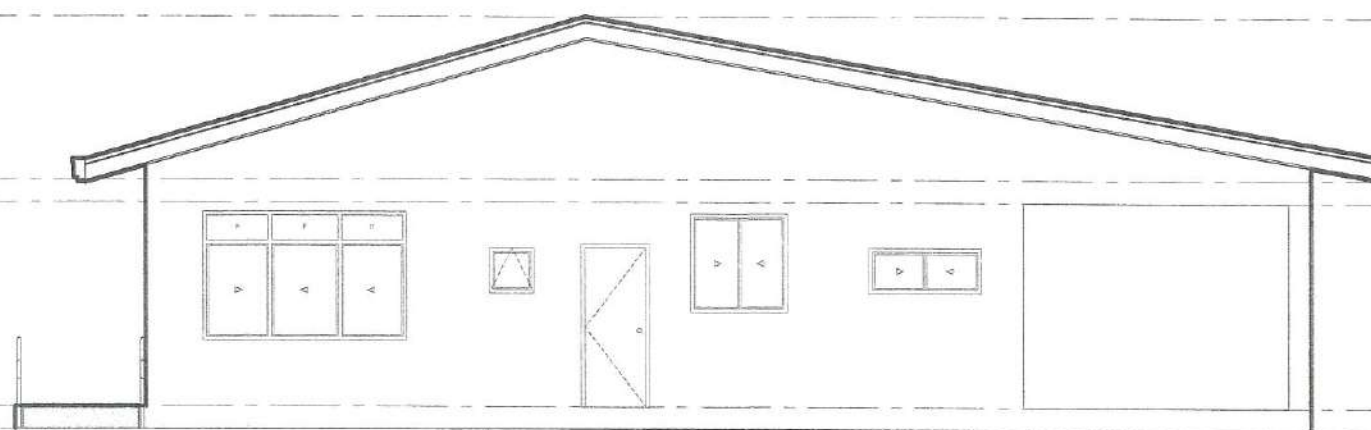


ROOF APEX-1
 2.15
 TOP OF ROOF BEAM
 0.30
 CEILING LINE
 5.15
 2.70
 GROUND FLOOR LINE
 0.30
 ROAD PAVEMENT FLOOR LINE



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, 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:

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
 8 17

SHEET NO.

