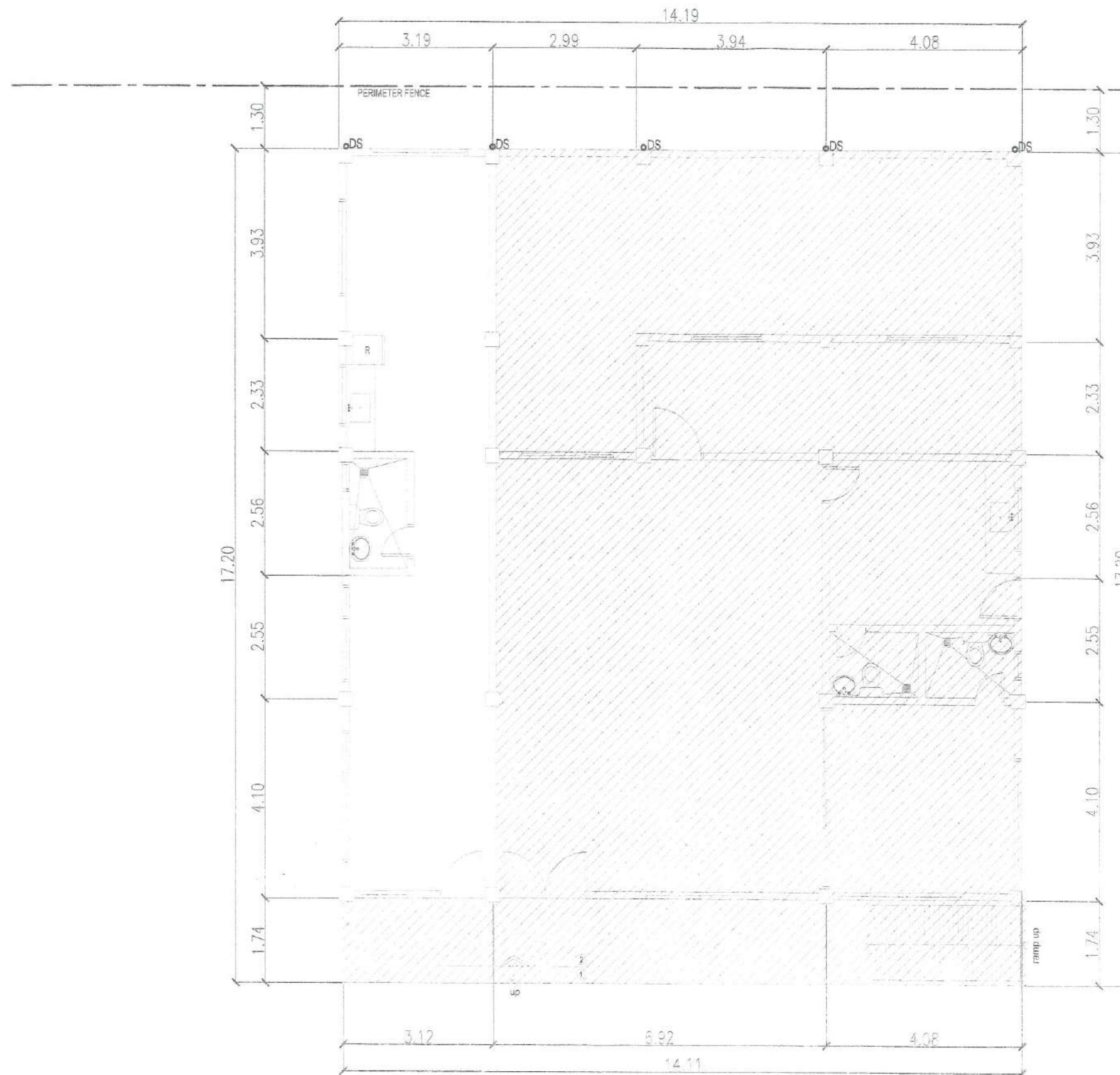


1 EXISTING GROUND FLOOR PLAN
P - 2 SCALE: 1:100 MTS.



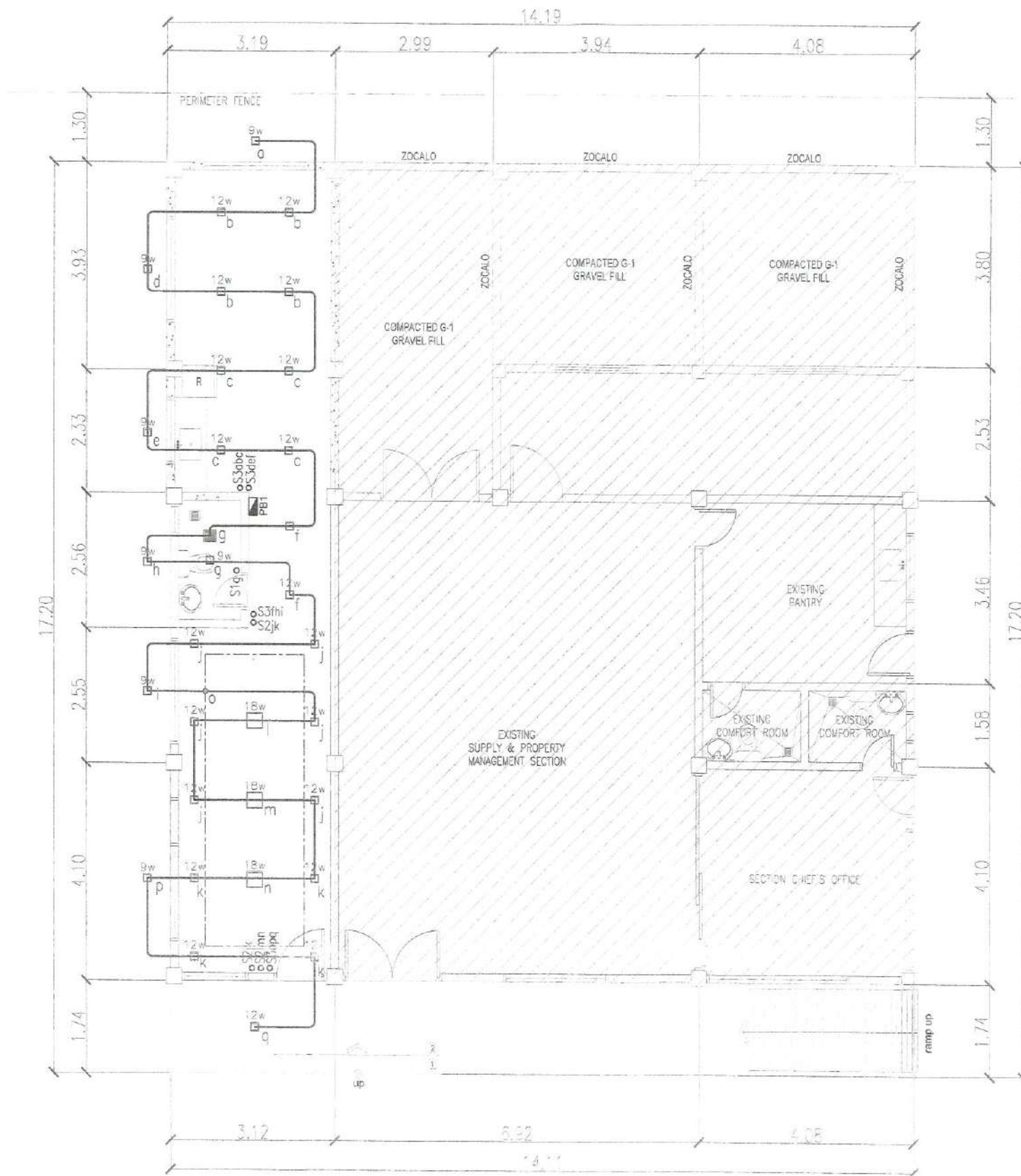
Republic of the Philippines
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
 REGIONAL OFFICE NO. VIII
 GOVERNMENT CENTER, BARAS, PALO LEYTE

PROJECT TITLE:	SHEET CONTENTS:	PREPARED:	SUBMITTED:	RECOMMENDED FOR APPROVAL:	APPROVED:	SET NO.	SHEET NO.
REPAIR/MAINTENANCE/IMPROVEMENT OF DPWH BUILDING, TECHNICAL WORKING GROUP (TWG) BUILDING	EXISTING GROUND FLOOR PLAN	FRANCIS JOSEPH L. BADILLO ENGINEER-II	LUCAS N. BACSA CHIEF, MAINTENANCE DIVISION	MA. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR	EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	P 2 5	25 34
LOCATION: DPWH REGIONAL OFFICE VII, BARAS, PALO LEYTE		DATE	DATE	DATE	DATE		



