

24ICD411 (Road)



Republic of the Philippines
Department of Public Works and Highways
REGIONAL OFFICE NO. VIII
Government Center, Baras, Palo, Leyte

C.Y. 2025 PROJECT
PLAN FOR
**REPAIR/MAINTENANCE/IMPROVEMENT OF
DPWH BUILDING**
TECHNICAL WORKING GROUP (TWG) BUILDING

DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS, REGIONAL OFFICE VIII,
BARAS, PALO, LEYTE

11°10'22.8"N 125°00'35.4"E
11.173008, 125.009830

SUBMITTED:

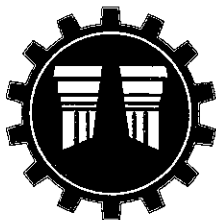

LUCAS N. BACSAL
CHIEF, MAINTENANCE DIVISION
DATE: 

RECOMMENDED:


MA. MARGARITA C. JUNIA, D.M.
ASSISTANT REGIONAL DIRECTOR
DATE: 

APPROVED:


EDGAR B. TABACON, RESOR
REGIONAL DIRECTOR
DATE: 



Republic of the Philippines
Department of Public Works and Highways
REGIONAL OFFICE NO. VIII
Government Center, Baras, Palo, Leyte

C.Y. 2025 PROJECT
PLAN FOR
**REPAIR/MAINTENANCE/IMPROVEMENT OF
DPWH BUILDING**
TECHNICAL WORKING GROUP (TWG) BUILDING

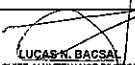
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS, REGIONAL OFFICE VIII,
BARAS, PALO, LEYTE

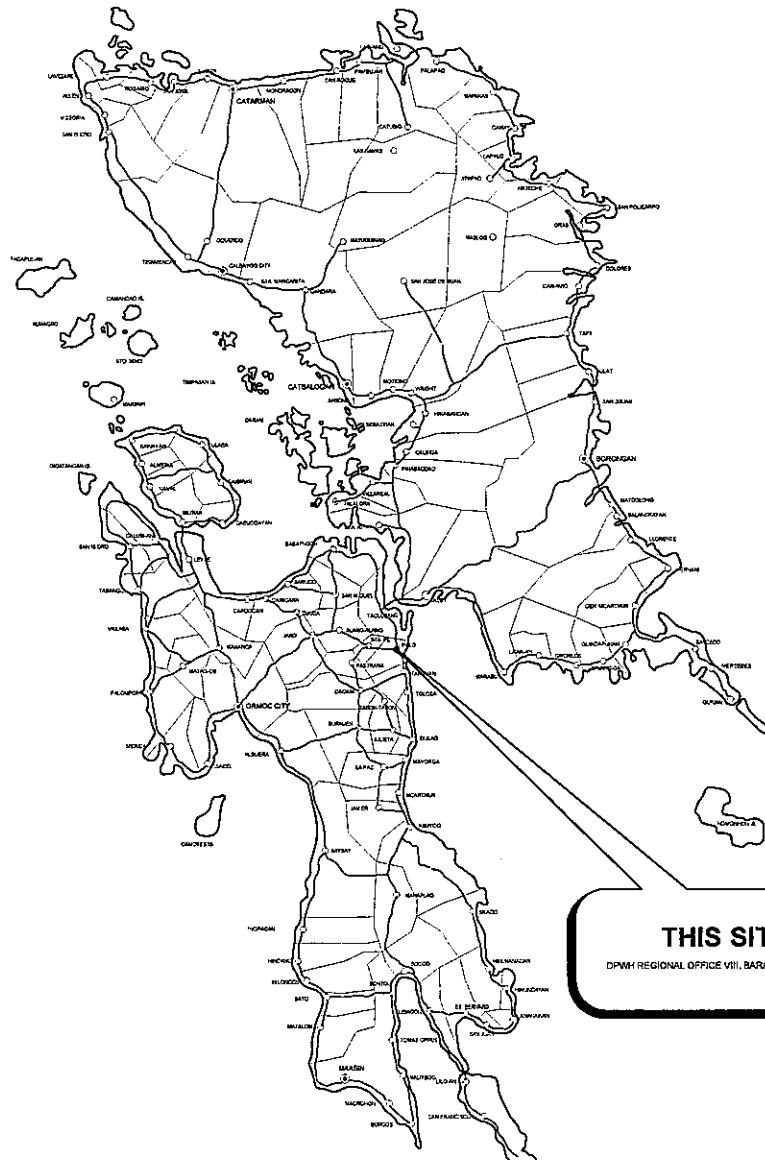
11°10'22.8"N 125°00'35.4"E
11.173008, 125.009830

SPECIFICATION REFERENCE:

DPWH STANDARD SPECIFICATIONS VOLUME III 1995, BUILDINGS, PORTS & HARBORS,
FLOOD CONTROL & DRAINAGE STRUCTURES & WATER SUPPLY SYSTEM.

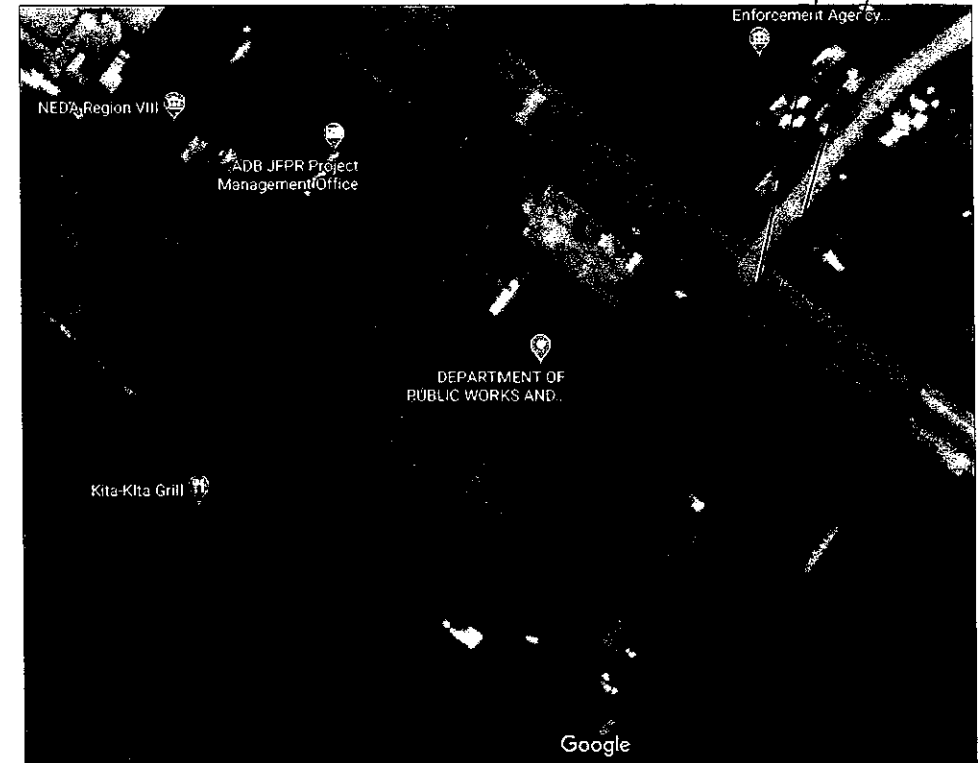
DPWH STANDARD SPECIFICATIONS 2013 VOLUME II, HIGHWAYS, BRIDGES AND AIRPORTS.

 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: GENERAL COVER PAGE	PREPARED:  NOEL B. BALINA ARCHITECT-II DATE: _____	SUBMITTED:  LUCAS N. BACSAL 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. OCP 13	SHEET NO. 1 34
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THIS SITE

DPWH REGIONAL OFFICE VII, BARAS, PALO, LEYTE



THIS SITE

DPWH REGIONAL OFFICE VII, BARAS, PALO, LEYTE

1 LOCATION MAP
GCP-2 DRAWN NOT TO SCALE

2 VICINITY MAP
GCP-2 DRAWN NOT TO SCALE



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:
**LOCATION MAP
VICINITY MAP**

PREPARED:
NOEL B. BALINA
ARCHITECT - II
DATE:

SUBMITTED:
LUCAS N. BACSA
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. SHEET NO.
GCP 2 34



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**
SUPPLY & PROPERTY MANAGEMENT SECTION (PHASE-II)

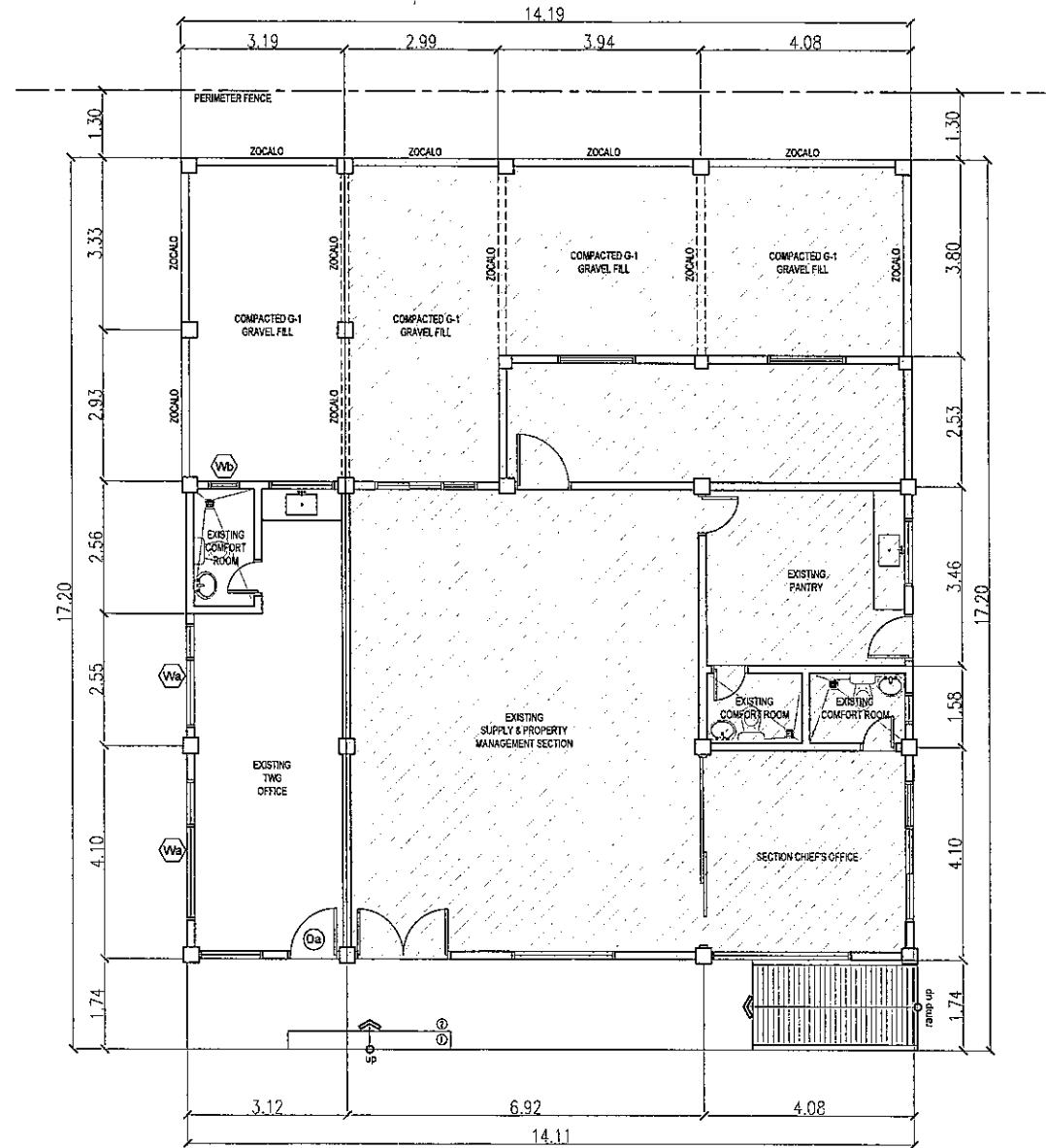
LOCATION : DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS, REGIONAL
OFFICE VIII, BARAS, PALO, LEYTE

SUMMARY OF QUANTITIES:

Item No.	Description	Unit	Quantity
Part B	OTHER GENERAL REQUIREMENTS, DPWH Standard Specification for Public Works Structures (Vol. III)		
8.5 (1)	Project Billboard/Signboard	Each	2.00
8.7 (1)	Occupational Safety and Health	L.S.	1.00
8.9 (1)	Mobilization / Demobilization	L.S.	1.00
8.24	General Scaffolding, Shoring and Netting	L.S.	1.00
Part C	EARTHWORK - DPWH Standard Specification for Public Works Structures (Vol. III), Division I - General		
801 (1)	Removal of Structures and Obstruction	L.S.	1.00
803 (1) a	Structure Excavation, Common Soil	Cu.M	2.60
804 (1) a	Embankment, from Roadway/Structure Excavation, Common Soil	Cu.M	1.37
804 (2) a	Embankment, from Borrow, Common Soil	Cu.M	7.30
804 (7)	Gravel Fill	Cu.M	0.60
Part D	REINFORCED CONCRETE - DPWH Standard Specification for Public Works Structures (Vol. III), Division I - General		
900 (1) h	Structural Concrete (Class A, 14 Days)	Cu.M	1.80
902 (1) a1	Reinforcing Steel (Deformed), Grade 40	Kg.	148.34
903 (2)	Formworks and Falseworks (for one-storey building)	Sq.M.	19.00
PART E	FINISHINGS & OTHER CIVIL WORKS - DPWH Standard Specification for Public Works Structures (Vol. III), Division II - Buildings		
1001	Storm Drainage and Sewerage System		
1001 (9)	Storm Drainage and Downspout	L.S.	1.00
1002	Plumbing Works		
1002 (4)	Plumbing Fixtures	L.S.	1.00
1002 (24)	Cold Water Lines	L.S.	1.00
1003	Carpentry and Joinery Works		
1003 (1) a1	Ceiling 4.5mm Thk. Metal Frame Fiber Cement Board	Sq.M.	67.00
1003 (11) a1	Fascia Board 19mm thk. Fiber Cement Board	M.	33.60
1003 (17)	Carpentry and Joinery Works	L.S.	1.00
1004	Hardware		
1004 (2)	Finishing Hardware	L.S.	1.00
1008	Aluminum Glass Windows		
1008 (1) a	Aluminum Glass Windows, Sliding Type	Sq.M.	7.65

Item No.	Description	Unit	Quantity
1008 (1) c	Aluminum Glass Windows, Awning Type	Sq.M.	1.56
1013	Corrugated Metal Roofing		
1013 (2) b	Fabricated Metal Roofing Accessory, Ga 26 (0.551mm) Flashings	Ln. m.	18.00
1013 (2) c	Fabricated Metal Roofing Accessory, Ga 24 (0.701mm) Gutters	Ln. m.	41.00
1013 (4)	Roof Ventilators	Each	3.00
1018	Ceramic/Granite Tiles		
1018 (1)	Glazed Tile and Trims	Sq.M.	64.87
1018 (2)	Unglazed Tiles	Sq.M.	3.22
1018 (3)	Granite Tiles	Sq.M.	2.88
1027	Cement Plaster Finish		
1027 (1)	Cement Plaster Finish	Sq.M.	112.00
1032	Painting, Varnishing and other Related Works		
1032 (1) a	Painting Works Masonry/Concrete	Sq.M.	399.91
1032 (1) b	Painting Works, Wood	Sq.M.	90.00
1032 (1) c	Painting Works, Steel	Sq.M.	108.57
1043	PVC Doors and Frames		
1043 (1)	PVC Doors and Frames	Sq.M.	1.26
1046	Masonry Works		
1046 (2) a1	CHB Non Load Bearing (Including Reinforcing Steel), 100 mm	Sq.M.	14.40
1046 (2) a2	CHB Non Load Bearing (Including Reinforcing Steel), 150 mm	Sq.M.	44.73
1047 (8) a	Structural Steel, Trusses		
	Structural Steel, Trusses	Kg.	261.62
PART F	ELECTRICAL - DPWH Standard Specification for Public Works Structures (Vol. III), Division II - Buildings		
1100 (10)	Conduits, Boxes and Fittings, (Conduit Works/Conduit Rough-In)	L.S.	1.00
1101 (33)	Wires and Wiring Devices	L.S.	1.00
1102 (1)	Panelboard with Main & Branch Breakers	L.S.	1.00
1103 (1)	Lighting Fixtures	L.S.	1.00
1109 (1)	Grounding System	L.S.	1.00
PART G	MECHANICAL - DPWH Standard Specification for Public Works Structures (Vol. III), Division II - Buildings		
1200	Air Conditioning and Ventilation System		
1200 (13) a	Air Conditioning System, Package/Split Type	L.S.	1.00

	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 LOCATION: DPWH REGIONAL OFFICE VIII, BARAS, PALO, LEYTE	SUMMARY OF QUANTITIES	NOEL B. BALINA ARCHITECT - II DATE:	LUCAS N. BACRAL CHIEF, MAINTENANCE DIVISION DATE:	MA. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR DATE:	EDGAR B. TABACON, CES, IV REGIONAL DIRECTOR DATE:	GCP 3 3	3 34