12
 34

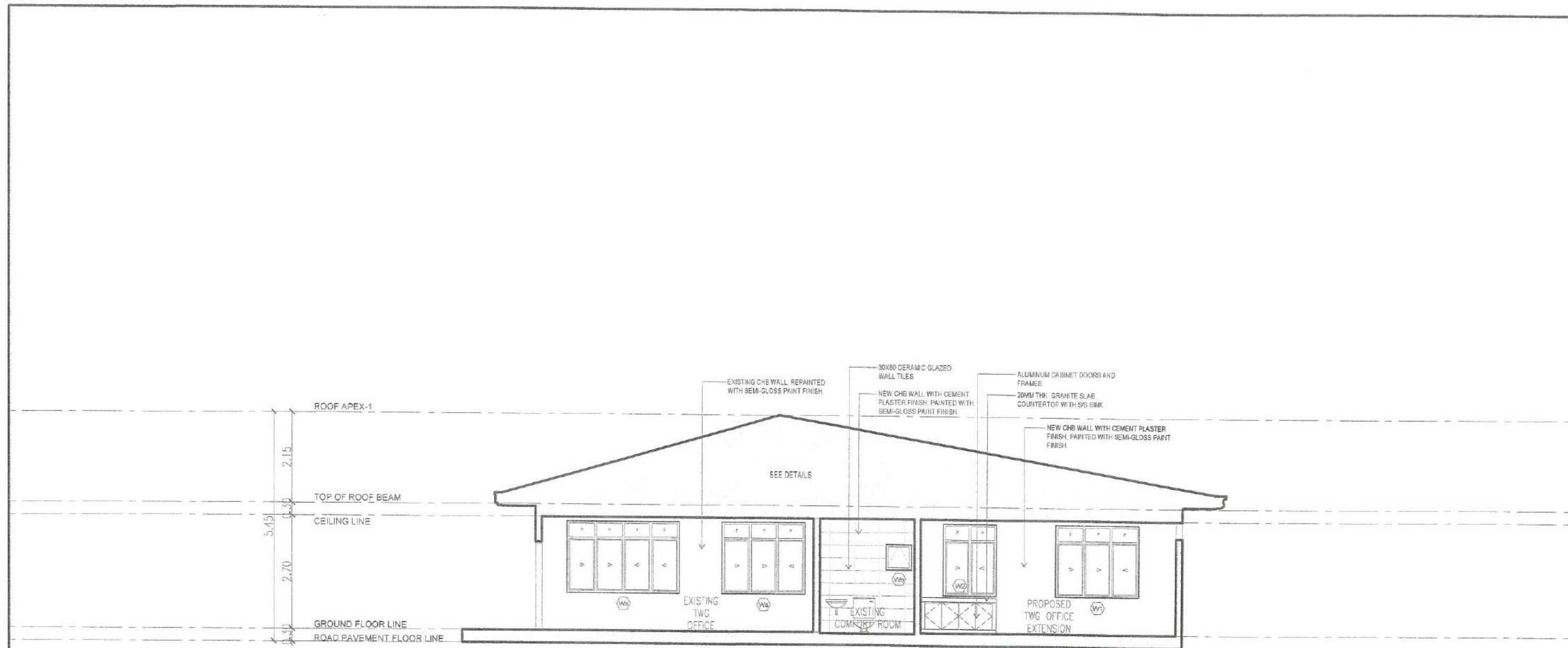


 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII GOVERNMENT CENTER, BARAS, PALO LEYTE	PROJECT TITLE:	SHEET CONTENTS:	PREPARED:	SUBMITTED:	RECOMMENDED FOR APPROVAL:	APPROVED:	SET NO.	SHEET NO.
	REPAIR/MAINTENANCE/IMPROVEMENT OF DPWH BUILDING, TECHNICAL WORKING GROUP (TWG) BUILDING	LEFT-SIDE ELEVATION	 <u>NOEL B. BALINA</u> ARCHITECT - II	 <u>LUCAS N. BACSAI</u> CHIEF, MAINTENANCE DIVISION	 <u>MA. MARGARITA C. JUNIA, D.M.</u> ASSISTANT REGIONAL DIRECTOR	 <u>EDGAR B. TABACON, CESO IV</u> REGIONAL DIRECTOR	A	13
	LOCATION: DPWH REGIONAL OFFICE VIII, BARAS, PALO LEYTE		DATE:	DATE:	DATE:	DATE:	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, 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 LOCATION: DPWH REGIONAL OFFICE VII, BARAS, PALO LEYTE	LONGITUDINAL SECTION	NOEL B. BALINA ARCHITECT - 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:	A 11 17	14 34



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: REPAIR/MAINTENANCE/IMPROVEMENT OF DPWH BUILDING, TECHNICAL WORKING GROUP (TWG) BUILDING LOCATION: DPWH REGIONAL OFFICE VIII, BARAS, PALO LEYTE	SHEET CONTENTS: CROSS SECTION	PREPARED: <i>MLB</i> NOEL S. BALINA ARCHITECT- II DATE	SUBMITTED: <i>Lucas</i> LUCAS N. BAOSAL CHIEF, MAINTENANCE DIVISION DATE	RECOMMENDED FOR APPROVAL: <i>M.A. Margarita</i> M.A. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR DATE	APPROVED: <i>Edgar</i> EDGAR S. TABAÇON, CESO IV REGIONAL DIRECTOR DATE	SET NO. SHEET NO. A 15 12 17 34
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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.



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:
SCHEDULE OF DOORS & WINDOWS

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. 13 SHEET NO. 16
A 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: 1:60 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:
SCHEDULE OF DOORS & WINDOWS