1 PROPOSED STORM SEWER LAYOUT
P - 5 SCALE: 1:100 MTS.

 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, BARAS, PALO LEYTE	PROJECT TITLE: REPAIR/MAINTENANCE/IMPROVEMENT OF DPWH BUILDING, TECHNICAL WORKING GROUP (TWG) BUILDING LOCATION: DPWH REGIONAL OFFICE VII, BARAS, PALO LEYTE	SHEET CONTENTS: PROPOSED STORM SEWER LAYOUT	PREPARED: FRANCIS JOSEPH L. MADILLAS ENGINEER-III DATE: _____	SUBMITTED: LUCAS N. BACSAI CHIEF, MAINTENANCE DIVISION DATE: _____	RECOMMENDED FOR APPROVAL: MA. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR DATE: _____	APPROVED: EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR DATE: _____	SET NO. P SHEET NO. 26 34
---	---	---	---	--	--	---	--

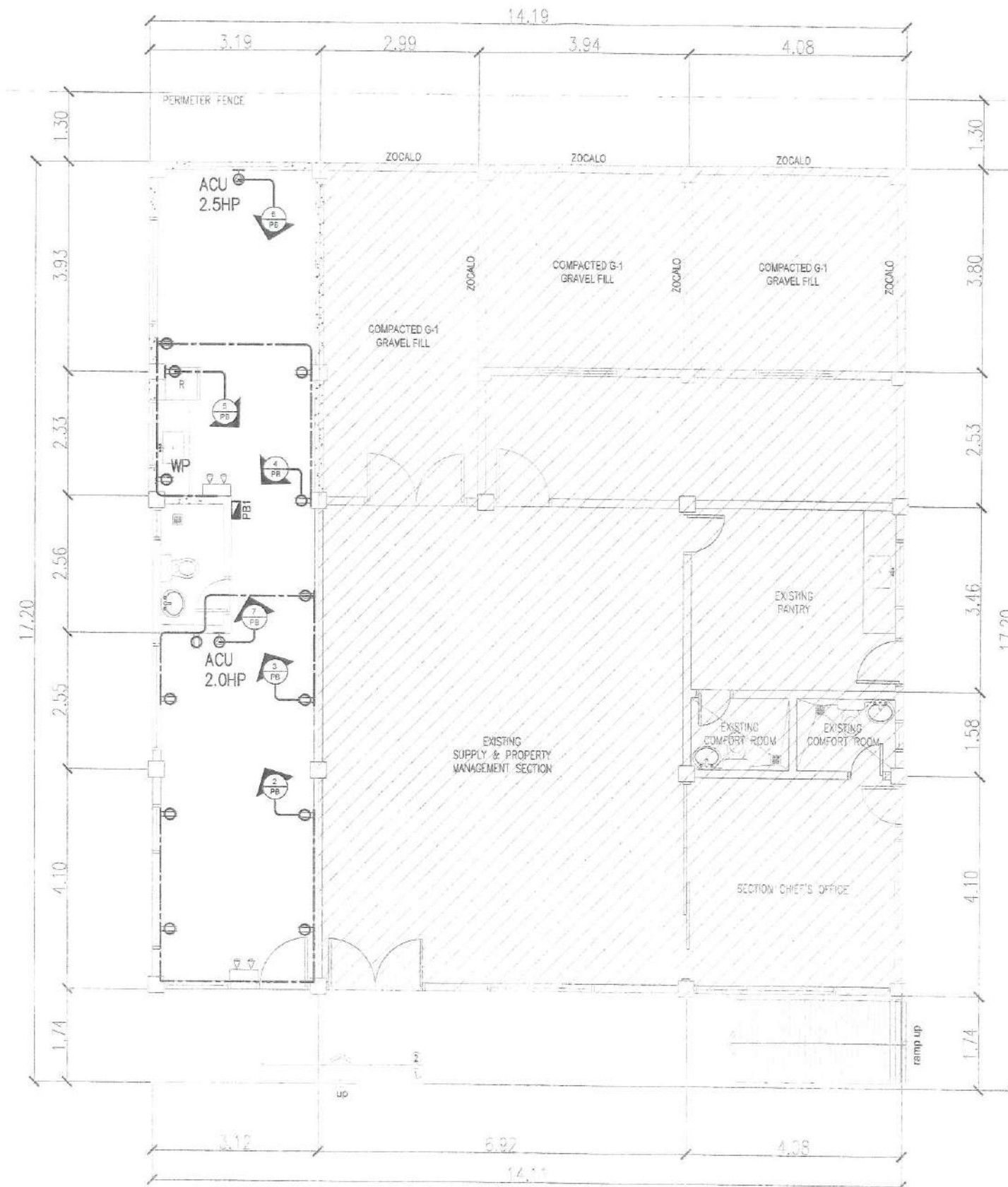


1 GROUND FLOOR LIGHTING LAYOUT
E - 1 SCALE: 1:100 MTS.



Republic of the Philippines
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
 REGIONAL OFFICE NO. VIII
 GOVERNMENT CENTER, BARAS, PALO LEYTE