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



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

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

SHEET CONTENTS:
EXISTING GROUND FLOOR PLAN

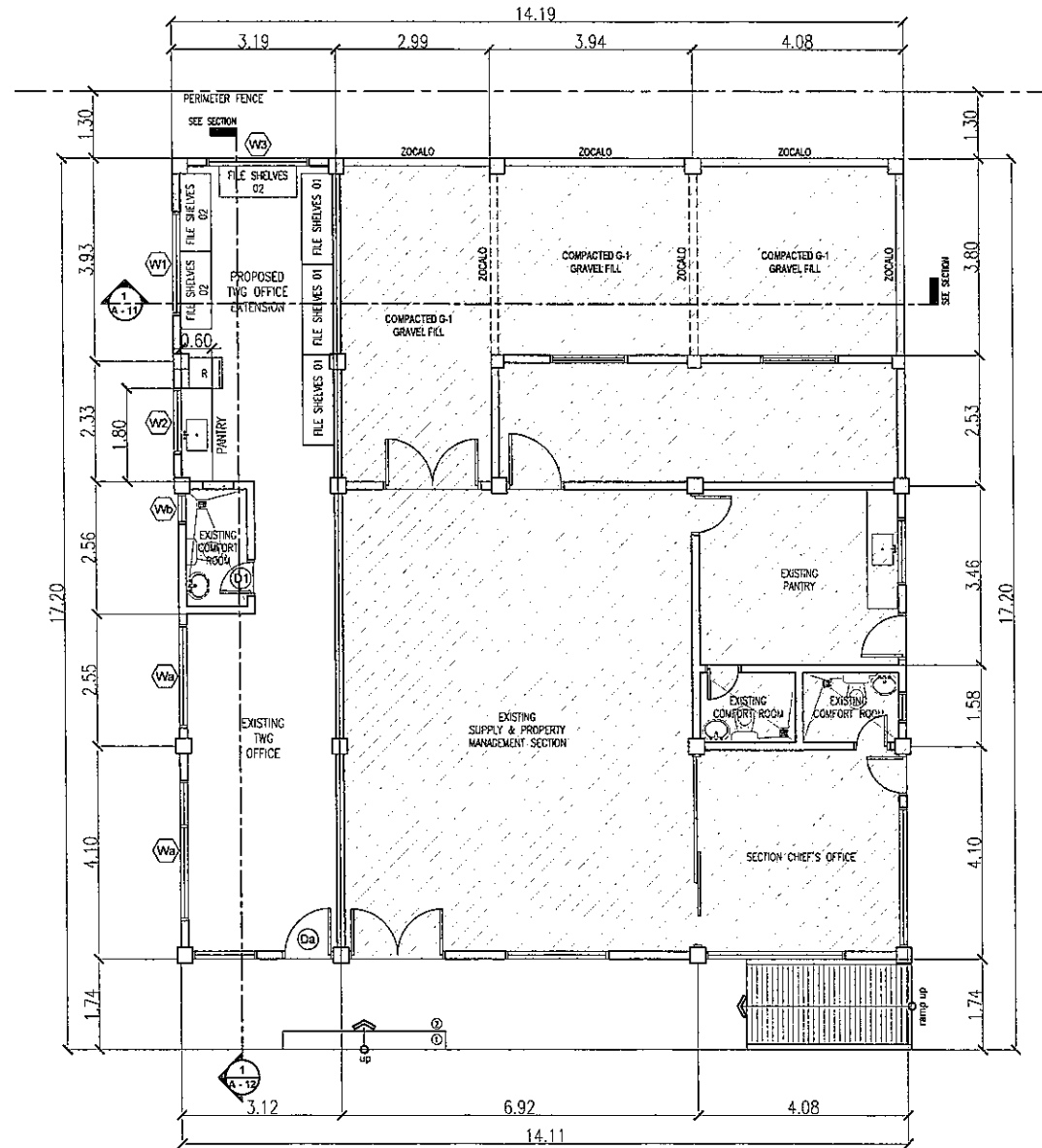
PREPARED:
NOEL B. BALISA
ARCHITECT-II
DATE:

SUBMITTED:
LUCAS N. BACSAU
CHIEF, MAINTENANCE DIVISION
DATE:

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

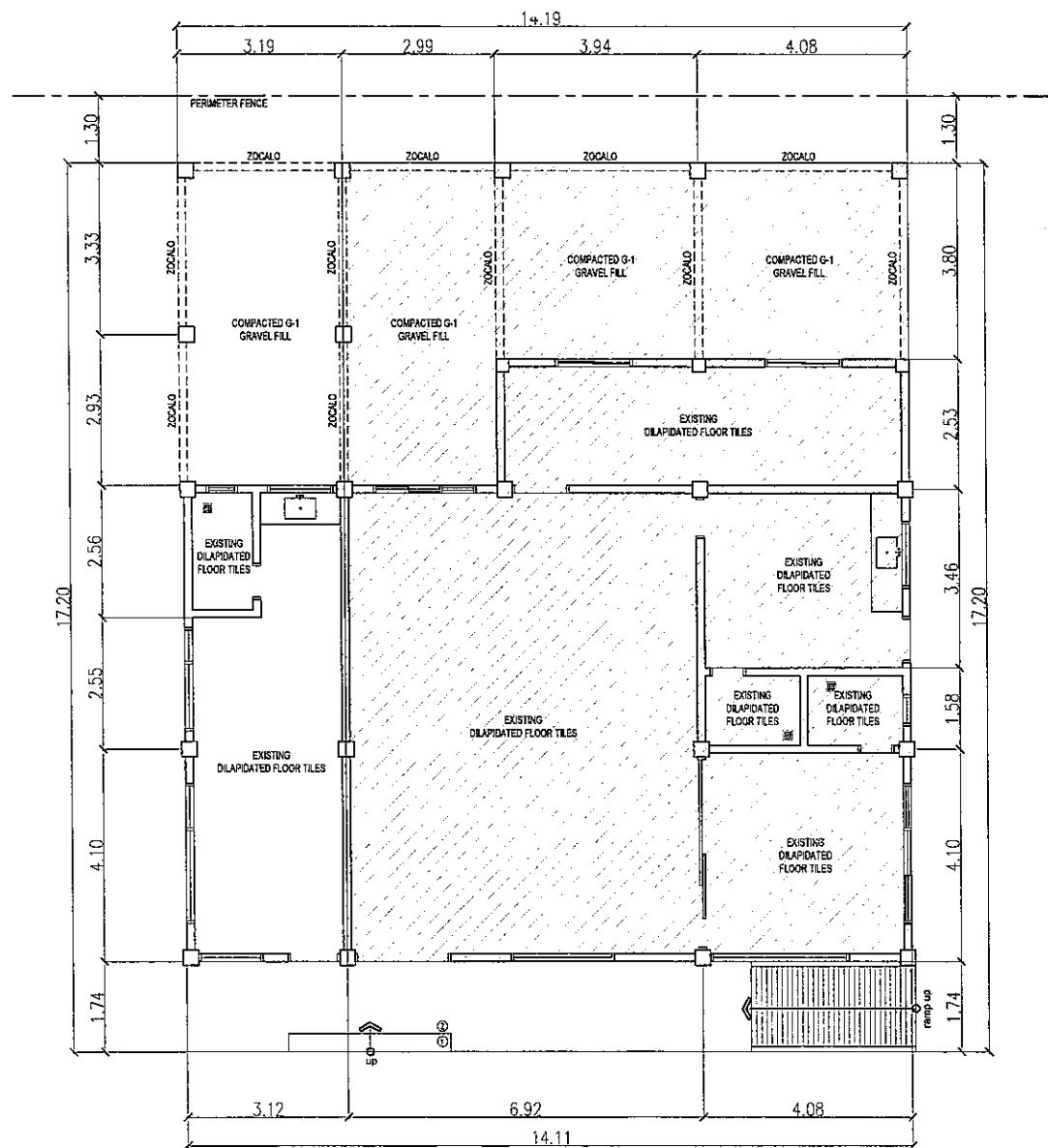
APPROVED:
EDGAR B. TABACON, CESO IV
REGIONAL DIRECTOR
DATE:

SET NO. SHEET NO.
A 4
1 17 34



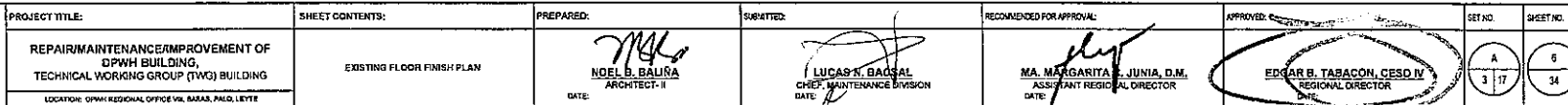
1 PROPOSED GROUND FLOOR PLAN
A-2 SCALE: 1:100 MTS.

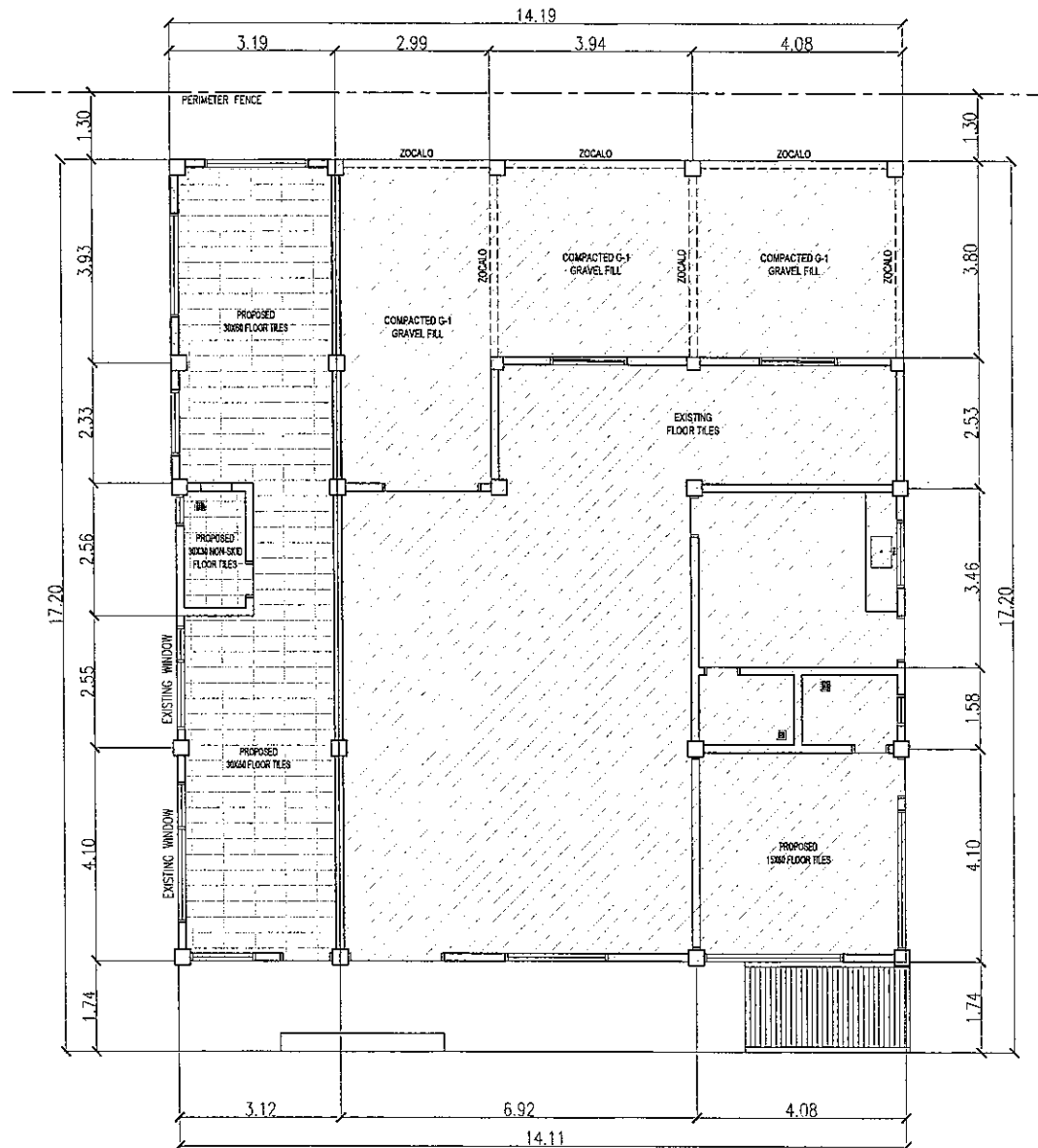
 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, BIRAS, PALO LEYTE	PROJECT TITLE: REPAIR/MAINTENANCE/IMPROVEMENT OF DPWH BUILDING, TECHNICAL WORKING GROUP (TWG) BUILDING LOCATION: DPWH REGIONAL OFFICE VAL BARAS, PALO LEYTE	SHEET CONTENTS: PROPOSED GROUND FLOOR PLAN	PREPARED: NOEL B. BALINA ARCHITECT-II DATE:	SUBMITTED: LUCAS N. BACSON 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:	SHEET NO. A 2 17 SHEET NO. 5 34
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LEGEND:

 - NOT PART OF SCOPE OF WORK





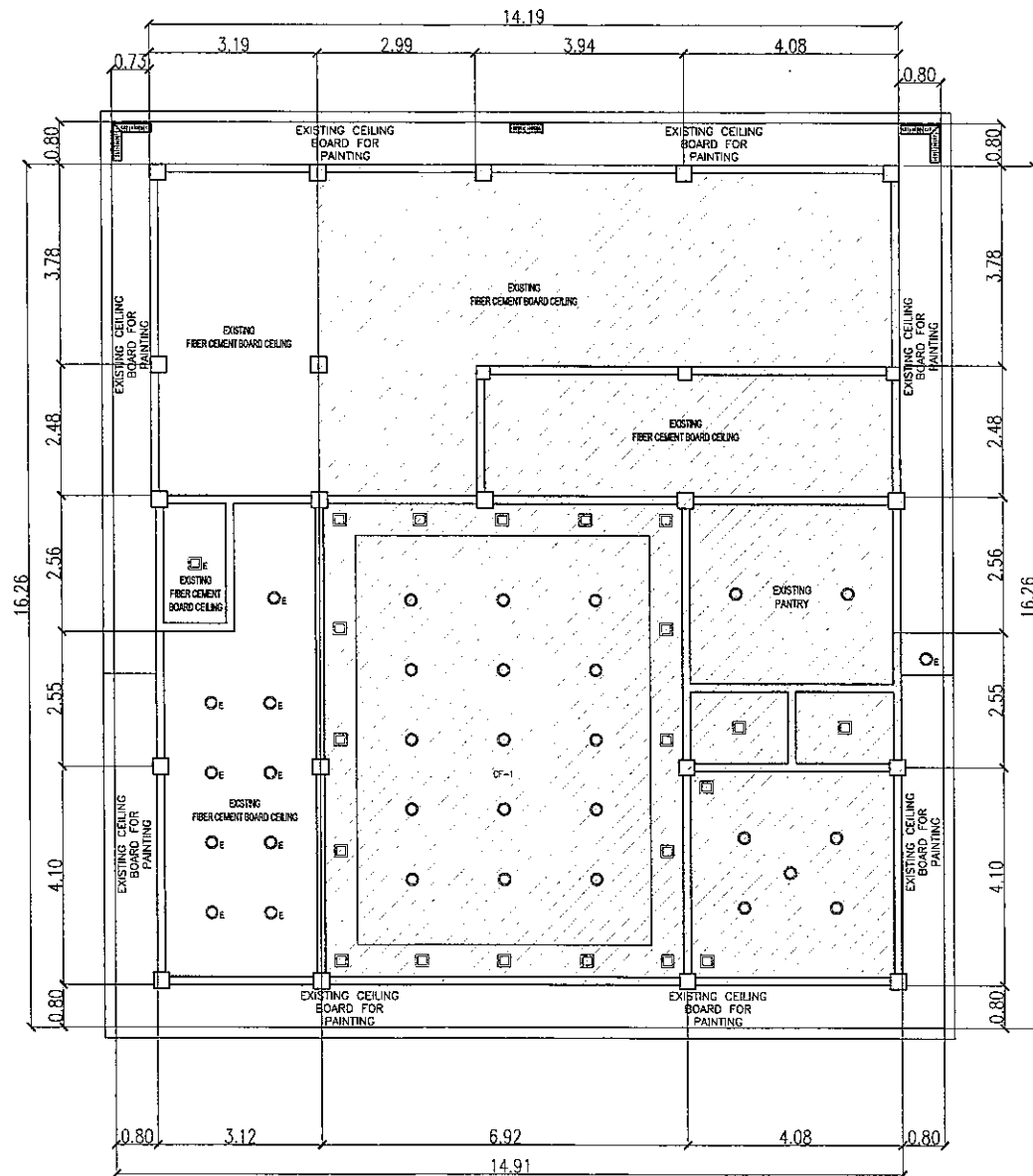
- LEGEND:
- PROPOSED CHS WALL
 - NOT PART OF SCOPE OF WORK

1 PROPOSED GROUND FLOOR FINISH PLAN
A - 4 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	PROPOSED GROUND FLOOR FINISH PLAN	NOEL B. DALINA ARCHITECT - II	LUCAS N. BACSA CHIEF, MAINTENANCE DIVISION	MA. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR	EDGAR C. TABACON, CESO IV REGIONAL DIRECTOR	4	34
LOCATION: DPWH REGIONAL OFFICE VII, BARAS, PALO LEYTE		DATE:	DATE:	DATE:	DATE:		



LEGEND:
 - NOT PART OF SCOPE OF WORK

1 EXISTING REFLECTED CEILING PLAN
A - 5 SCALE: 1:100 MTS.



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

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

SHEET CONTENTS:
 EXISTING REFLECTED CEILING PLAN

PREPARED:

 NOEL B. BALIRA
 ARCHITECT-II
 DATE:

SUBMITTER:

 LUCAS N. BACSA
 CHIEF, MAINTENANCE DIVISION
 DATE:

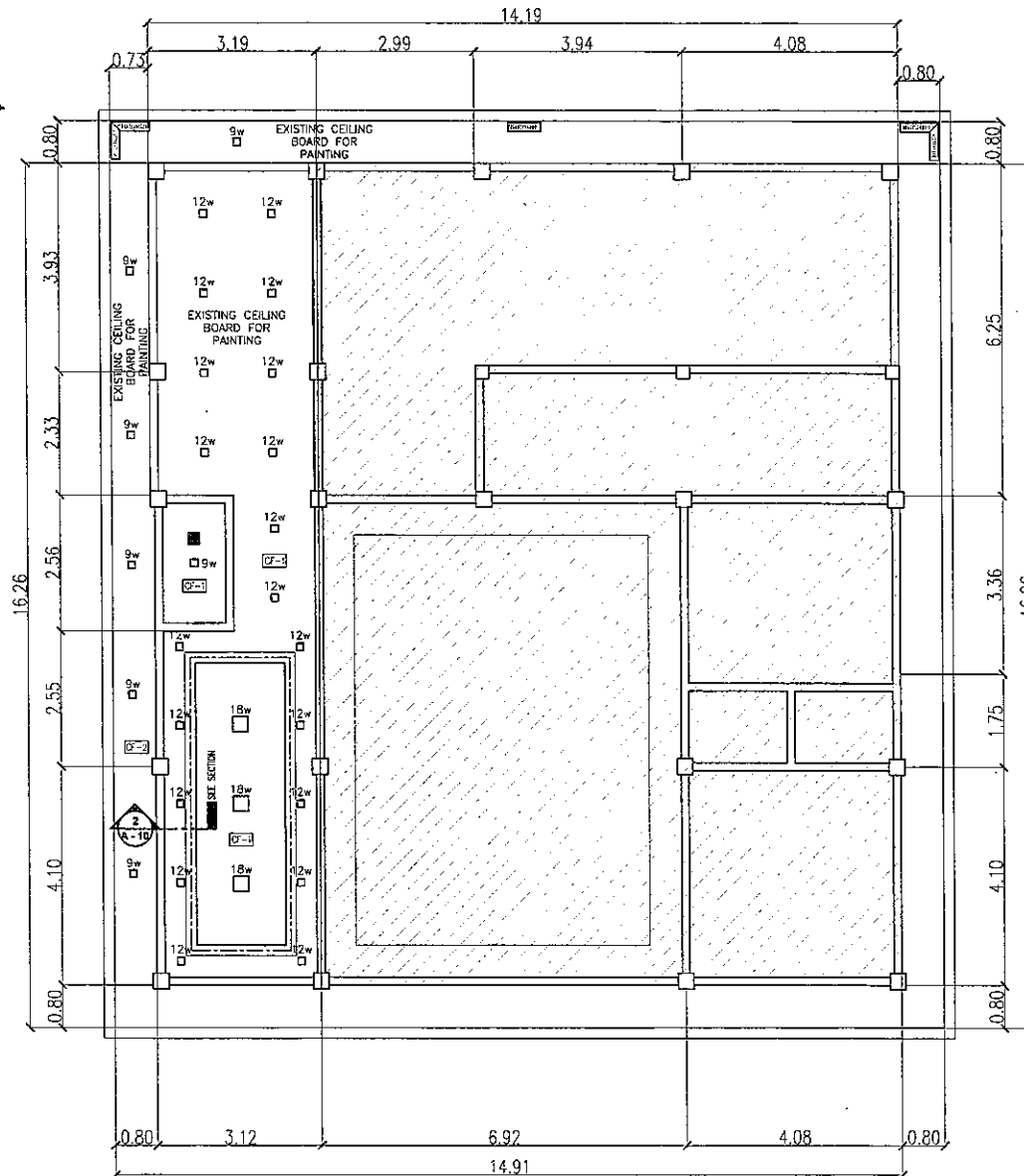
RECOMMENDED FOR APPROVAL:

 MA. MARGARITA JUNIA, D.M.
 ASSISTANT REGIONAL DIRECTOR
 DATE:

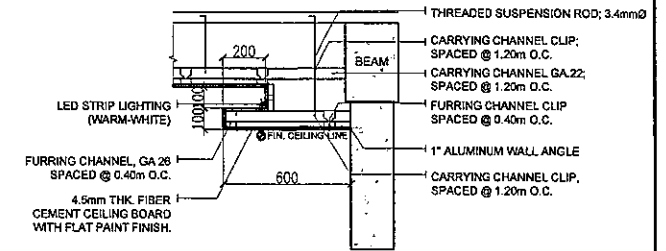
APPROVED:

 EDGAR B. TABACON, CESO IV
 REGIONAL DIRECTOR
 DATE:

SET NO.	SHEET NO.
A	B
5	34



1 PROPOSED REFLECTED CEILING PLAN
A - 6 SCALE: 1:100 MTS.



1 CEILING SECTION DETAILS
A - 6 SCALE: 1:100 MTS.

LEGEND	
LIGHTING FIXTURES	
	RECESSED 6"X6" CEILING SQUARE LED PINLIGHT (DAYLIGHT)
	RECESSED 4"X4" CEILING SQUARE LED PINLIGHT (DAYLIGHT)
CEILING FINISHES	
	4.5mm THK. HARDFLEX LITE WITH METAL DOUBLE FURRING CHANNEL (NAILER) 12mm X 38mm X 5m X 0.80 mm THK. @ 400 mm O.C.
	EXISTING 12mm THK. FIBER CEMENT BOARD CEILING WITH LIGHT-GAUGE FRAMES. REPAINT WITH LATEX PAINT.
CEILING FIXTURES	
	NEW STRAIGHT TYPE PRE-FABRICATED AIR VENT 300mm X 1200mm
	EXISTING L-TYPE PRE-FABRICATED AIR VENT 300mm X 1200mm



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

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

SHEET CONTENTS:
PROPOSED REFLECTED CEILING PLAN

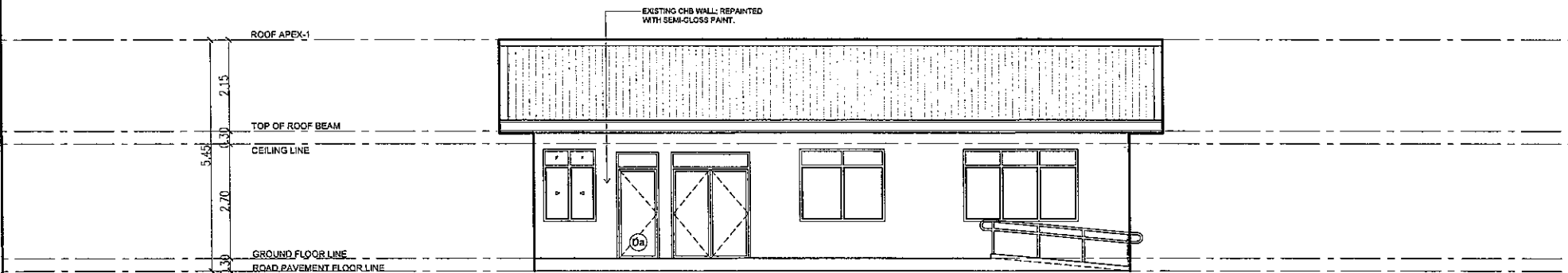
PREPARED:
NOEL B. BALINA
ARCHITECT-II
DATE:

SUBMITTED:
SUCAS N. BACSAI
CHIEF, MAINTENANCE DIVISION
DATE:

RECOMMENDED FOR APPROVAL:
MA. MARGARITA C. JUNIA, D.M.
ASSTANT REGIONAL DIRECTOR
DATE:

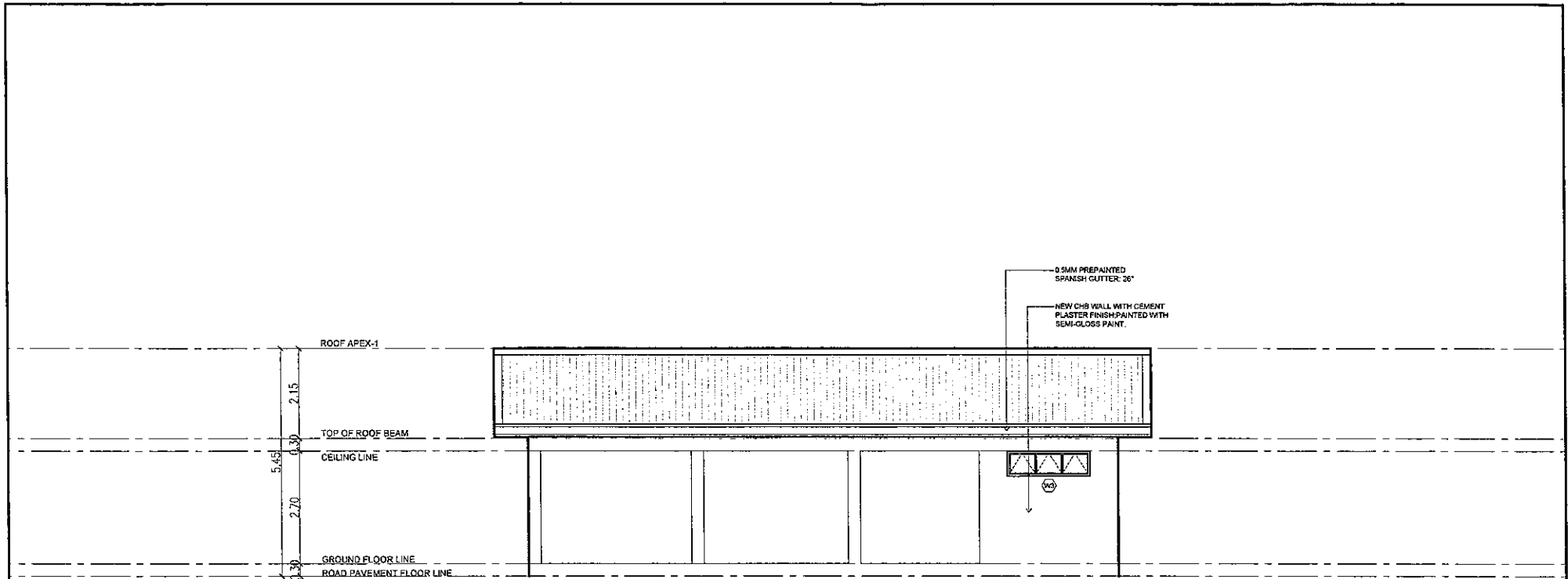
APPROVED:
EDGAR B. TABACON, CESO IV
REGIONAL DIRECTOR
DATE:

SET NO.	SHEET NO.
A	9
6	34



1 FRONT ELEVATION
A - 7 SCALE: 1:100 MTS.

 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, BAYAN, PALO LEYTE	PROJECT TITLE: REPAIR/MAINTENANCE/IMPROVEMENT OF DPWH BUILDING, TECHNICAL WORKING GROUP (TWG) BUILDING LOCATION: DPWH REGIONAL OFFICE VIII, BAYAN, PALO LEYTE	SHEET CONTENTS: FRONT ELEVATION	PREPARED: <i>MLG</i> NOEL B. BALINA ARCHITECT-III DATE:	SUBMITTED: <i>[Signature]</i> LUCAS N. BACSAI CHIEF, MAINTENANCE DIVISION DATE:	RECOMMENDED FOR APPROVAL: <i>[Signature]</i> MA. MARGARITA E. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR DATE:	APPROVED: <i>[Signature]</i> EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR DATE:	SET NO. A	SHEET NO. 10 7 17 34
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1 REAR ELEVATION
A - 8 SCALE: 1:100 MTS.



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

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

SHEET CONTENTS:
REAR ELEVATION

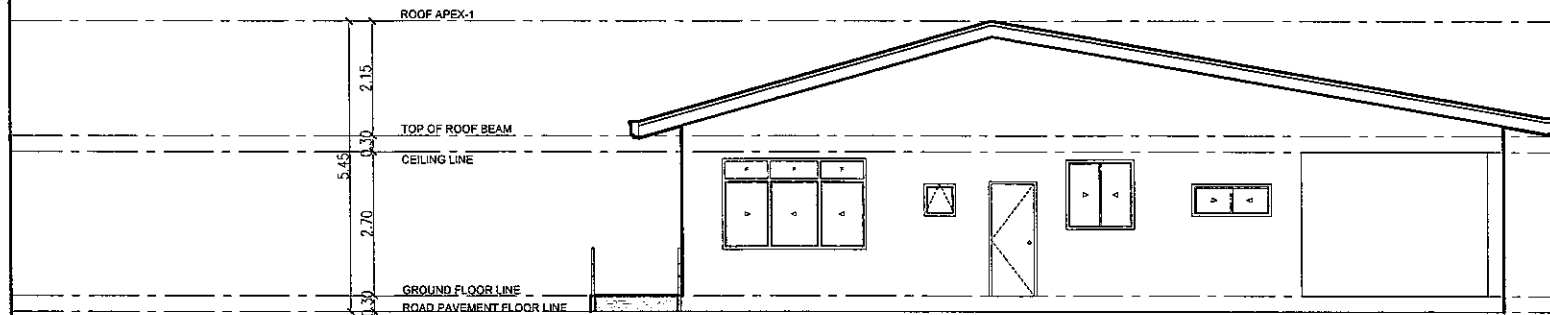
PREPARED:
NOEL B. BALINA
ARCHITECT - I
DATE:

SUBMITTED:
LUCAS N. BACSA
CHIEF, MAINTENANCE DIVISION
DATE:

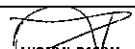
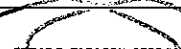
RECOMMENDED FOR APPROVAL:
MA. MARGARITA C. JUNIA, D.M.
ASSISTANT REGIONAL DIRECTOR
DATE:

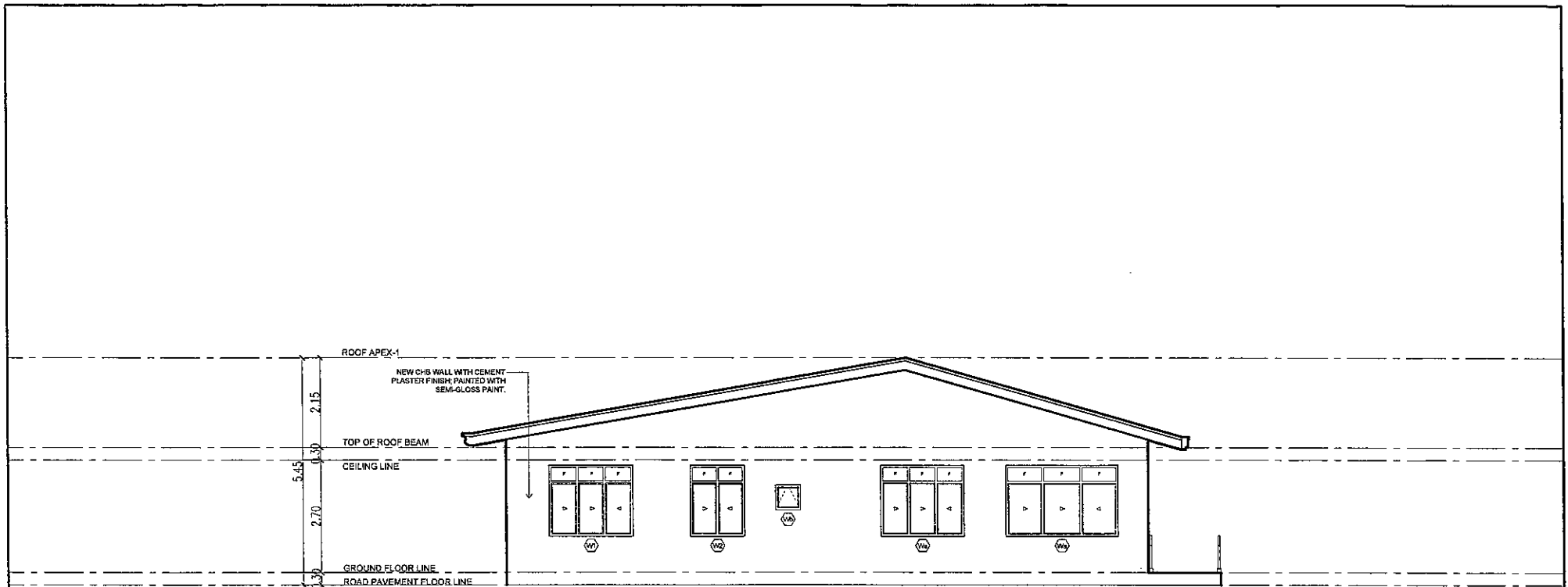
APPROVED:
EDGAR B. TABACON, CESO IV
REGIONAL DIRECTOR
DATE:

SET NO.	SHEET NO.
A	11
8	34



1 RIGHT-SIDE ELEVATION
A-9 SCALE: 1:100 MTS.

 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, BANGAL, PALO LEYTE	PROJECT TITLE: REPAIR/MAINTENANCE/IMPROVEMENT OF DPWH BUILDING TECHNICAL WORKING GROUP (TWG) BUILDING LOCATION: DPWH REGIONAL OFFICE VII, BANGAL, PALO LEYTE	SHEET CONTENTS: RIGHT-SIDE ELEVATION	PREPARED:  NOEL B. BALINA ARCHITECT-II DATE:	SUBMITTED:  LUCAS N. BACBAL 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. A 9 17	SHEET NO. 12 34
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1 LEFT-SIDE ELEVATION
A-10 SCALE: 1:100 MTS.