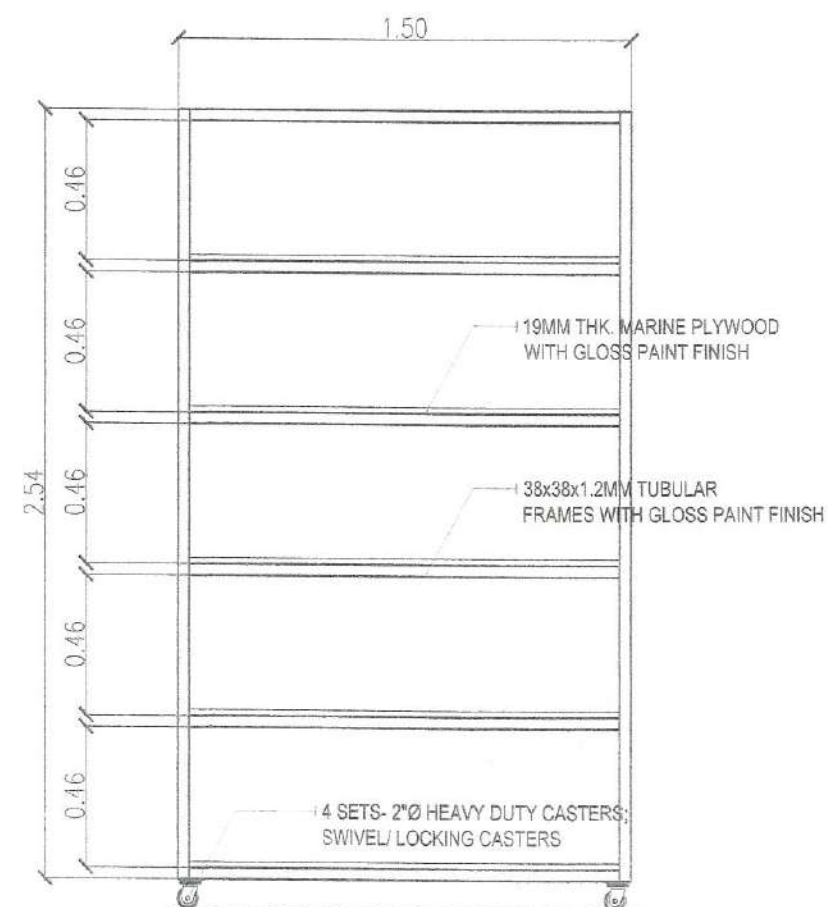
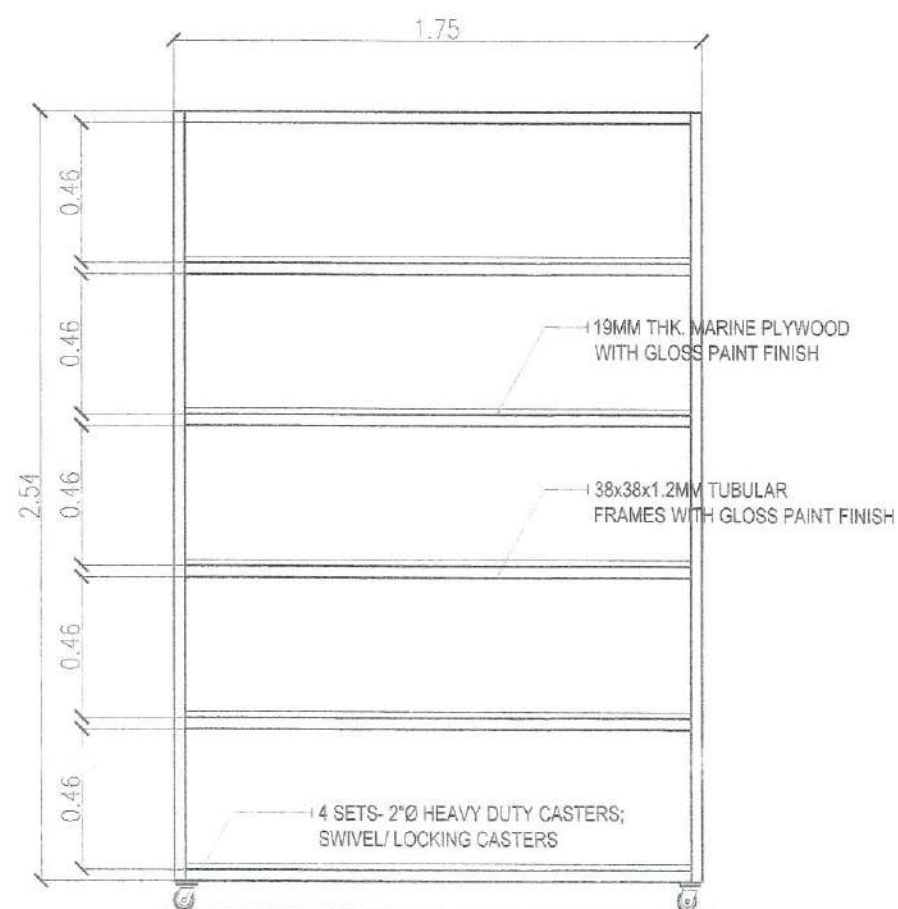
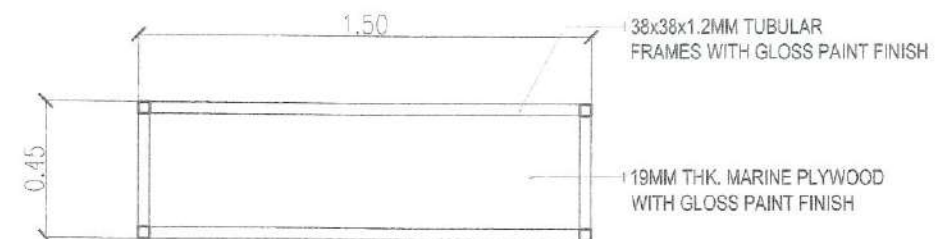
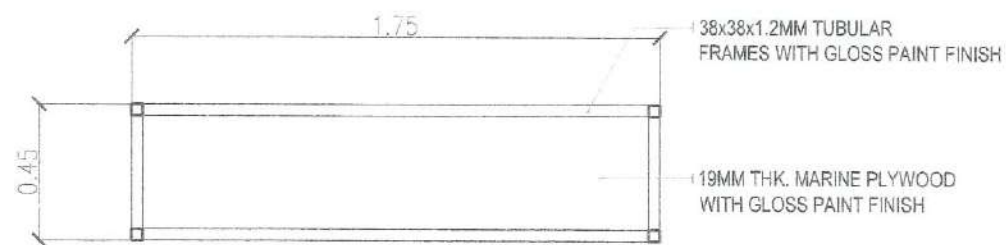
PREPARED:
NOEL B. BALIÑA
ARCHITECT-II
DATE:

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.
A 17
14 17 34



FILE SHELVES 01
1
A-15 DETAILS OF FILE SHELVES
SCALE: 1:25 MTS.

FILE SHELVES 02
2
A-15 DETAILS OF FILE SHELVES
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 VIII, BARAS, PALO LEYTE

SHEET CONTENTS:
DETAILS OF FILE SHELVES 01
DETAILS OF FILE SHELVES 02

PREPARED:
NOEL B. BALINA
ARCHITECT-I
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.	SHEET NO.
A	18
15	34



Implementing Agency/ies: _____

Development Partner/s: _____

Contractor/Supplier: _____

Brief Description of Project: _____

Project Details :				Project Status			
Duration	Started	Target Date of Completion	Percentage of Completion	As of (Date)	Cost Incurred to Date	Date Completed	Remarks

For particulars or complaints about this project, please contact the Regional Office or Cluster which has audit jurisdiction on this project.

COA Regional Office No./Cluster: _____
Address: _____
Contact No. _____ or Text COA Citizen's Desk at 0915-5391957

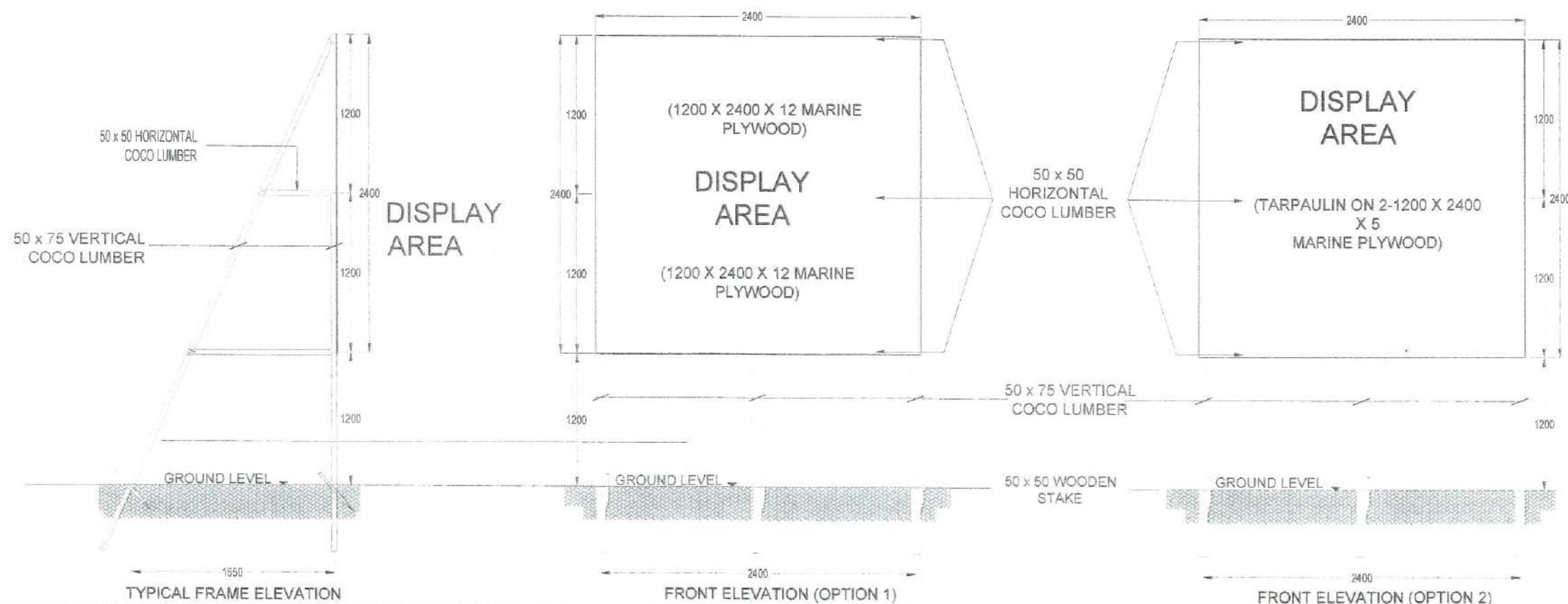
Commission on Audit
Regional Office/Cluster
Consolidated Quarterly Report on Government Projects/Programs/Activities
For the _____ Quarter, CY _____