PROJECT TITLE:	SHEET CONTENTS:	PREPARED:	SUBMITTED:	RECOMMENDED FOR APPROVAL:	APPROVED:	SET NO.	SHEET NO.
REPAIR/MAINTENANCE/IMPROVEMENT OF DPWH BUILDING, TECHNICAL WORKING GROUP (TWG) BUILDING	GROUND FLOOR LIGHTING LAYOUT	ZYNDY Q. SOLIDOR ENGINEER-II DATE	LUCAS N. BACSAL CHIEF, MAINTENANCE DIVISION DATE	MA. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR DATE	EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR DATE	E 1 3	29 34
LOCATION: DPWH REGIONAL OFFICE VII, BARAS, PALO LEYTE							



1 GROUND FLOOR CONVENIENCE LAYOUT
E - 2 SCALE: 1:100 MTS.



Republic of the Philippines
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
 REGIONAL OFFICE NO. VIII
 GOVERNMENT CENTER, BARAS, PALO LEYTE

PROJECT TITLE:	SHEET CONTENTS:	PREPARED:	SUBMITTED:	RECOMMENDED FOR APPROVAL:	APPROVED:	SET NO.	SHEET NO.
REPAIR/MAINTENANCE/IMPROVEMENT OF DPWH BUILDING, TECHNICAL WORKING GROUP (TWG) BUILDING	GROUND FLOOR CONVENIENCE LAYOUT	 ZYNAL Q. SOLIDOR ENGINEER-II	 LUCAS N. BACSAI CHIEF, MAINTENANCE DIVISION	 MA. MARGARITA S. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR	 EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	E 2 3	30 34
LOCATION: DPWH REGIONAL OFFICE VII, BARAS, PALO LEYTE		DATE:	DATE:	DATE:	DATE:		

SCHEDULE OF LOADS

CIRCUIT NUMBER	DESCRIPTION	NUMBER OF OUTLET	SWITCHES			WATTS	VOLTS	AMPERES	CIRCUIT BREAKER	CONDUCTOR SIZE	REMARKS
			S1	S2	S3						
1	LIGHTING OUTLET	30	1	1	5	1,500	230	6.52	15 AT	2-2.0mm ² THWN	20mmØ CONDUIT
2	CONVENIENCE OUTLET	5				1,620	230	7.04	20 AT	2-3.5mm ² THWN	20mmØ CONDUIT
3	CONVENIENCE OUTLET	4				1,440	230	6.26	20 AT	2-3.5mm ² THWN	20mmØ CONDUIT
4	CONVENIENCE OUTLET	5				1,620	230	7.04	20 AT	2-3.5mm ² THWN	20mmØ CONDUIT
5	REFRIGERATOR	1				1,000	230	4.34	20 AT	2-3.5mm ² THWN	20mmØ CONDUIT
6	ACU OUTLET	1				1,492	230	6.48	30 AT	2-5.5mm ² THWN	20mmØ CONDUIT
7	ACU OUTLET	1				1,492	230	6.48	30 AT	2-5.5mm ² THWN	20mmØ CONDUIT
8	SPARE										
TOTAL	L.O. - 30 C.O. - 17	47	1	1	5	10,164		48.26	100 AT	2-30mm ² THWN	40mmØ RSC PIPE