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

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

SHEET CONTENTS:
LEFT-SIDE ELEVATION

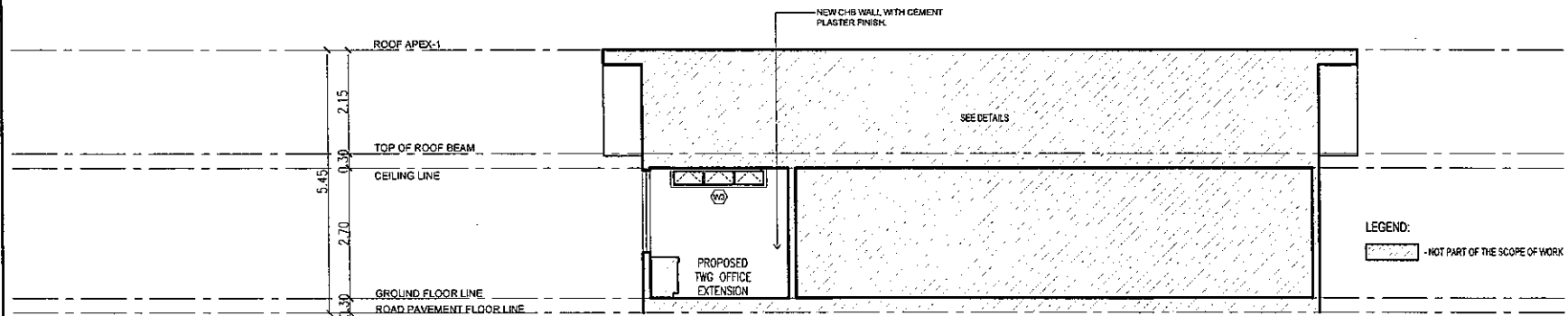
PREPARED:
NOEL B. BALINA
ARCHITECT - II
DATE:

SUBMITTED:
LUCAS N. BACAL
CHIEF, MAINTENANCE DIVISION
DATE:

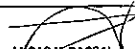
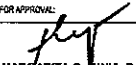
RECOMMENDED FOR APPROVAL:
MA. MARICRISTINE C. JUNIA, D.M.
ASSISTANT REGIONAL DIRECTOR
DATE:

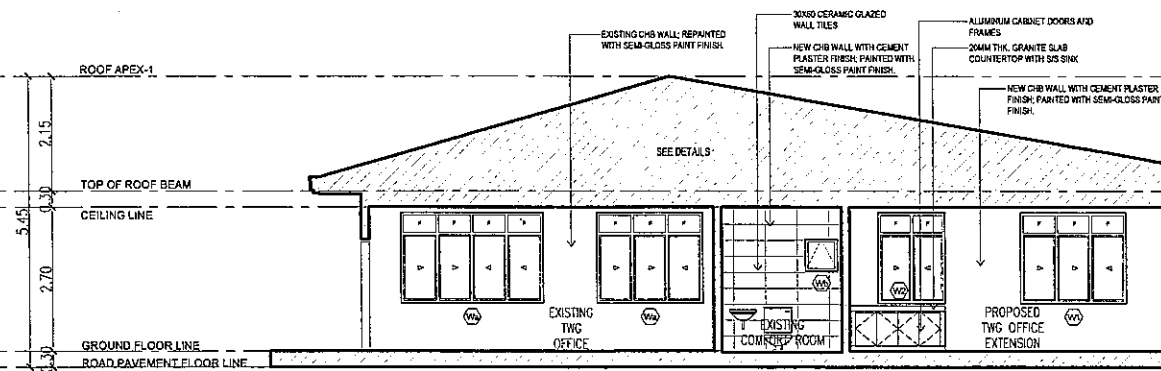
APPROVED:
EDGAR B. TABACON, CESO IV
REGIONAL DIRECTOR
DATE:

SET NO. SHEET NO.
A 13
10 17 34



1 LONGITUDINAL SECTION
A-11 SCALE: 1:100 MTS.

 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, BAKAR, PALO LEYTE	PROJECT TITLE: REPAIR/MAINTENANCE/IMPROVEMENT OF DPWH BUILDING, TECHNICAL WORKING GROUP (TWG) BUILDING LOCATION: DPWH REGIONAL OFFICE VIA, BAKAR, PALO LEYTE	SHEET CONTENTS: LONGITUDINAL SECTION	PREPARED:  NORIB B. SALINA ARCHITECT- II DATE:	SUBMITTED:  LUCAS H. BACSAL 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	SET NO. A 11 17	SHEET NO. 14 34
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1 CROSS SECTION
A-12 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	CROSS SECTION	NOEL B. BALINA ARCHITECT-II DATE: 1/12/17	LUCAS N. BAOSAL CHIEF, MAINTENANCE DIVISION DATE: 1/12/17	MA. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR DATE: 1/12/17	EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR DATE: 1/12/17	A 12 17	15 34
LOCATION: DPWH REGIONAL OFFICE VIL BARAS, PALO LEYTE							

PLAN				
ELEVATION				
▼ FIN. FLOOR LINE				
	Da	D1	Wa	Wb
DESCRIPTION	REPAIR OF HARDWARES OF THE EXISTING ALUMINUM FRAMED SWING DOOR WITH CLEAR GLASS	PVC DOOR SWING TYPE WITH LOOSEPIN HINGES WITH LOCKSET.	REPAIR/ ADDITION OF GLASS PANE OF THE EXISTING ALUMINUM FRAMED SLIDING WINDOW WITH CLEAR GLASS	REPAIR/ RELOCATION OF EXISTING ALUMINUM FRAMED AWNING WINDOW WITH CLEAR GLASS
DIMENSION	2.55M X 0.90M	2.10M X 0.60M	2.70M X 1.70M	0.60M X 0.60M
NO. OF SETS	1 SET	1 SET	1 SET	1 SET
LOCATION	TWG ENTRANCE DOOR	EXISTING COMFORT ROOM	TWG	EXISTING COMFORT ROOM

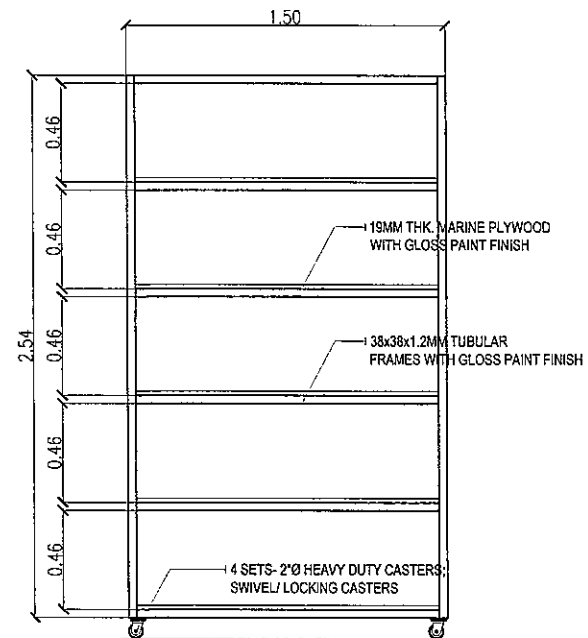
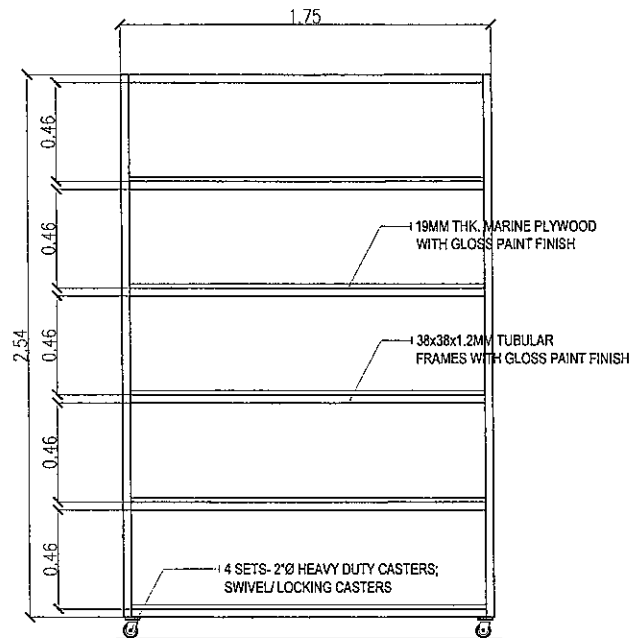
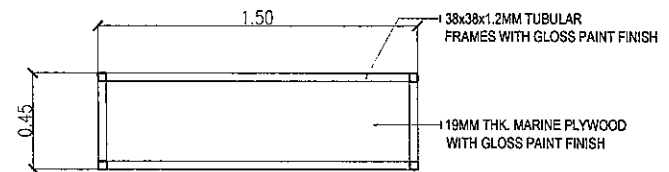
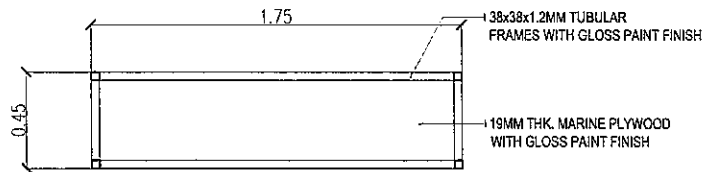
1 SCHEDULE OF DOORS & WINDOWS
A-13 SCALE: 1:50 MTS.

	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	SCHEDULE OF DOORS & WINDOWS	NOEL B. BALISA ARCHITECT-II	LUCAS N. BACSAL CHIEF, MAINTENANCE DIVISION	MA. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR	EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	A	15
	LOCATION: DPWH REGIONAL OFFICE VII, BANGAL, PALO LEYTE		DATE:	DATE:	DATE:	DATE:	13	34

PLAN			
ELEVATION			
▼ FIN. FLOOR LINE			
DESCRIPTION	ALUMINUM FRAMED SLIDING WINDOW WITH CLEAR GLASS	ALUMINUM FRAMED SLIDING WINDOW WITH CLEAR GLASS	ALUMINUM FRAMED AWNING WINDOW WITH CLEAR GLASS
DIMENSION	2.00M X 1.70M	1.27M X 1.70M	2.00M X 0.60M
NO. OF SETS	1 SET	1 SET	1 SET
LOCATION	PROPOSED TWG OFFICE EXTENSION	PANTRY	PROPOSED TWG OFFICE EXTENSION

1 SCHEDULE OF DOORS & WINDOWS
A-14 SCALE: 1:50 MTS.

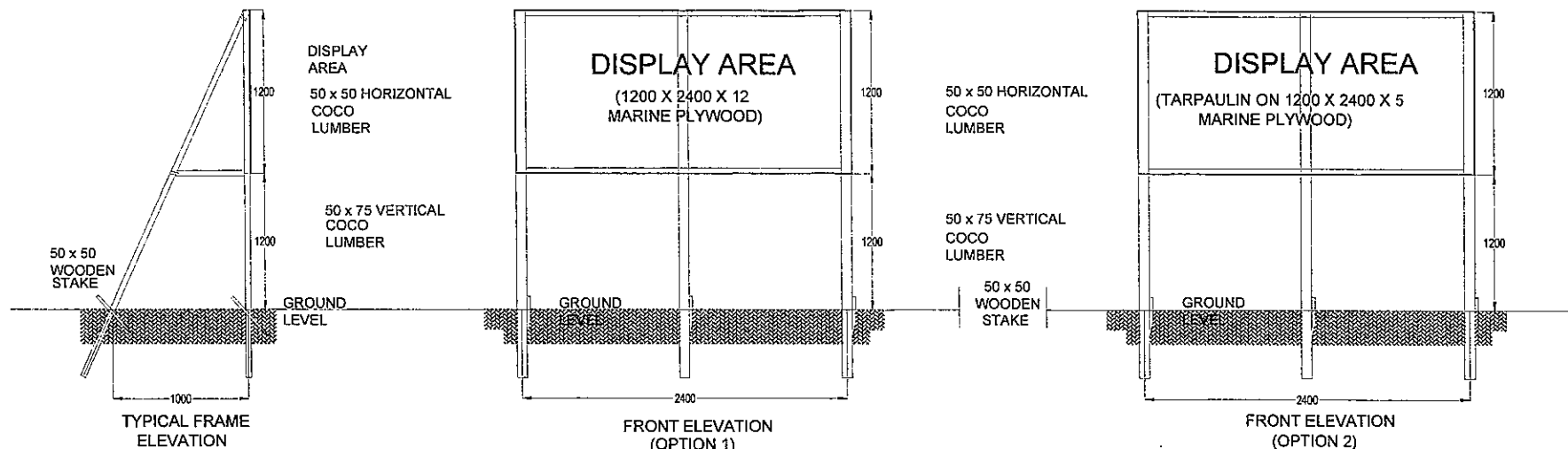
	Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, BARAS, PAO LEYTE	PROJECT TITLE: REPAIR/MAINTENANCE/IMPROVEMENT OF DPWH BUILDING, TECHNICAL WORKING GROUP (TWG) BUILDING LOCATION: DPWH REGIONAL OFFICE VII, BARAS, PAO, LEYTE	SHEET CONTENTS: SCHEDULE OF DOORS & WINDOWS	PREPARED: NOEL B. BALINA ARCHITECT-II DATE:	SUBMITTED: LUCAS N. BACSA CHIEF, MAINTENANCE DIVISION DATE:	RECOMMENDED FOR APPROVAL: MA. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR DATE:	APPROVED: EDGAR S. TABACON, CESO IV REGIONAL DIRECTOR DATE:	SET NO. A 14 17	SHEET NO. 17 34
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FILE SHELVES 01
1 DETAILS OF FILE SHELVES
A-15 SCALE: 1:25 MTS.

FILE SHELVES 02
2 DETAILS OF FILE SHELVES
A-15 SCALE: 1:25 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 VIL BARAS, PALO LEYTE	SHEET CONTENTS: DETAILS OF FILE SHELVES 01 DETAILS OF FILE SHELVES 02	PREPARED: <i>NOEL B. BALINA</i> NOEL B. BALINA ARCHITECT - II DATE: _____	SUBMITTED: <i>LUCAS N. BACSAI</i> LUCAS N. BACSAI CHIEF, MAINTENANCE DIVISION DATE: _____	RECOMMENDED FOR APPROVAL: <i>MA MARGARITA C. JUNIA, D.M.</i> MA MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR DATE: _____	APPROVED: <i>EDGAR B. TABACON, CESO IV</i> EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR DATE: _____	SET NO. A	SHEET NO. 18 34
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PROJECT BILLBOARD FRAME-1

30	210	50	210	10	210	50	30
							
THIS IS WHERE YOUR TAXES GO							
NAME OF PROJECT: LOCATION: NAME OF CONTRACTOR: DATE STARTED: CONTRACT COMPLETION DATE: CONTRACT COST: IMPLEMENTING OFFICE: SOURCE OF FUND:							
Department of Public Works and Highways Text 2920 or Call (02) 165-02 for any concern on this project www.dpwh.gov.ph							

NOTE:
 INSTALLATION OF BILLBOARD SHALL CONFORM WITH DEPARTMENT ORDER NO. 11, SERIES OF 2022, REVISED GUIDELINE ON THE INSTALLATION PROJECT BILLBOARDS

DPWH STANDARD PROJECT BILLBOARD

 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, BAYAN, 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 LOCATION: DPWH REGIONAL OFFICE VII, BAYAN, PALO LEYTE	DPWH STANDARD PROJECT BILLBOARD	 NOEL B. BALINA ARCHITECT - II DATE:	 LUCAS N. BACSAL CHIEF, MAINTENANCE DIVISION DATE:	 MA. MARGARITA C. JUNIA, D.M. ASSTANT REGIONAL DIRECTOR DATE:	 EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR DATE:	A 17 17	20 34

GENERAL CONSTRUCTION NOTES

A. GENERAL

1. UNLESS INDICATED OTHERWISE, ALL DIMENSIONS, DISTANCES AND SIZES ARE IN MM.
2. INDICATED DIMENSIONS SHALL COVER OVER SOULD DIMENSIONS. SOULD DIMENSIONS SHALL BE USED FOR CONSTRUCTION PURPOSES.
3. CONSTRUCTION NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL DRAWINGS WHOMEVER APPLICABLE. UNLESS OTHERWISE SHOWN OR NOTED, MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
4. SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEELS, MISCELLANEOUS IRON, PRE-CAST CONCRETE, ETC., SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGAL CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS PIPE SLEEVES, ETC., TO BE EMBEDDED IN CONCRETE.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTION.
7. ALL STRUCTURAL WORKS SHALL BE EXECUTED IN ACCORDANCE WITH THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES VOL. 1 (NSCP).
8. ANY DISCREPANCY RELATED TO SUE, DRAWINGS, CONSTRUCTIONS, OR LACK OF INFORMATION SHALL BE CLARIFIED WITH MANDER ENGINEERING GROUP PRIOR TO COMMENCEMENT OF CONSTRUCTION. E, FABRICATION, OR INSTALLATION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FAILURE TO DO SO.