[illegible]

Submitted by :

Regional/Cluster Director

COA STANDARD PROJECT BILLBOARD



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, BANGAS, PALO LEYTE

SHEET CONTENTS:
COA STANDARD PROJECT BILLBOARD

PREPARED:

MSK
NOEL B. BALINA
ARCHITECT - II

SUBMITTED:

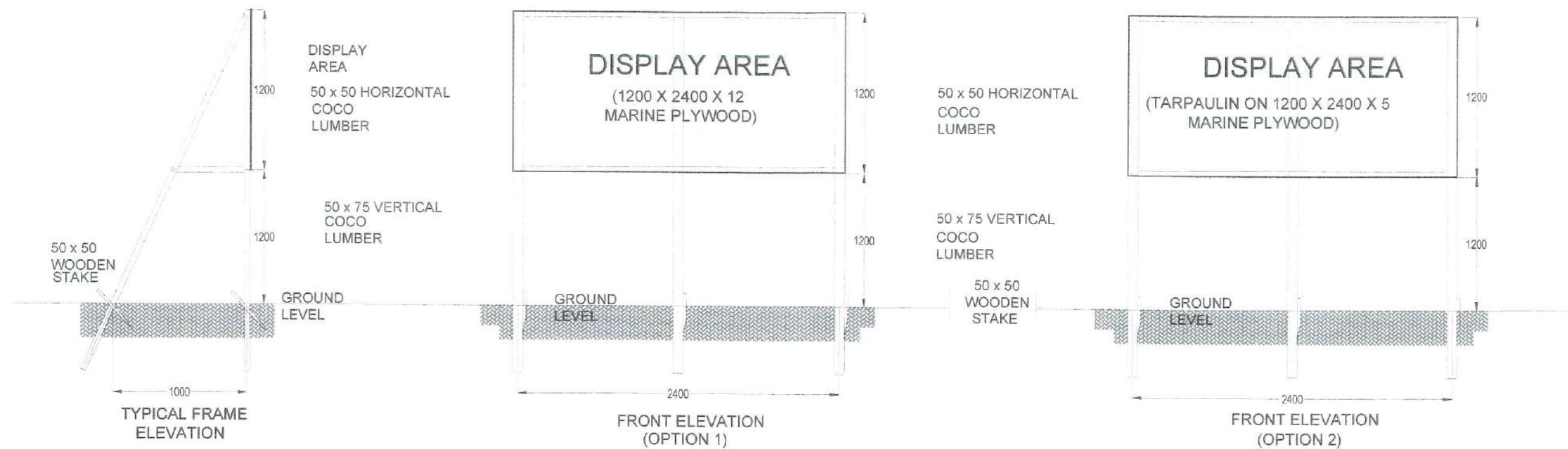
LUCAS N. BACSAI
CHIEF, MAINTENANCE DIVISION
DATE:

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

APPROVED: _____

EDGAR B. TABACON, CESO IV
REGIONAL DIRECTOR

	SET NO	SHEET NO
		



PROJECT BILLBOARD FRAME-1

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
www.dpw.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, 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 LOCATION: DPWH REGIONAL OFFICE VIII, BARAS, PALO LEYTE	DPWH STANDARD PROJECT BILLBOARD	 NOEL B. BALINA ARCHITECT - II	 LUCAS N. BACSA CHIEF, MAINTENANCE DIVISION	 MA. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR	 EDGAR B. TABACON, CESO IV REGIONAL DIRECTOR	A 17 17	20 34