COMPUTATION: @ 100% DEMAND FACTOR

$$I = 10,164 \text{ w} / 230 \times 100\% \\ = 48.26 \text{ A}$$

WIRE : USE 2-30mm² THHN CU. WIRE + 1-8.0mm² TW (G) WIRE IN 40mmØ RSC PIPE

BREAKER : 100AF, 2 POLE, 230V, 100AT CIRCUIT BREAKER

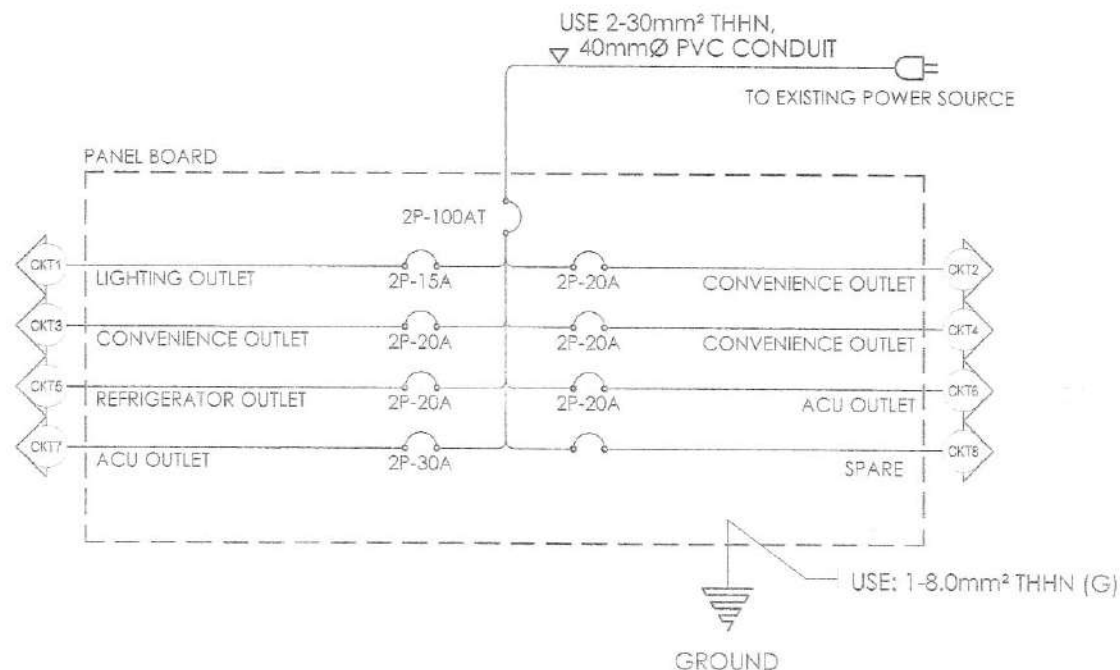
GENERAL NOTES :

- ALL ELECTRICAL WORKS HEREIN SHALL BE EXECUTED ACCORDING TO THE REQUIREMENTS OF THE NATIONAL BUILDING CODE OF THE PHILIPPINES, THE PHILIPPINE ELECTRICAL CODE, THE RULES AND REGULATION OF QUEZON CITY, THE REQUIREMENTS OF THE LOCAL POWER COMPANY AND LOCAL TELEPHONE COMPANY.
- ALL ELECTRICAL WORKS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER.
- ALL METALLIC CONDUITS, CABINETS, METAL FRAMES OF EQUIPMENT AND LIGHTING FIXTURES SHALL BE PROPERLY GROUNDED.
- ALL PANELBOARD SHALL BE PROVIDED WITH EQUIPMENT GROUNDING TERMINAL BUS
- ALL MATERIALS TO BE USED SHALL BE NEW AND INSTALLED IN APPLICATIONS FOR WHICH THEY ARE INTENDED
- ALL BRANCH CIRCUITS AND FEEDERS SHALL BE INSTALLED AS INDICATED ON PLANS
- MINIMUM SIZE OF WIRE FOR POWER SHALL BE 2.0 SQ mm (#14AWG)
- MOUNTING HEIGHTS OF DEVICES SHALL BE AS DETAILED IN THE PLANS OR AS DETAILED BY THE ARCHITECT AND/OR AS FOLLOWS:

LOCAL SWITCH	----	1400mm ABOVE FLOOR FINISH LEVEL
RECEPTACLES	----	300mm ABOVE FLOOR FINISH LEVEL FOR SECOND FLOOR AND ABOVE
	----	1400mm ABOVE FLOOR FINISH LEVEL FOR GROUND FLOOR
- ALL LIGHTING FIXTURE TRANSFORMERS SHALL BE MOUNTED ON CONCRETE OR NON-COMBUSTIBLE SURFACE ONLY, OTHERWISE USE HANGER RODS, AND ANGLE BARS TO SUPPORT THEM. TRANSFORMER SHALL NOT BE MOUNTED DIRECTLY ON DROP-CEILINGS
- ALL PULLBOXES, SPLICEBOXES AND AUXILIARY GUTTERS SHALL BE GA#16
- BOXES SHALL BE MADE OF CODE GAUGE STEEL WITH ZINC CHROMATE PROTECTION.
- ALL RECEPTACLE OUTLETS SHALL BE PROPERLY GROUNDING TYPE.
- ALL MOLDED CASE CIRCUIT BREAKER FOR MOTORS SHALL BE INDUSTRIAL TYPE.
- EXACT LOCATION AND RATING OF ALL EQUIPMENT TO BE SUPPLIED BY OTHER TRADES SHALL BE COORDINATED WITH THEIR RESPECTIVE TRADE DRAWINGS/PLANS PRIOR TO IMPLEMENTATION.
- COMMUNICATION AND DATA CIRCUIT RUN SHALL BE SEPARATED FROM POWER CIRCUIT RUN.
- ADDITIONAL MATERIAL SPECIFICATIONS ASIDE FROM THOSE MENTIONED ELSEWHERE SHALL BE AS FOLLOWS OR APPROVED EQUAL.
 - ELECTRICAL CONDUITS
 - IMC
 - EMT
 - PVC
 - POWER WIRE & CABLES
 - TELEPHONE & CABLE TV CABLES
 - ELECTRICAL PANEL
 - ENCLOSURE & ELEMENTS
 - BREAKERS, COMMON INTERNAL TRIP
 - WIRING DEVICES
 - LAMPS, LED
 - LIGHT FIXTURE HOUSING
 - LAMP HOLDERS, SPRING LOADED TYPE
 - ELECTRICAL BOXES, DEEP TYPE GA#16

LEGEND

	6"Ø RECESSED CEILING ROUND 20W LED DOWN LIGHT (DAYLIGHT)
	LED CIRCULAR LIGHT 20W (DAYLIGHT/ WARM WHITE)
	CEILING MOUNTED EXHAUST
	WALL MOUNTED EXHAUST
	DUPLEX CONV. OUTLET
	COUNTER HEIGHT DUPLEX OUTLET
	WEATHER PROOF OUTLET
	AIR CONDITIONED UNIT OUTLET
	REFRIGERATOR OUTLET
	CIRCUIT NUMBER/HOME RUN
	PANEL BOARD
	CIRCUIT LINE



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
GOVERNMENT CENTER, BARAS, PALO LEYTE

PROJECT TITLE:
REPAIR/MAINTENANCE/IMPROVEMENT OF
DPWH BUILDING,
TECHNICAL WORKING GROUP (TWG) BUILDING
LOCATION: DPWH REGIONAL OFFICE VII BARAS, PALO LEYTE