B. CONCRETE & REINFORCEMENT

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI-318) & NATIONAL STRUCTURAL CODE OF THE PHILIPPINES VOL. 1 (NSCP).
2. ALL CONCRETE (CEMENT TYPE IV) SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY (28) DAYS & CORRESPONDING MAXIMUM SIZE AGGREGATE & SLUMPS AS FOLLOWS:

LOCATION	28 DAYS STRENGTH	MAX. SIZE AGGREGATE
FOOTING	3000 psi	3/4 in (19mm)
FOOTING TO BEAM	3000 psi	3/4 in (19mm)
COLUMN, BEAM, SLAB	3000 psi	3/4 in (19mm)
WALL	3000 psi	3/4 in (19mm)
OTHERS	3000 psi	3/4 in (19mm)
3. ALL REINFORCING BARS SHALL CONFORM TO ASTM A501 GRADE 60 FOR DIAMETER 16mm & SMALLER BARS AND GRADE 60 FOR DIAMETER 20mm AND LARGER BARS.
4. EPOXY COATED REBARS SHALL BE USED ON FOUNDATION, PEDESTAL, AND OTHER STRUCTURAL MEMBERS EXPOSED TO WEATHER.
5. IN GENERAL, THE LATEST EDITION OF ACI-318, MANUAL OF STANDARD PRACTICE DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE SHOWN OR NOTED.
7. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS:

REINFORCING STEEL	COVER
SUSPENDED SLABS	3/4 in (19 mm)
WALLS ABOVE GRADE	1 1/2 in (38 mm)
BEAM STIRRUPS AND COLUMN TIES	1 in (25 mm)
WHERE CONCRETE IS EXPOSED TO EARTH BUT Poured AGAINST FORMS WHERE CONCRETE IS DEPOSITED	2 in (50 mm)
DIRECTLY AGAINST EARTH	3 in (75 mm)
8. SPICES SHALL BE SECURELY WELD TOGETHER & SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE OF LAP SPICE & ANCHORAGE LENGTH UNLESS OTHERWISE SHOWN ON DRAWINGS. SPICES SHALL BE STAGGERED WHENEVER POSSIBLE.
9. ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED & SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
10. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOKS, EQUIPMENT TO MECHANICAL BARS THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
11. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.
12. STOPPING OF FORMS AND SHORES:

FOUNDATION	24 HOURS
WALLS, COLUMNS, SIDES OF BEAMS AND GIRDERS, AND SLABS ON GRADE <td>24 HOURS</td>	24 HOURS
SUSPENDED SLABS EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED BEAM AND GIRDERS <td>8 DAYS</td>	8 DAYS
	14 DAYS

C. CAMBER REQUIREMENTS

1. UNLESS OTHERWISE NOTED ON THE PLANS OR SPECIFICATIONS CAMBER ALL BEAMS AT LEAST 10mm FOR EVERY 4000mm OF CLEAR SPAN EXCEPT CANTILEVERS WHICH SHALL BE 50mm FOR EVERY 3000mm OF CLEAR SPAN.
2. UNLESS OTHERWISE NOTED ON THE PLANS OR SPECIFICATIONS, CAMBER ALL RC SLABS 3mm FOR EVERY 3000mm OF SHORTER SPAN AND 14mm FOR EVERY 2000mm OF CANTILEVER SPAN.

D. MASONRY AND CONCRETE BLOCKS

1. ALL NON-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A UNIT WEIGHT NOT TO EXCEED 80 PCF. FOR LOAD BEARING TYPE, TYPE CONCRETE BLOCKS, A MINIMUM COMPRESSIVE STRENGTH OF 8,500 MPa SHALL BE DEVELOPED.
2. PROVIDE 1-#16 EXTRA VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS, AND EACH SIDE OF OPENINGS AS SHOWN.
3. LINTEL BEAMS SHALL BEAR AT LEAST 8 INCHES (200 MM) ON EACH SIDE OF MASONRY WALL OPENING.
4. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 30 BAR DIAMETER WHERE SPICES COME FROM FOOTING OR SLABS SHALL EXTEND INTO THE BLOCK WALL A MINIMUM OF 30 BAR DIAMETER AND DOWELS TO MATCH.
5. ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLELY FILLED WITH CONCRETE GROUT.
6. WALL REINFORCEMENTS SHALL BE AS FOLLOWS:

WALL THICKNESS	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT
8 in (200 mm)	#12 @ 400 OC	#10 @ 600 OC
6 in (150 mm)	#10 @ 400 OC	#10 @ 600 OC
4 in (100 mm)	#10 @ 400 OC	#10 @ 600 OC

FOUNDATION

1. IN THE ABSENCE OF SOIL REPORT, FOUNDATION WAS DESIGNED USING AN ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 75 KPA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VALIDATE THE ACTUAL SOIL SITE.
2. FOUNDATION SHALL REST ON NATURAL SOIL UNLESS OTHERWISE NOTED BY THE ENGINEER. NO PART OF THE FOUNDATION SHALL REST ON FILL.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER FOOTING EXCAVATION HAVE BEEN COMPLETED AND PRIOR TO CONCRETING TO CONFIRM THE DESIGN SOIL BEARING CAPACITY.
4. THE CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL GROUNDING, SHEATHING, AND SHORING NECESSARY TO SAFELY REMAIN EXCAVATION AND EARTH BANKS.
5. ALL ON-SITE WORKS SHALL BE AS PER THE RECOMMENDATION OF THE PROJECT SOIL ENGINEER.
6. PILING, IF ANY, SHALL BE CONDUCTED WITH MINIMUM DISTURBANCE TO ADJACENT PROPERTIES.

STRUCTURAL STEEL

1. UNLESS OTHERWISE INDICATED IN THE PLANS, STRUCTURAL STEEL AND PLATES SHALL CONFORM TO ASTM-A588 CERTIFIED MILL TEST SHALL BE SUBMITTED BY THE FABRICATOR.
2. SUBMIT SHOP DRAWINGS FOR APPROVAL BY STRUCTURAL ENGINEER PRIOR TO FABRICATION.
3. SHOP DRAWINGS SHALL INCLUDE COMPLETE INFORMATION FOR THE FABRICATION AND ERECTION OF THE STRUCTURE'S COMPONENTS, INCLUDING THE LOCATION, TYPE, AND SIZE OF BOLTS, WELDS, MEMBER SIZES AND LENGTHS, CONNECTION DETAILS, BLOCKS, COPIES AND CUTS.
4. ALL CONNECTIONS, SPICES, SIZES OR THICKNESS OF STRUCTURAL STEEL COMPONENTS SUCH AS BASE PLATES, CLEATS, STIFFENERS, ETC., SHALL COMPLY WITH DETAILS SHOWN ON DRAWINGS.
5. THE STEEL FRAMES OR TRUSSES SHALL BE CARRIED TRUE AND PLUMB WITHIN THE LIMITS DEFINED UNDER THE AWS CODE OF PRACTICE. TEMPORARY BRACING SHALL BE PROVIDED WHOMEVER NECESSARY TO TAKE CARE OF ALL THE CONSTRUCTION LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED. SUCH BRACING SHALL BE LEFT IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY.
6. WELDING ELECTRODES AND FILLET SHALL CONFORM WITH THE AWS SPECIFICATIONS. MANUFACTURER'S CERTIFICATION SHALL CONSTITUTE SUFFICIENT EVIDENCE OF CONFORMITY WITH THE SPECIFICATIONS. ERO OR E70 ELECTRODES SHALL BE USED UNLESS OTHERWISE SPECIFIED BY THE STRUCTURAL ENGINEER.
7. THE FABRICATOR SHALL HAVE THE WELDS TESTED BY ANY INDEPENDENT COMPANY ENGAGED IN NON-DESTRUCTIVE TESTING. THE WELDS SHALL BE ACCEPTED AND ARE CONSIDERED SATISFACTORY IF 9 OUT OF 10 SAMPLES PASSED THE REQUIREMENTS. OTHERWISE, THE WELDS SHALL NOT BE CONSIDERED.
8. POSITIONING, ALIGNMENT, AND PLUMBNESS: NO PERMANENT BOLTING OR WELDING SHALL BE PERMITTED UNTIL AS MUCH OF THE STRUCTURE ARE STIFFENED AND ALIGNED. CAMBER AS SPECIFIED IN THE DRAWINGS SHALL BE PROVIDED ON ALL CANTILEVER BEAMS.
9. ALL DIMENSIONS IN THE PLANS SHALL BE VERIFIED BY THE STEEL FABRICATOR IN THE FIELD IN COORDINATION WITH THE GENERAL CONTRACTOR.
10. UNLESS OTHERWISE SPECIFIED IN THE PLANS, GUSSET PLATES AND STIFFENERS SHALL BE 5mm THK (3/16").
11. ALL SPICES SHALL BE STAGGERED. NO SPICE SHALL BE PERMITTED AT POINTS WHERE CRITICAL STRESSSES OCCUR. SPICE PLATES SHALL HAVE MINIMUM LENGTH OF 300mm.
12. ALL BEARING PLATES SHALL HAVE A MINIMUM THICKNESS OF 10mm.
13. ALL ERECTION BOLT HOLES SHALL BE 3mm PLUS NOMINAL BOLT DIAMETER.
14. ALL CUTTING SHALL BE NEAT CUT.
15. SURFACE PREPARATION: DEPENDENT ON THE CONDITION OF STEEL, BRUSH OFF OR SANDBLAST AFTER ALL FORMS OF RUST. APPLY RUST COATERS IF SO DIRECTED BY THE CONSTRUCTION MANAGER.
16. SHOP PAINTING: ALL STEEL WORKS SHALL BE COATED WITH EPOXY PRIMER OR ANY APPROVED EQUIVALENT BRAND, 2 COATS, PRIOR TO THE DELIVERY TO SITE. LABEL ALL BEAMS WITH 150mm HIGH LABELS.
17. FIELD PAINTING: CLEAN ALL FIELD WELDS AND APPLY 2 COATS OF EPOXY PRIMER OR ANY APPROVED EQUIVALENT BRAND WITH DIFFERENT COLOR. THEN, AFTER ERECTION, APPLY FINISH COAT OF EPOXY WITH DIFFERENT SHADE OF COLOR.

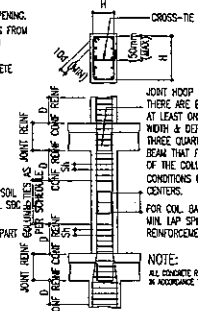
PROFESSIONAL LIABILITY NOTE:

THE STRUCTURAL DESIGN WAS BASED ON THE ASSUMPTION THAT THE CONTRACTOR WILL STRICTLY FOLLOW ALL THE DETAILS, SPECIFICATIONS, AND REQUIREMENTS PROVIDED HEREIN.

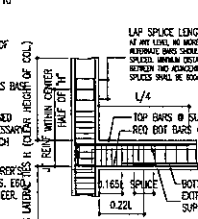
ANY DEVIATION OR MISINTERPRETATION FOUND DURING CONSTRUCTION AND ON THE ACTUAL CONSTRUCTED STRUCTURE FROM THESE PLANS AND SPECIFICATIONS SHALL MEAN AUTOMATIC TERMINATION OF PROFESSIONAL RESPONSIBILITY AND LIABILITY OF THE SIGNING ENGINEER AND THE COMPANY.

NOTES:

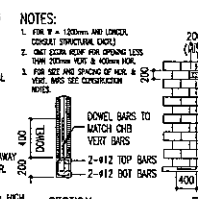
1. YIELD STRESS OF HOOPS $f_y = 420$ MPa (215 N/mm²) SHALL BE ALLOWED WITHIN THIS ZONE. TYPE
2. $\phi =$ USE MAXIMUM COLUMN DIMENSION, 1/6 CLEAR HEIGHT, 450mm WHICHEVER IS GREATER.
3. NUMBER OF HOOP TIES SAME AS PER COLUMN TIES SCHEDULE.
4. ALL CONCRETE REINFORCEMENT DETAIL SHOULD BE DONE IN ACCORDANCE WITH ACI DETAILING MANUAL.



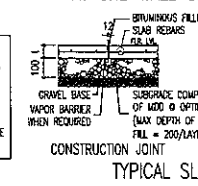
TYPICAL COLUMN ELEV. SHOWING DOWELS AND TIES SPACING



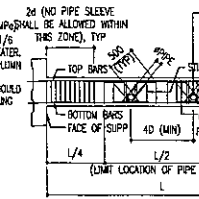
TYPICAL DETAIL OF COLUMN LAP SPICE & GIRDER TO COLUMN CONNECT



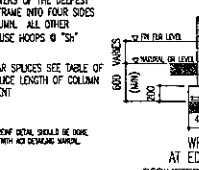
TYPICAL DETAIL OF LINTEL BEAM AT CHB WALL OPENING



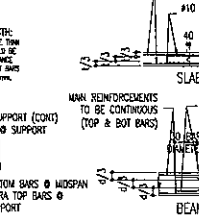
TYPICAL SLAB-ON-GRADE DETAIL



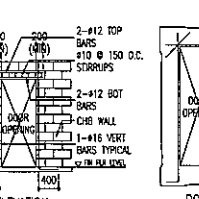
TYPICAL DETAIL FOR SLEEVES THRU CONCRETE BEAM



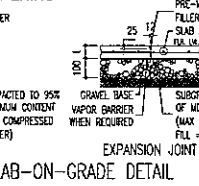
TYPICAL CHB WALL AT EDGE OR PERIMETER CHB WALL



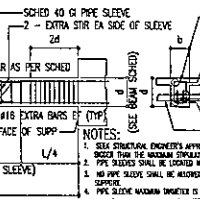
TYPICAL CHB WALL AT INTERIOR



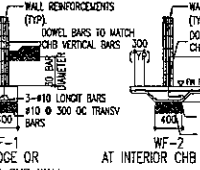
TYPICAL CHB WALL AT INTERIOR WITH SLAB ELEVATION DIFFERENCE



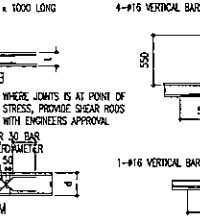
TYPICAL CHB WALL AT CORNERS



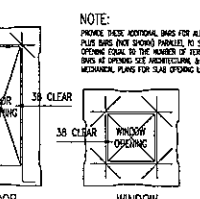
TYPICAL CHB WALL AT INTERSECTION



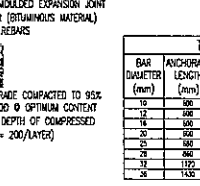
TYPICAL CHB WALL AT INTERSECTING RC COL OR WALL



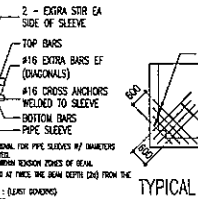
TYPICAL CHB WALL AT OPENING OR END WALL



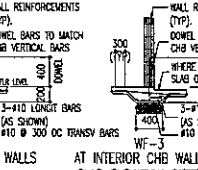
TYPICAL CHB WALL AT CORNERS



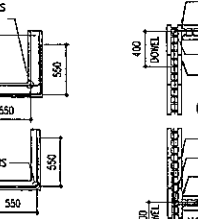
TYPICAL CHB WALL AT INTERSECTION



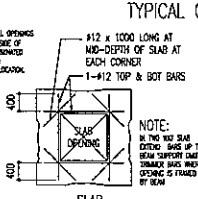
TYPICAL CHB WALL AT CORNERS



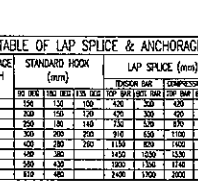
TYPICAL CHB WALL AT INTERIOR



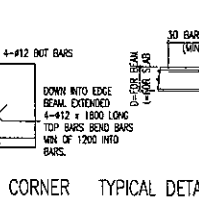
TYPICAL CHB WALL AT INTERIOR WITH SLAB ELEVATION DIFFERENCE



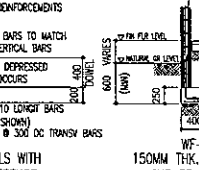
TYPICAL CHB WALL AT CORNERS



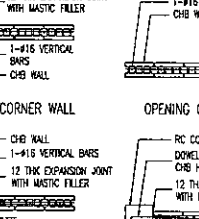
TYPICAL CHB WALL AT INTERSECTION



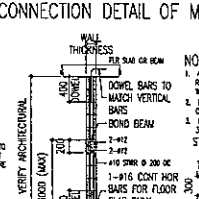
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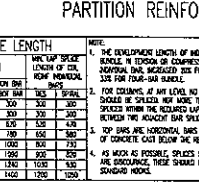
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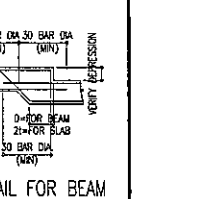
TYPICAL CHB WALL AT INTERIOR WITH SLAB ELEVATION DIFFERENCE



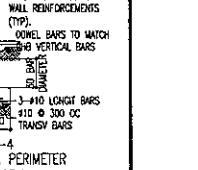
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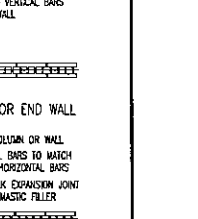
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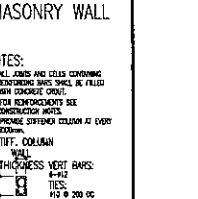
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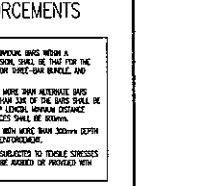
TYPICAL CHB WALL AT INTERIOR



TYPICAL CHB WALL AT INTERIOR WITH SLAB ELEVATION DIFFERENCE



TYPICAL CHB WALL AT CORNERS



TYPICAL CHB WALL AT INTERSECTION



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
GOVERNMENT CENTER, BATAAN, PAMPANGA

PROJECT TITLE:
REPAIR/MAINTENANCE/IMPROVEMENT OF
DPWH BUILDING,
TECHNICAL WORKING GROUP (TWG) BUILDING
LOCATION: DPWH REGIONAL OFFICE BATAAN, PAMPANGA