GENERAL CONSTRUCTION NOTES

A. GENERAL

- UNLESS INDICATED OTHERWISE, ALL DIMENSIONS, DISTANCES AND SIZES ARE IN MM.
- INDICATED DIMENSIONS SHALL GOVERN OVER SCALED DIMENSIONS. SCALED DIMENSIONS SHALL BE USED FOR CONSTRUCTION PURPOSES.
- CONSTRUCTION NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL DRAWINGS WHENEVER APPLICABLE. UNLESS OTHERWISE SHOWN OR NOTED, MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITION.
- 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.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN. CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS PIPE SLEEVES, ETC., TO BE EMBEDDED IN CONCRETE.
- 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.
- ALL STRUCTURAL WORKS SHALL BE EXECUTED IN ACCORDANCE WITH THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES VOL. 1 (NSCP).
- ANY DISCREPANCY RELATED TO SITE, DRAWINGS, CONTRADICTIONS, OR LACK OF INFORMATION SHALL BE CLARIFIED WITH NAWER 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

- 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).
- ALL CONCRETE (CEMENT TYPE V) SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS W/ 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)

- ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 40 FOR DIAMETER 16mm & SMALLER BARS AND GRADE 60 FOR DIAMETER 20mm AND LARGER BARS.
- EPOXY COATED REBARS SHALL BE USED ON FOUNDATION, PEDESTAL, AND OTHER STRUCTURAL MEMBERS EXPOSED TO WEATHER.
- IN GENERAL THE LATEST EDITION OF ACI-315, MANUAL OF STANDARD PRACTICE DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE SHOWN OR NOTED.
- MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS:

LOCATION	MIN. COVER
SUSPENDED SLABS	3/4 in (19 mm)
SLAB ON GRADE	1 1/2 in (38 mm)
WALLS ABOVE GRADE	1 in (25 mm)
BEAM STIRRUPS AND COLUMN TIES	1 1/2 in (38 mm)
WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS	2 in (50 mm)
WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH	3 in (75 mm)

- SPICES SHALL BE SECURELY WIRED TOGETHER & SHALL LAP OR EXTEND IN ACCORDANCE W/ TABLE OF LAP SPICE & ANCHORAGE LENGTH UNLESS OTHERWISE SHOWN ON DRAWINGS. SPICES SHALL BE STAGGERED WHENEVER POSSIBLE.
- ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED & SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
- CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOOLS, EQUIPMENT AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
- STRIPPING OF FORMS AND SHORES:

LOCATION	MIN. STRIPPING TIME
FOUNDATION	24 HOURS
WALLS, COLUMNS, SIDES OF BEAMS AND GIRDERS, AND SLABS ON GRADE	24 HOURS
SUSPENDED SLABS EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	8 DAYS
BEAM AND GIRDERS	14 DAYS

C. CAMBER REQUIREMENTS

- 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.
- UNLESS OTHERWISE NOTED ON THE PLANS OR SPECIFICATIONS, CAMBER ALL RC SLABS 8mm FOR EVERY 3000mm OF SHORTER SPAN AND 14mm FOR EVERY 2000mm OF CANTILEVER SPAN.

D. MASONRY AND CONCRETE BLOCKS

- 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 6.90 MPa SHALL BE DEVELOPED.
- PROVIDE 1-#16 EXTRA VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS, AND EACH SIDE OF OPENINGS AS SHOWN.
- LINTEL BEAMS SHALL BEAR AT LEAST 8 INCHES (200 MM) ON EACH SIDE OF MASONRY WALL OPENING.
- REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 30 BAR DIAMETER WHERE SPICE DOWELS FROM FOOTING OR SLABS SHALL EXTEND INTO THE BLOCK WALL A MINIMUM OF 30 BAR DIAMETER, AND DOWELS TO MATCH.
- ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOUDLY FILLED WITH CONCRETE GROUT.
- WALL REINFORCEMENTS SHALL BE AS FOLLOWS:

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

FOUNDATION

- 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.
- FOUNDATION SHALL REST ON NATURAL SOIL UNLESS OTHERWISE NOTED BY THE ENGINEER. NO PART OF THE FOUNDATION SHALL REST ON FILL.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER FOOTING EXCAVATION HAVE BEEN COMPLETED AND PRIOR TO CONCRETING TO CONFIRM THE DESIGN SOIL BEARING CAPACITY.
- THE CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING, AND SHORING NECESSARY TO SAFELY RETAIN EXCAVATION AND EARTH BANKS.
- ALL ON-SITE WORKS SHALL BE AS PER THE RECOMMENDATION OF THE PROJECT SOIL ENGINEER.
- PIILING, IF ANY, SHALL BE CONDUCTED WITH MINIMUM DISTURBANCE TO ADJACENT PROPERTIES.