SHEET CONTENTS:
SCHEDULE OF LOADS
RISER DIAGRAM
GENERAL NOTES
LEGEND

PREPARED:
ZYNAL Q. SOLIDOR
ENGINEER-III
DATE: _____

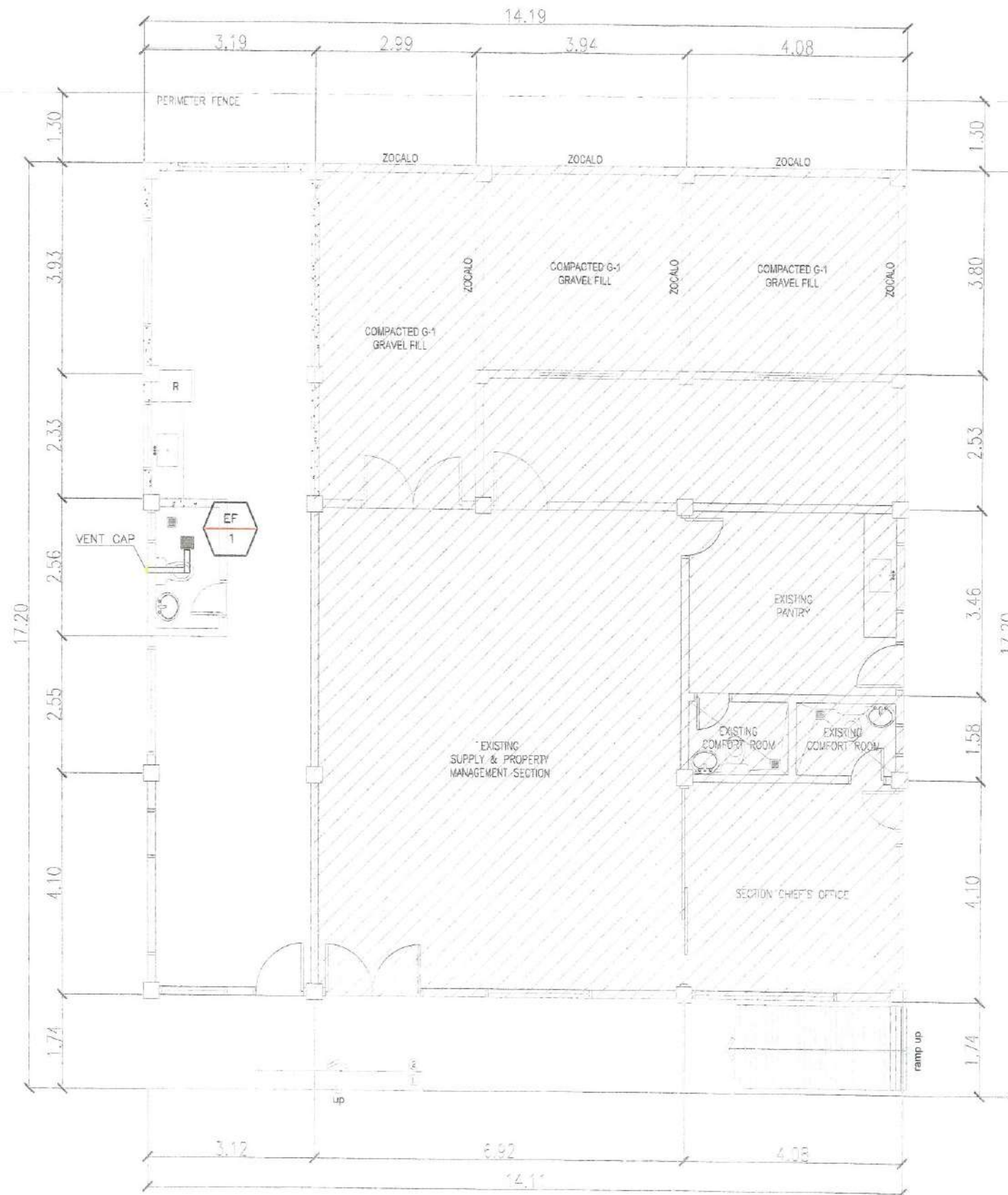
SUBMITTED:
LUCAS N. BACSAI
CHIEF, MAINTENANCE DIVISION
DATE: _____

RECOMMENDED FOR APPROVAL:
M.A. MARGARITA C. JUNIA, D.M.
ASSISTANT REGIONAL DIRECTOR
DATE: _____

APPROVED:
EDGAR B. TABACON, CESO IV
REGIONAL DIRECTOR
DATE: _____

SET NO. 3 3
SHEET NO. 31 34



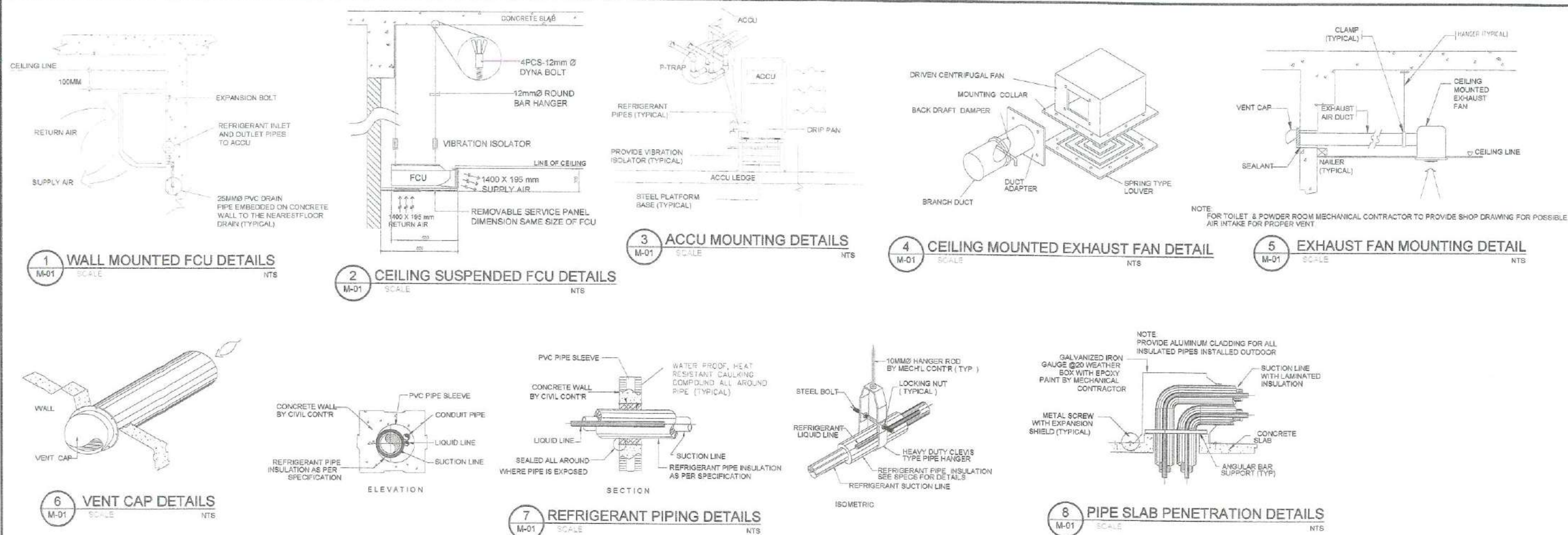


1 GROUND FLOOR LIGHTING LAYOUT
E - 1 SCALE: 1:100 MTS.



Republic of the Philippines
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
 REGIONAL OFFICE NO. VIII
 GOVERNMENT CENTER, BARAS, PALO LEYTE

PROJECT TITLE:	SHEET CONTENTS:	PREPARED:	SUBMITTED:	RECOMMENDED FOR APPROVAL:	APPROVED:	SET NO.	SHEET NO.
REPAIR/MAINTENANCE/IMPROVEMENT OF DPWH BUILDING, TECHNICAL WORKING GROUP (TWG) BUILDING	GROUND FLOOR LIGHTING LAYOUT	ZYNEL Q. SOLIDOR ENGINEER-II	LUCAS N. BACSA CHIEF, MAINTENANCE DIVISION	MA. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR	EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	M 2 3	33 34
LOCATION: DPWH REGIONAL OFFICE VIII, BARAS, PALO LEYTE		DATE	DATE	DATE	DATE		



EQUIPMENT SCHEDULE SPLIT TYPE AIR CONDITIONER UNIT