SHEET CONTENTS:
STRUCTURAL NOTES

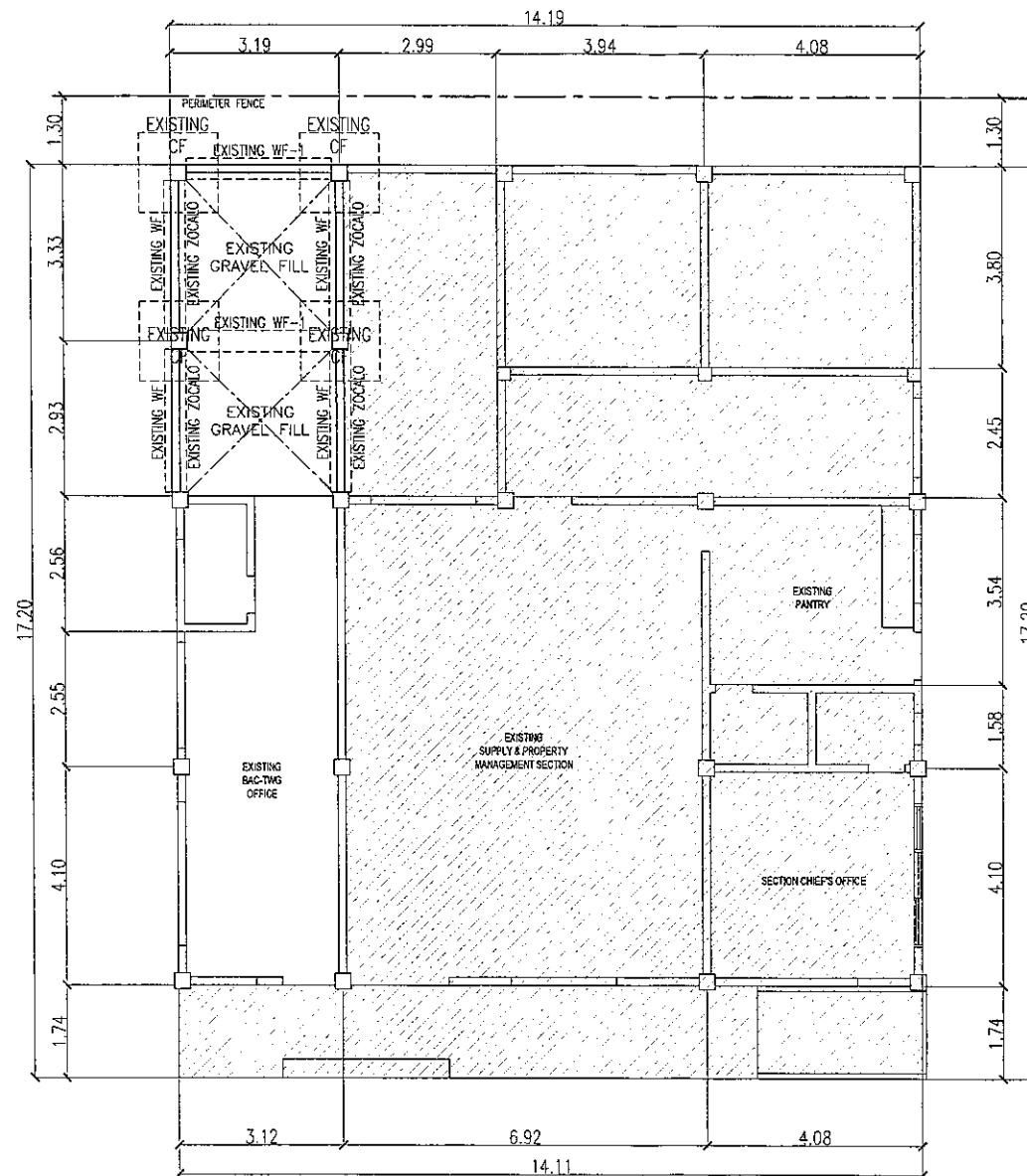
PREPARED:
LOUIE L. GARCIA
DATE:

SUBMITTED:
LUCAS N. BACSA
CHIEF, MAINTENANCE DIVISION
DATE:

RECOMMENDED FOR APPROVAL:
MA. MARGARITA E. JUNIA, D.M.
ASSISTANT REGIONAL DIRECTOR
DATE:

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

SET NO. 8
SHEET NO. 21



1 EXISTING FOUNDATION PLAN
S-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:
 REPAIR/MAINTENANCE/IMPROVEMENT OF
 DPWH BUILDING
 TECHNICAL WORKING GROUP (TWG) BUILDING
 LOCATION: DPWH REGIONAL OFFICE VIII, BARAS, PALO LEYTE

SHEET CONTENTS:
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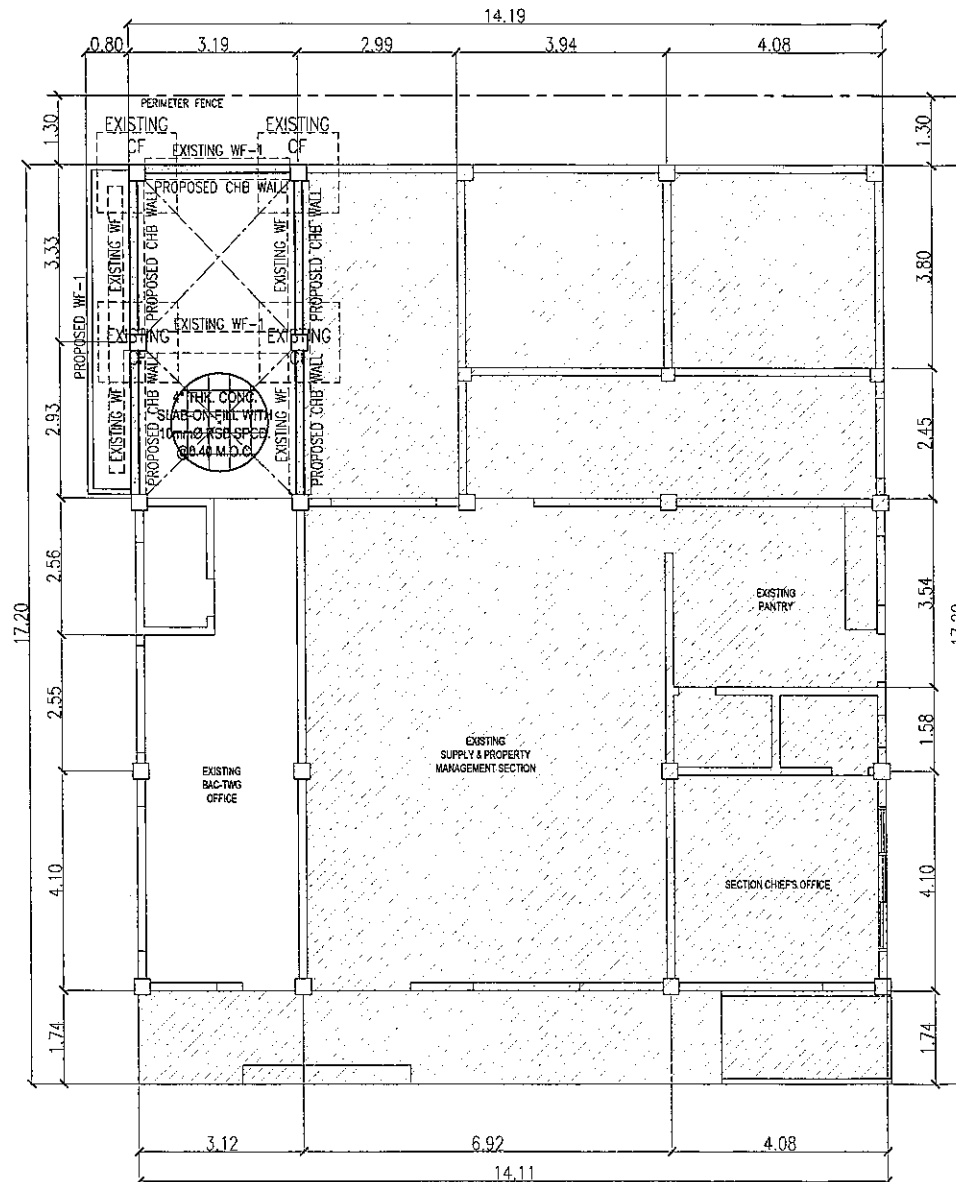
PREPARED:
 QUELLE L. GUMBA
 ENGINEER
 DATE:

SUBMITTED:
 LUCAS N. BACSA
 CHIEF, MAINTENANCE DIVISION
 DATE:

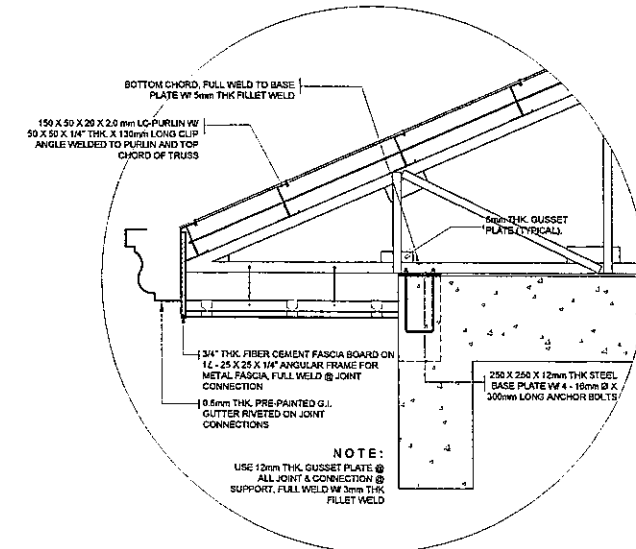
RECOMMENDED FOR APPROVAL:
 MA. MARGARITA C. JUNIA, D.M.
 ASSISTANT REGIONAL DIRECTOR
 DATE:

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

SET NO.	SHEET NO.
5	22
2	34



1 FOUNDATION PLAN
S-3 SCALE: 1:100 MTS.



2 ROOF SECTION DETAILS
S-3 SCALE: 1:100 MTS.



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

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

SHEET CONTENTS:
FOUNDATION PLAN
ROOF SECTION DETAILS

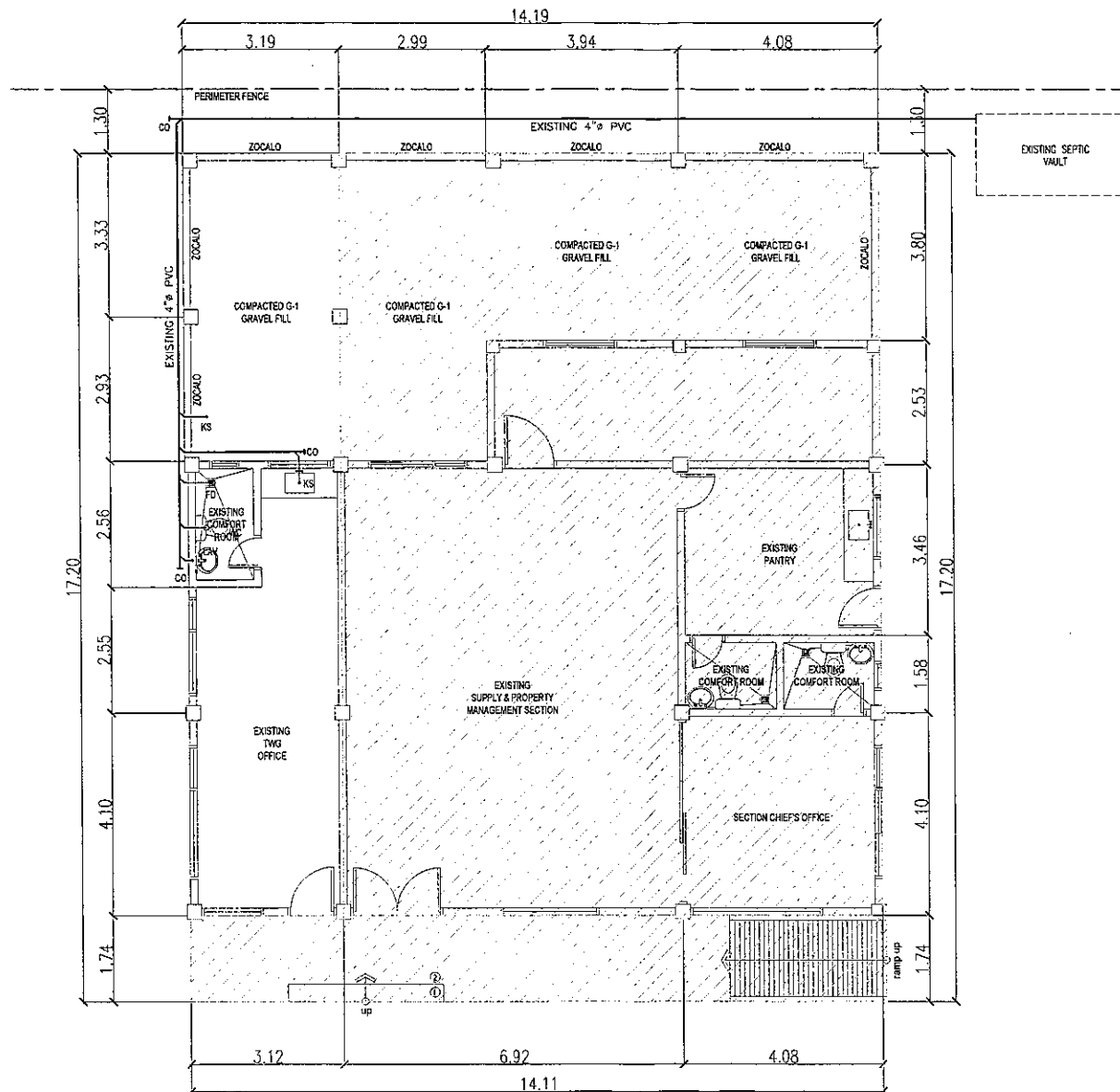
PREPARED:
LOUIE L. GUNBA
ENGINEER
DATE:

SUBMITTED:
LUCAS R. RASAL
CHIEF, MAINTENANCE DIVISION
DATE:

RECOMMENDED FOR APPROVAL:
MA. MARGARITA G. JUNIA, O.M.
ASSISTANT REGIONAL DIRECTOR
DATE:

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

SET NO. SHEET NO.
5 23
3 34



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

SHEET CONTENTS:
 EXISTING GROUND FLOOR PLAN

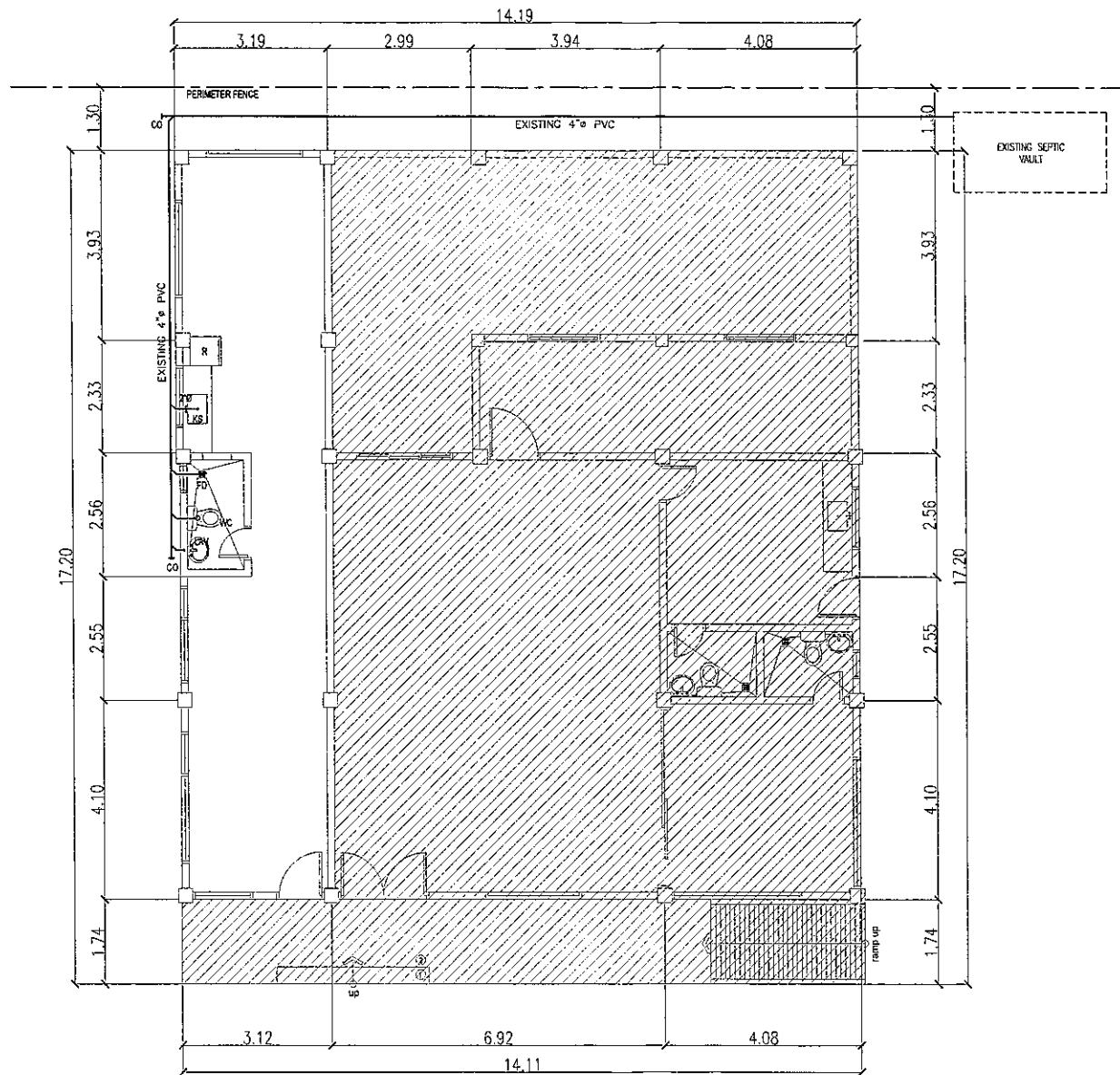
PREPARED:
 FRANCIS JOSEPH L. BADILO
 ENGINEER-I
 DATE: _____