F. STRUCTURAL STEEL

- UNLESS OTHERWISE INDICATED IN THE PLANS, STRUCTURAL STEEL AND PLATES SHALL CONFORM TO ASTM-A36. CERTIFIED MILL TEST SHALL BE SUBMITTED BY THE FABRICATOR.
- SUBMIT SHOP DRAWINGS FOR APPROVAL BY STRUCTURAL ENGINEER PRIOR TO FABRICATION.
- 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, COPES AND CUTS.
- ALL CONNECTIONS, SPICES, SIZES OR THICKNESS OF STRUCTURAL STEEL COMPONENTS SUCH AS BASE PLATES, CLEATS, STIFFENERS, ETC., SHALL COMPLY WITH DETAILS SHOWN ON DRAWINGS.
- 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 WHEREVER NECESSARY TO TAKE 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.
- WELDING ELECTRODES AND FLUXES SHALL CONFORM WITH THE AWS SPECIFICATIONS. MANUFACTURER'S CERTIFICATION SHALL CONSTITUTE SUFFICIENT EVIDENCE OF CONFORMITY WITH THE SPECIFICATIONS. E60 OR E70 ELECTRODES SHALL BE USED UNLESS OTHERWISE SPECIFIED BY THE STRUCTURAL ENGINEER.
- 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.
- 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.
- ALL DIMENSIONS IN THE PLANS SHALL BE VERIFIED BY THE STEEL FABRICATOR IN THE FIELD IN COORDINATION WITH THE GENERAL CONTRACTOR.
- UNLESS OTHERWISE SPECIFIED IN THE PLANS, GUSSET PLATES AND STIFFENERS SHALL BE 6mm THK (MIN).
- ALL SPICES SHALL BE STAGGERED. NO SPICE SHALL BE PERMITTED AT POINTS WHERE CRITICAL STRESSES OCCUR. SPICE PLATES SHALL HAVE MINIMUM LENGTH OF 300mm.
- ALL BEARING PLATES SHALL HAVE A MINIMUM THICKNESS OF 10mm.
- ALL ERECTION BOLT HOLES SHALL BE 3mm PLUS NOMINAL BOLT DIAMETER.
- ALL CUTTING SHALL BE NEAT CUT.
- SURFACE PREPARATION: DEPENDING ON THE CONDITION OF STEEL, BRUSH OFF OR SANDBLAST AWAY ALL FURUS & RUST. APPLY RUST CONVERTER IF SO DIRECTED BY THE CONSTRUCTION MANAGER.
- 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 100mm HIGH LABELS.
- 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.

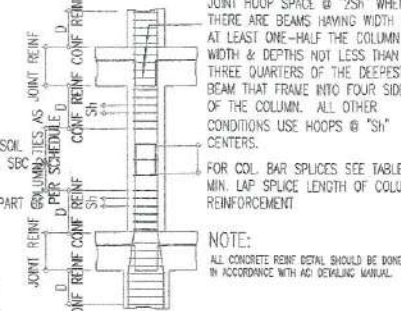
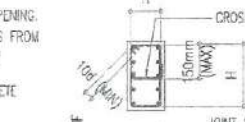
PROFESSIONAL LIABILITY NOTE:

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

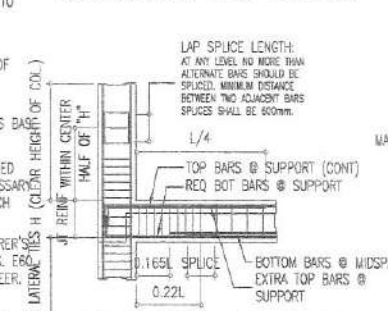
ANY DEVIATION OR MISINTERPRETATION FOUND DURING CONSTRUCTION AND ON THE ACTUAL CONSTRUCTION STRUCTURE FROM THESE PLANS AND SPECIFICATIONS SHALL MEAN AUTOMATIC TERMINATION OF PROFESSIONAL RESPONSIBILITY AND LIABILITY OF THE SIGNING ENGINEER AND THE COMPANY.