UNIT DESIGNATION	QTY.	COOLING CAPACITY		AIRFLOW CAPACITY LPS / CFM	TYPE	LOCATION/ AREA SERVED	PIPING CONNECTION GAS/LIQUID(ØMM)	POWER INPUT KW	ELECTRICAL DATA			REMARKS
		BTU/HR	TR						VOLTS	PHASE	HERTZ	
FCU1/ACCU1	1	18,000	1.5		WALL MOUNTED	TWG			230	1	60	ALL UNITS SHALL BE BRAND NEW, & COMPLETE WITH STANDARD ACCESSORIES, READY FOR SERVICE.
FCU2/ACCU2	1	21,300	1.775		WALL MOUNTED	PROPOSED TWG EXTENSION OFFICE			230	1	60	

EQUIPMENT SCHEDULE VENTILATING FANS

UNIT DESIGNATION	QTY.	AIRFLOW CAPACITY LPS (CFM)	TYPE	LOCATION/ AREA SERVED	TOTAL STATIC PRESSURE (Pa)	POWER INPUT KW	ELECTRICAL DATA			REMARKS
							VOLTS	PHASE	HERTZ	
EF-1	6	25(53)	CEILING CASSETTE	AS SHOWN	100	0.03	230	1	60	UNITS SHALL BE BRAND NEW, & COMPLETE WITH STANDARD ACCESSORIES, READY FOR SERVICE.

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, BARAS PALO, LEYTE	PROJECT TITLE:	SHEET CONTENTS:	PREPARED:	SUBMITTED:	RECOMMENDED FOR APPROVAL:	APPROVED:	SET NO.	SHEET NO.
	REPAIR/MAINTENANCE/IMPROVEMENT OF DPWH BUILDING, TECHNICAL WORKING GROUP (TWG) BUILDING	GROUND FLOOR LIGHTING LAYOUT	 ZYMEIL Q. SOLIDOR ENGINEER-II	 LUCAS N. BACSAL CHIEF, MAINTENANCE DIVISION	 M.A. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR	 EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	3	34
	LOCATION: DPWH REGIONAL OFFICE VII, BARAS PALO, LEYTE		DATE	DATE	DATE	DATE		