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

RECOMMENDED FOR APPROVAL:
 MA. MARYARITA C. MUNIA, D.M.
 ASSISTANT REGIONAL DIRECTOR
 DATE: _____

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

SET NO.	SHEET NO.
P 1 5	24 34



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

SHEET CONTENTS:
 EXISTING GROUND FLOOR PLAN

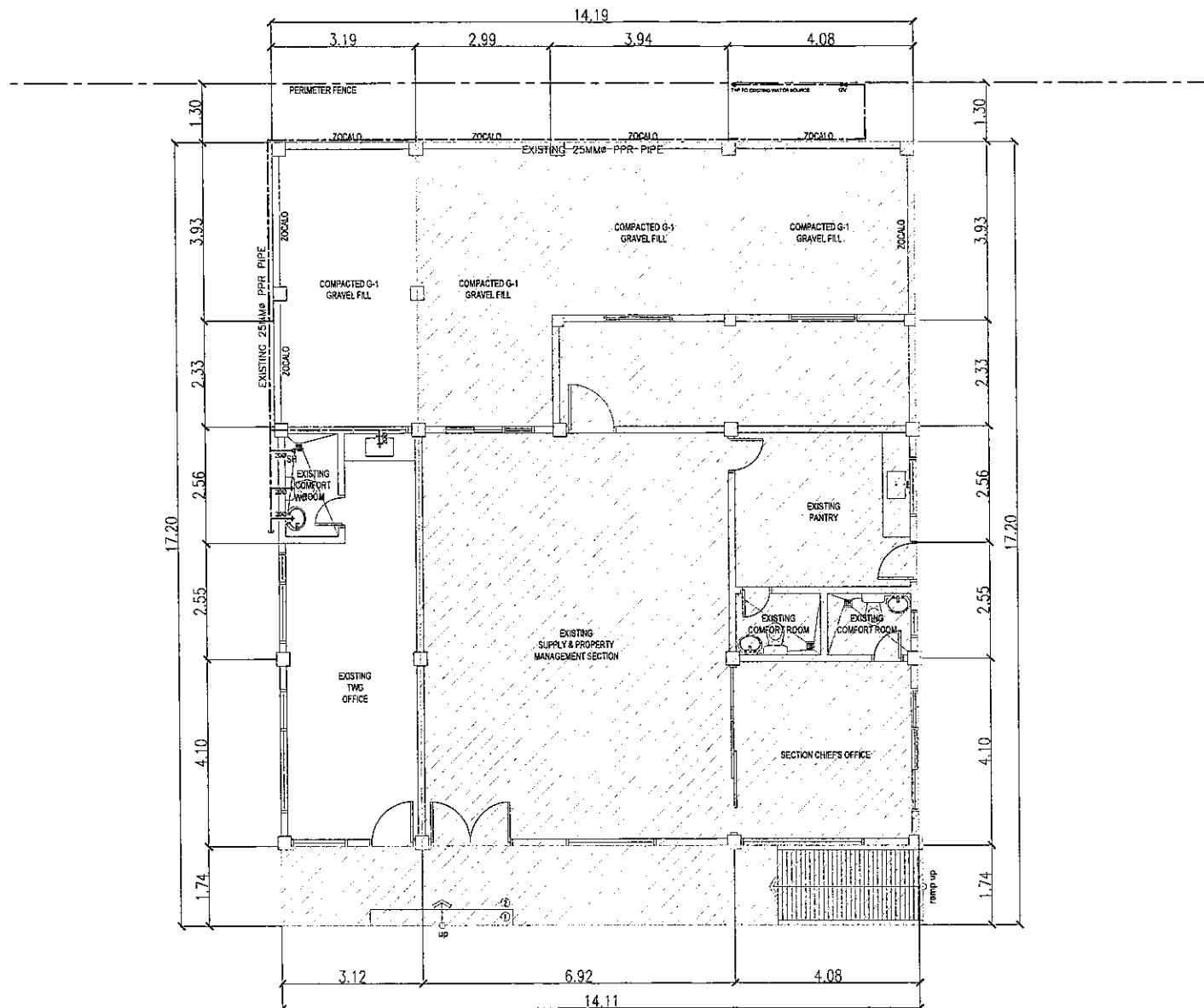
PREPARED:
 FRANCIS JOSEPH L. RADILLO
 ENGINEER-II
 DATE

SUBMITTED:
 LUCAS N. RACSAL
 CHIEF, MAINTENANCE DIVISION
 DATE

RECOMMENDED FOR APPROVAL:
 MA. MARGARITA S. JUNIA, D.M.
 ASSISTANT REGIONAL DIRECTOR
 DATE

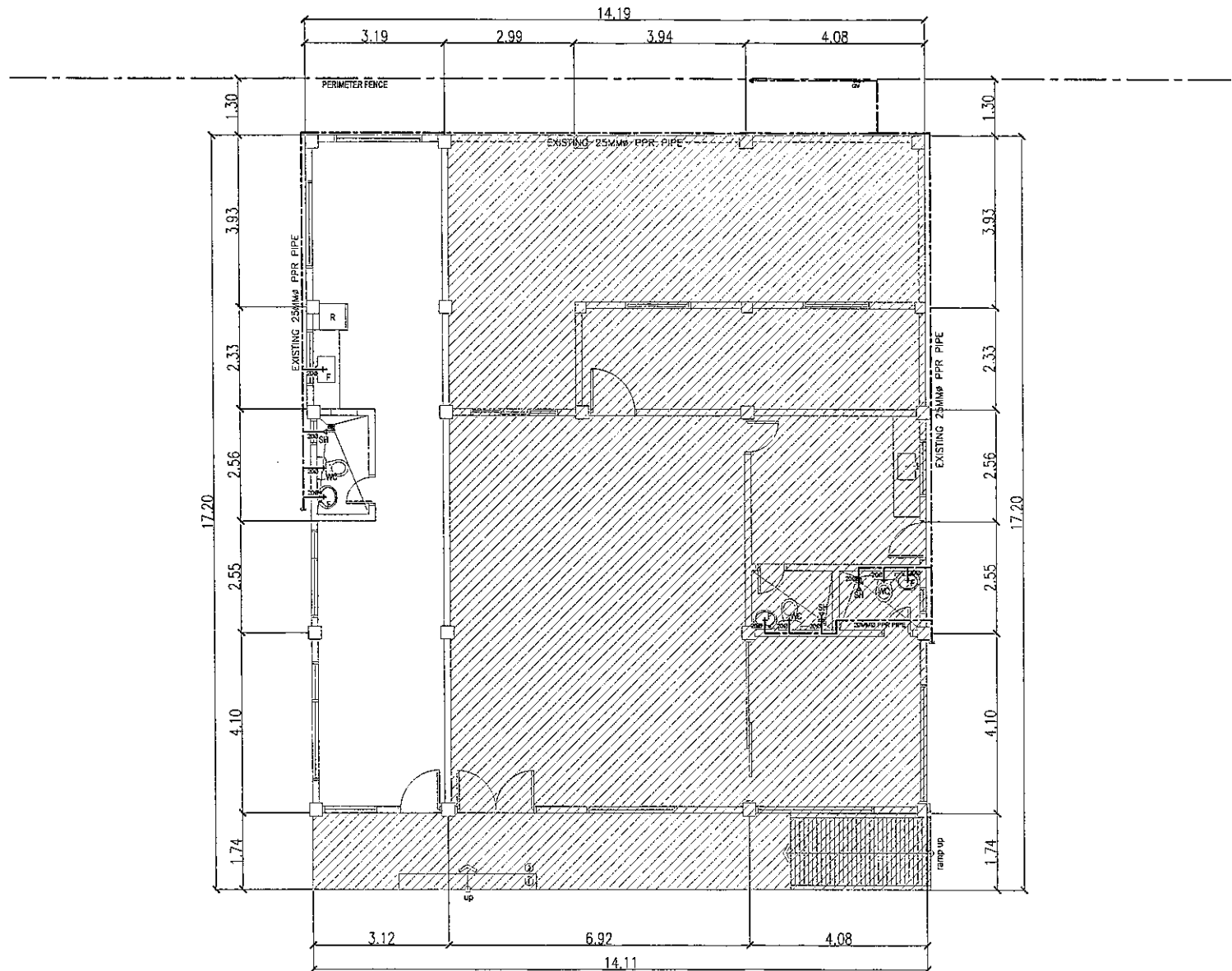
APPROVED:
 EDGAR B. TABACON, CESO IV
 REGIONAL DIRECTOR
 DATE

SET NO.	SHEET NO.
P 2	25 34



1 PROPOSED WATER SUPPLY LAYOUT
P - 3 SCALE: 1:100 MTS.

 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, BAYAS, 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	PROPOSED WATER SUPPLY LAYOUT	 FRANCIS JOSEPH L. BADINO ENGINEER-III 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: _____	<table><tr><td>P</td><td>28</td></tr><tr><td>3</td><td>34</td></tr></table>	P	28	3	34	
	P	28										
3	34											
LOCATION: DPWH REGIONAL OFFICE VII, BAYAS, PALO LEYTE												



1 PROPOSED WATER SUPPLY LAYOUT
P - 4 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 WATER SUPPLY LAYOUT

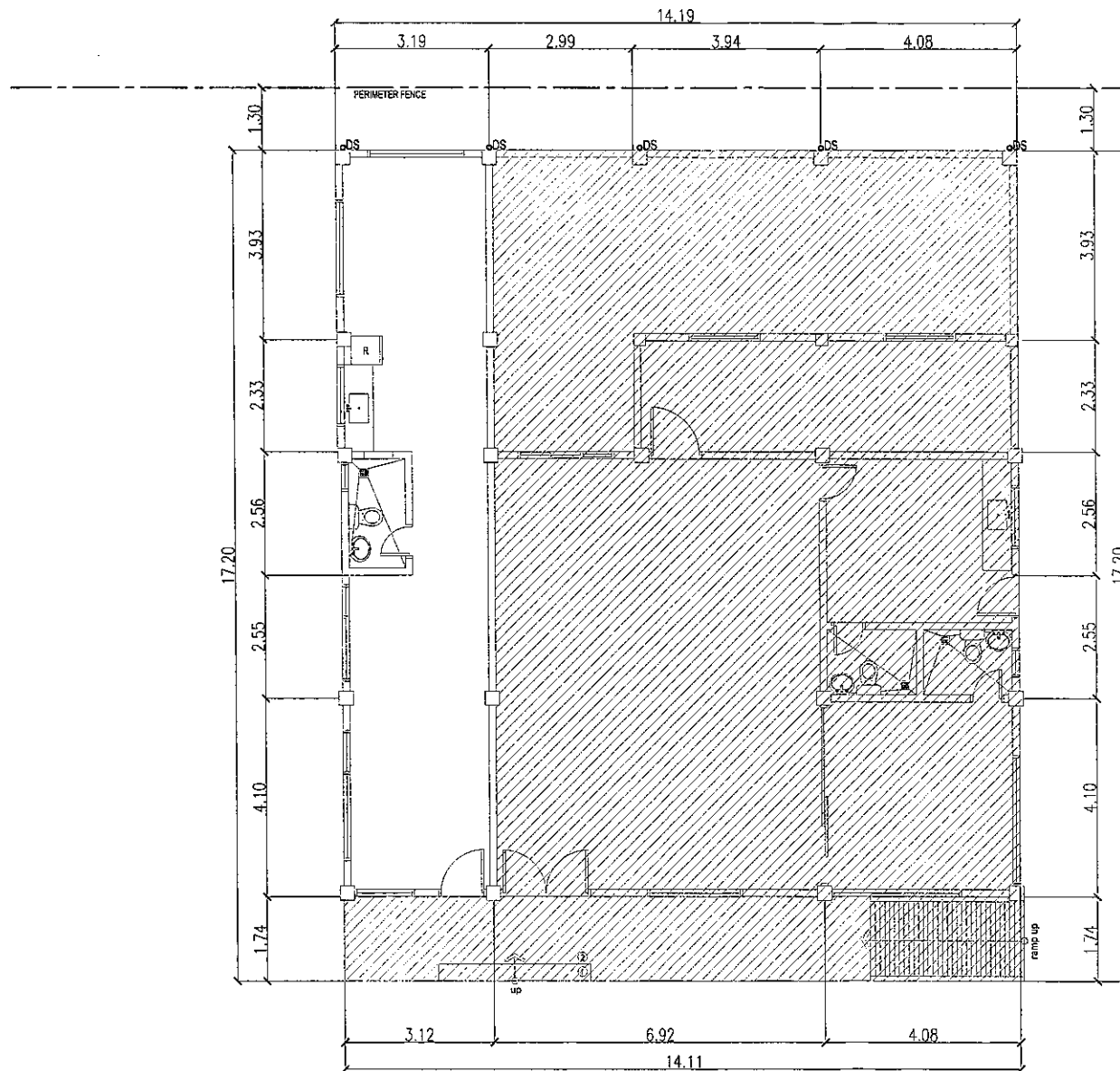
PREPARED:
 FRANCIS JOSEPH L. RADILLO
 ENGINEER-I
 DATE: _____

SUMMITTED:
 LUCAS N. BARSAL
 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. SHEET NO.
 P 27
 4 5 34



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, SARAS, PALO LEYTE

PROJECT TITLE:
 REPAIR/MAINTENANCE/IMPROVEMENT OF
 DPHW BUILDING
 TECHNICAL WORKING GROUP (TWG) BUILDING
 LOCATION: DPHW REGIONAL OFFICE VIL, SARAS, PALO LEYTE

SHEET CONTENTS:
 PROPOSED STORM SEWER LAYOUT

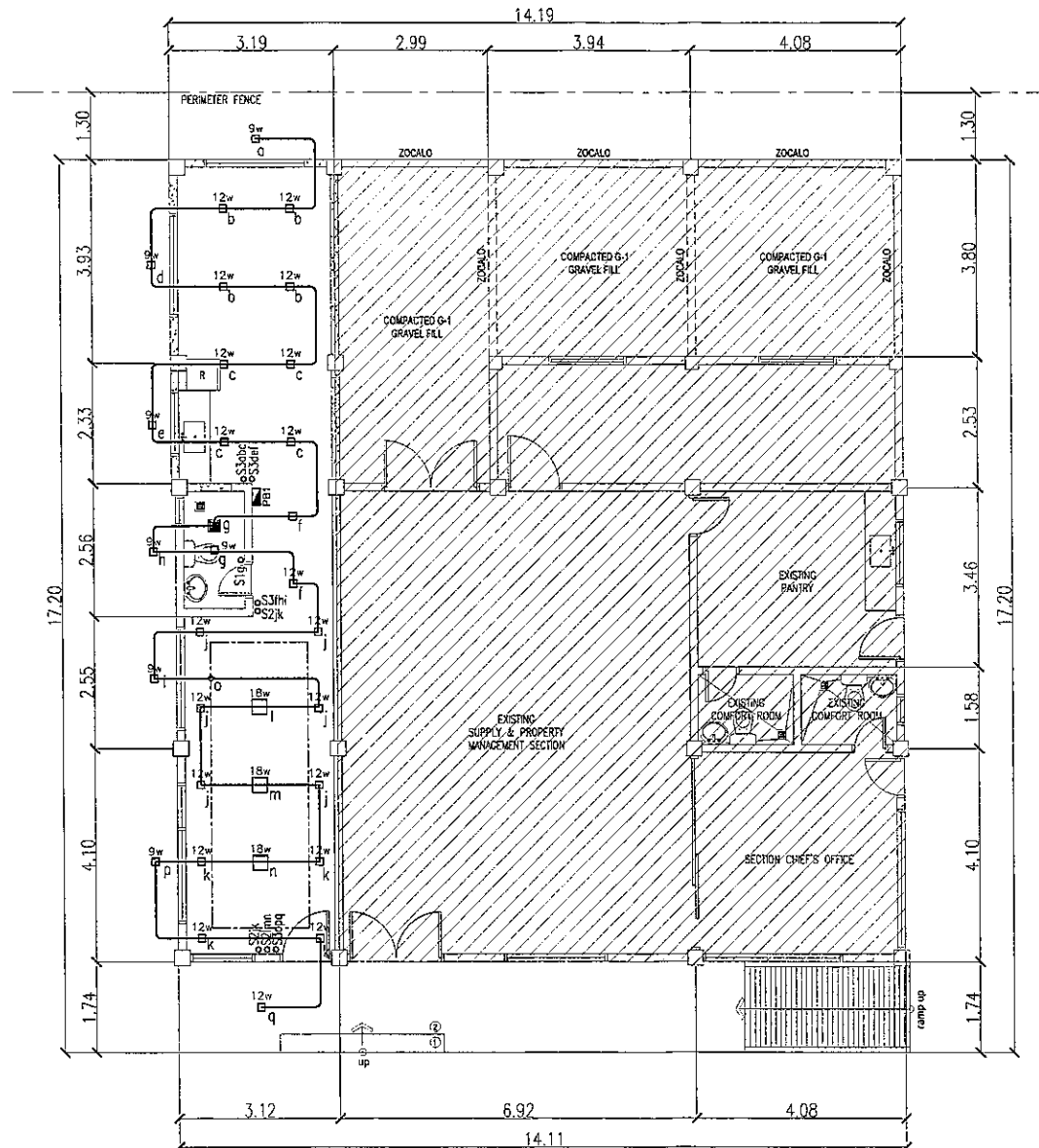
PREPARED:
 FRANCIS JOSEPH L. MADILLAS
 ENGINEER-II
 DATE: _____

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

RECOMMENDED FOR APPROVAL:
 MA. MAYGARITA A. JUNIA, D.M.
 ASSISTANT REGIONAL DIRECTOR
 DATE: _____

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

SET NO. SHEET NO.
 P 28
 S 5 34

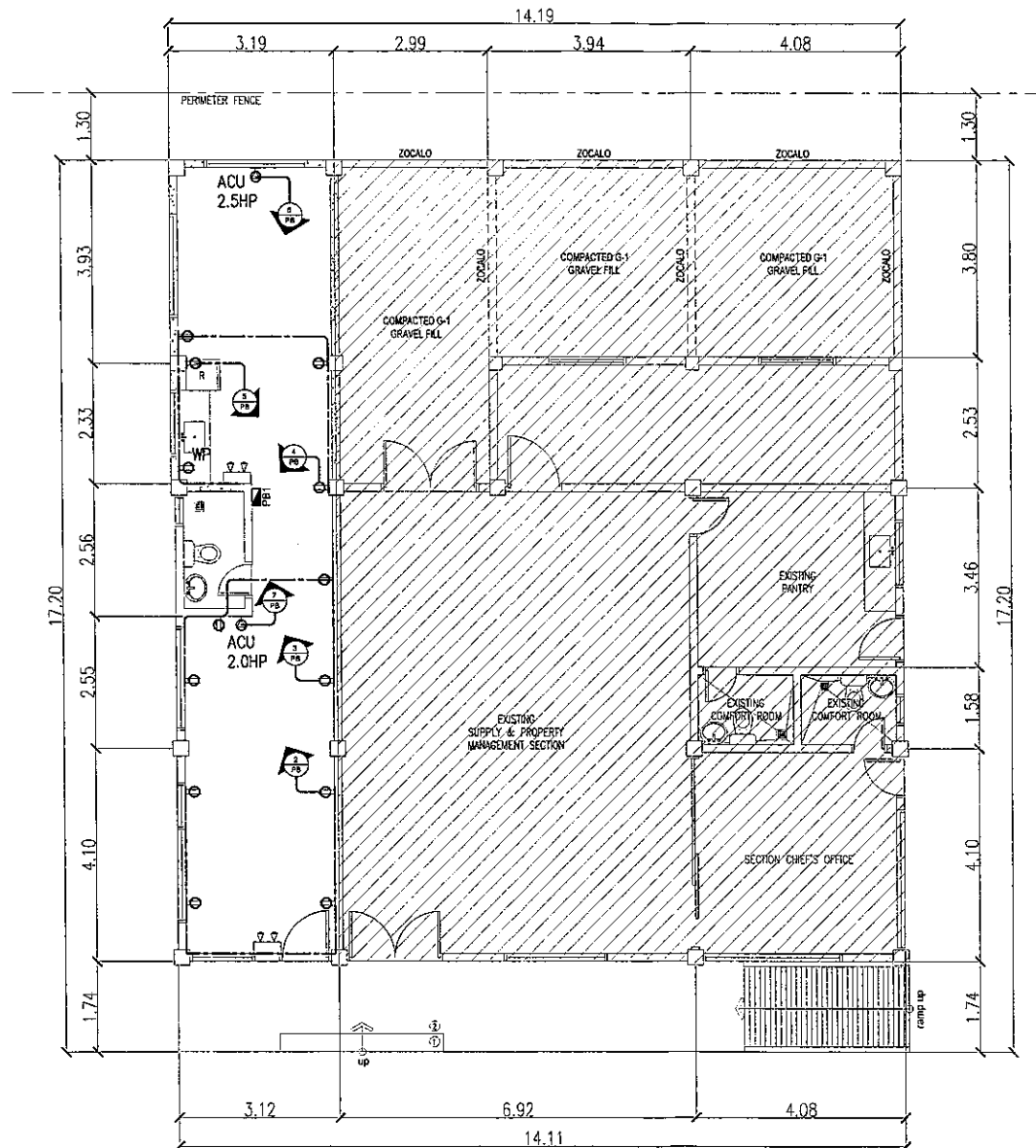


1 GROUND FLOOR LIGHTING LAYOUT
E-1 SCALE: 1:100 MTS.



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	 ZYNIA O. SOLIDOR ENGINEER-II	 LUCAS N. BACSAV CHIEF, MAINTENANCE DIVISION	 MA. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR	 EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	E 1/3	29 34
LOCATION: DPWH REGIONAL OFFICE VIII, BARAS, PALO LEYTE		DATE	DATE	DATE	DATE		



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 LAYTE

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 DATE: _____	 LUCAS N. BACSAI CHIEF, MAINTENANCE DIVISION DATE: _____	 MA. MARGARITA L. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR DATE: _____	 EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR DATE: _____	E 2	30 34
LOCATION: DPWH REGIONAL OFFICE VII BARAS, PALO LAYTE							

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

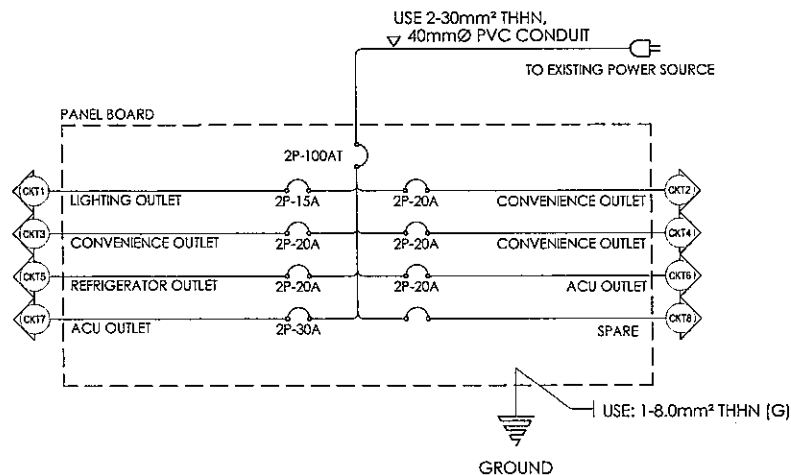
BREAKER : 100AF, 2 POLE, 230V, 100AT CIRCUIT BREAKER

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:

A. ELECTRICAL CONDUITS	
IMC	
EMT	
PVC	
B.1. POWER WIRE & CABLES	
B.2. TELEPHONE & CABLE TV CABLES	
C. ELECTRICAL PANEL	
ENCLOSURE & ELEMENTS	
BREAKERS, COMMON INTERNAL TRIP	
D. WIRING DEVICES	
E. LAMPS, LED	
F. LIGHT FIXTURE HOUSING	
G. LAMP HOLDERS, SPRINGS LOADED TYPE	
H. 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

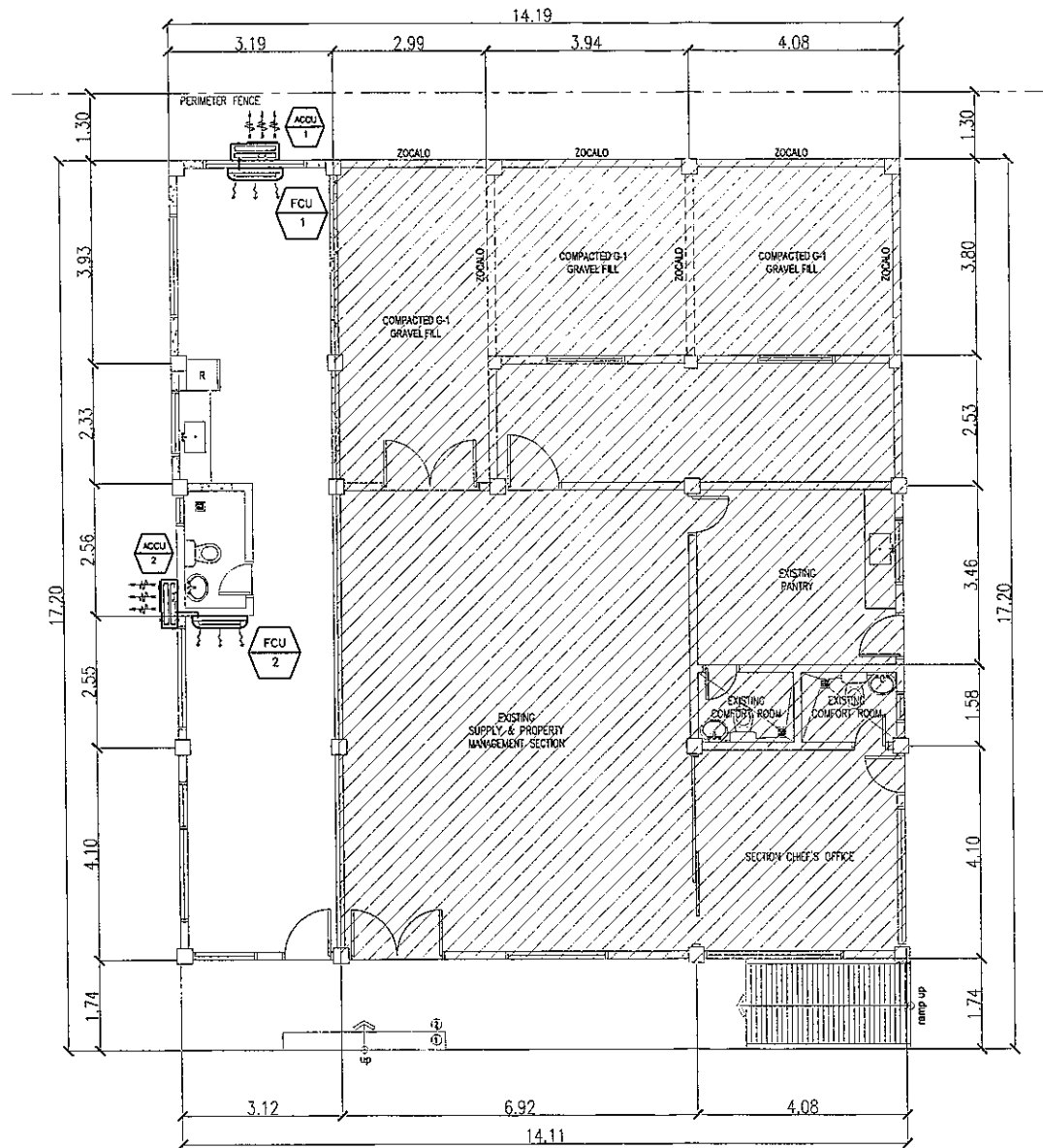
PREPARED:
ZYNAL Q. SOLIDOR
ENGINEER-4
DATE:

SUBMITTED:
LUCAS N. BACAL
CHIEF, MAINTENANCE DIVISION
DATE:

RECOMMENDED FOR APPROVAL:
MA. MARGARITA C. JUNIA, D.M.
ASSTANT REGIONAL DIRECTOR
DATE:

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

SET NO. 31
SHEET NO. 34

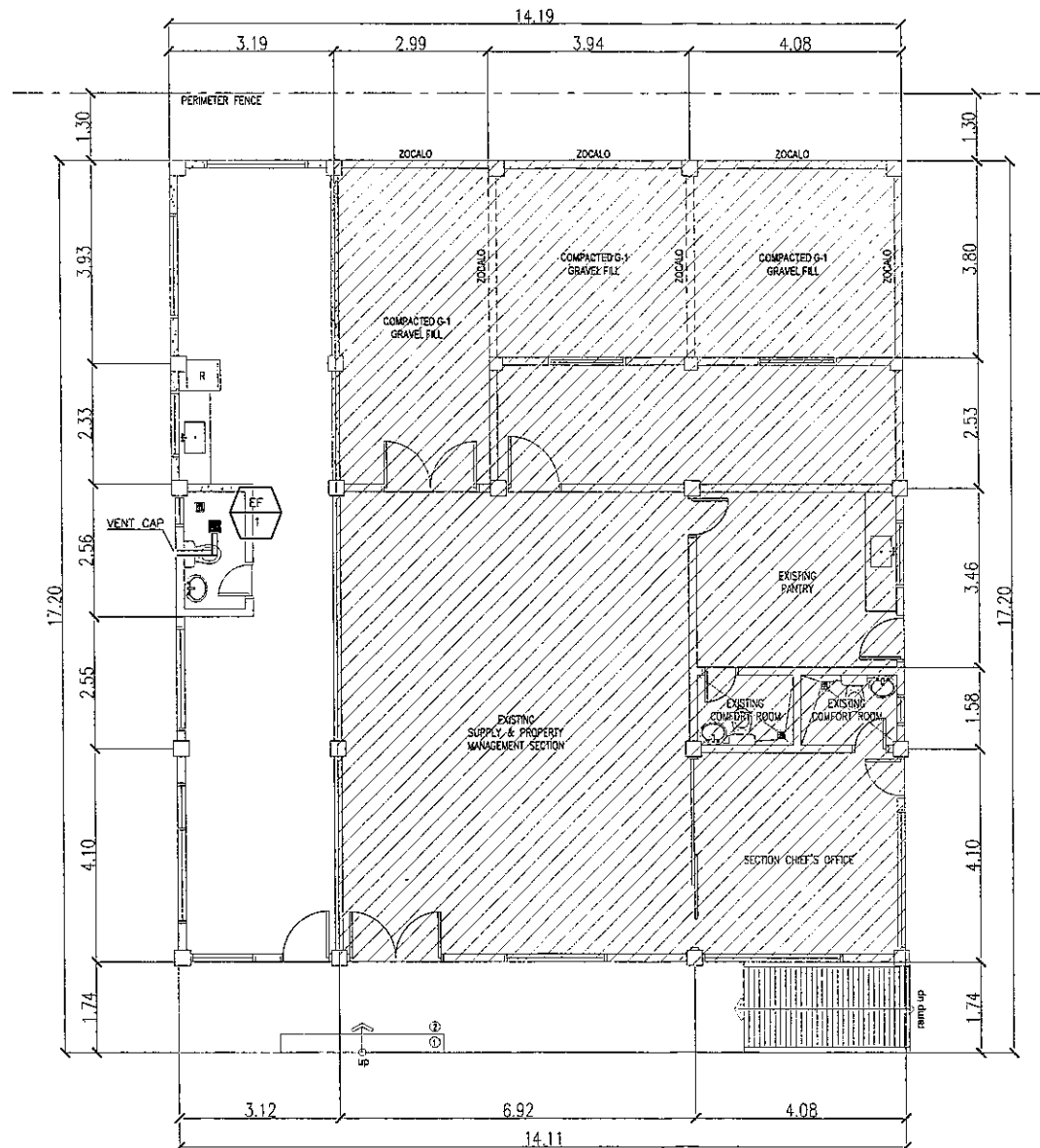


1 GROUND FLOOR LIGHTING LAYOUT
E - 1 SCALE: 1:100 MTS.



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	<i>[Signature]</i> EYANIL O. SOLIDOR ENGINEER-II	<i>[Signature]</i> LUCAS N. BACSA CHIEF, MAINTENANCE DIVISION	<i>[Signature]</i> MA. MARGARITA S. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR	<i>[Signature]</i> EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	M 1 3	32 34
LOCATION: DPWH REGIONAL OFFICE VII, BARAS, PALO LEYTE		DATE	DATE	DATE	DATE		

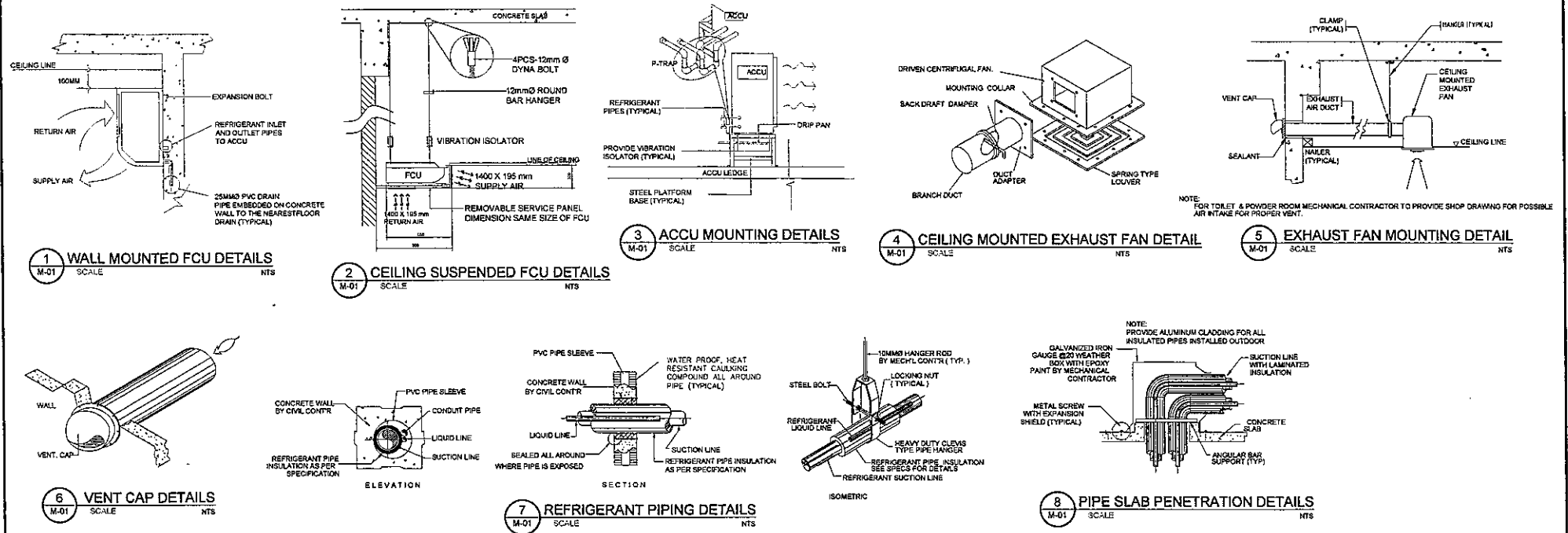


1
E-1 **GROUND FLOOR LIGHTING LAYOUT**
SCALE: 1:100 MTS.



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 VIL BARAS, PALO LEYTE	SHEET CONTENTS: GROUND FLOOR LIGHTING LAYOUT	PREPARED: ZYNAL Q. SOLIDOR ENGINEER-II DATE	SUBMITTED: LUCAS R. BACAL CHIEF MAINTENANCE DIVISION DATE	RECOMMENDED FOR APPROVAL: MA. MARIANITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR DATE	APPROVED: EDGAR S. TABACON, CESO IV REGIONAL DIRECTOR DATE	SET NO. M 2 3	SHEET NO. 33 34
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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.

	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	 ZYMAL Q. SOLIDOR ENGINEER-R DATE:	 LUCAS N. BACSAL CHIEF, MAINTENANCE DIVISION DATE:	 MA. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR DATE:	 EDGAR B. YABACAN, CESO IV REGIONAL DIRECTOR DATE:		