NOTES:

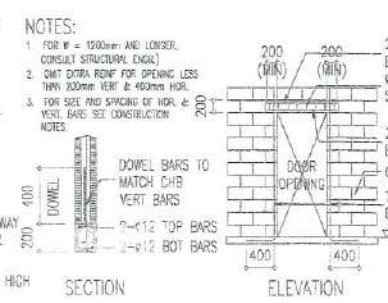
- YIELD STRESS OF HOOPS $f_y = 40ksi$ (275 MPa) SHALL BE ALLOWED WITHIN THIS ZONE, TYP.
- D = USE MAXIMUM COLUMN DIMENSION, 1/6 CLEAR HEIGHT, 450mm WHICHEVER IS GREATER.
- NUMBER OF HOOP TIES SAME AS PER COLUMN TIES SCHEDULE.
- ALL CONCRETE REINFORCEMENT DETAIL SHOULD BE DONE IN ACCORDANCE WITH ACI DETAILING MANUAL.



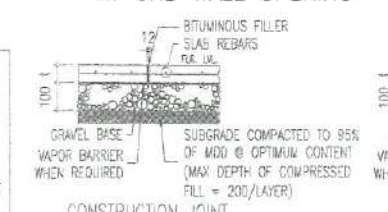
TYPICAL COLUMN ELEV. SHOWING DOWELS AND TIES SPACING



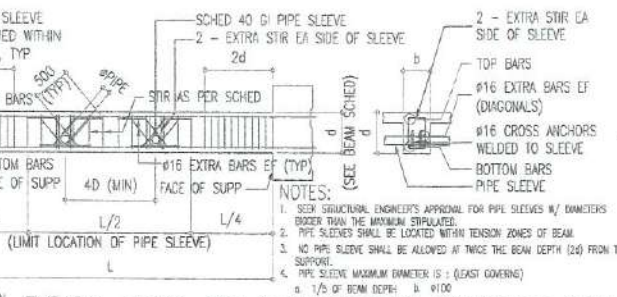
TYPICAL DETAIL OF COLUMN LAP SPICE & GIRDER TO COLUMN CONNECTION



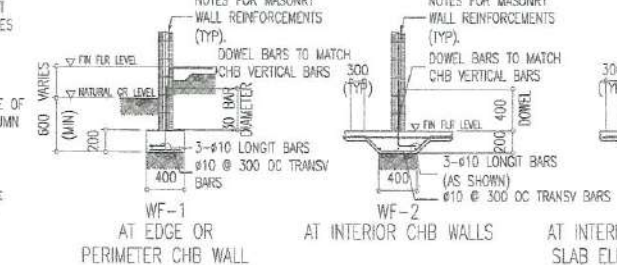
TYPICAL DETAIL OF LINTEL BEAM AT CHB WALL OPENING



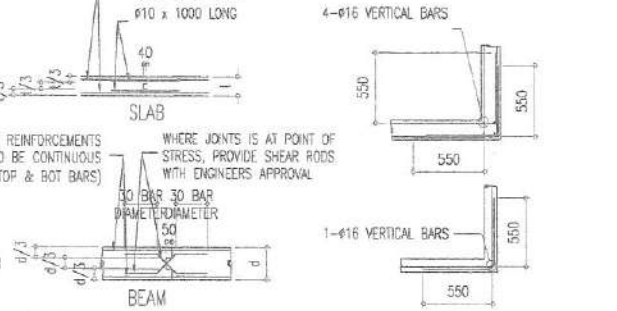
TYPICAL SLAB-ON-GRADE DETAIL



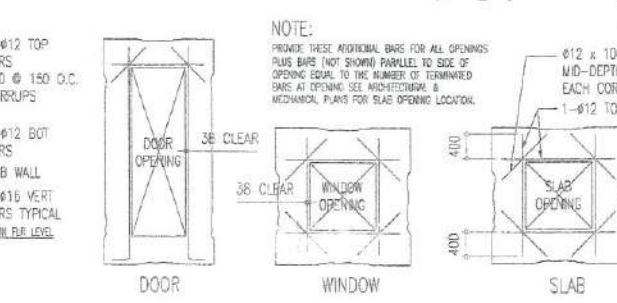
TYPICAL DETAIL FOR SLEEVES THRU CONCRETE BEAM



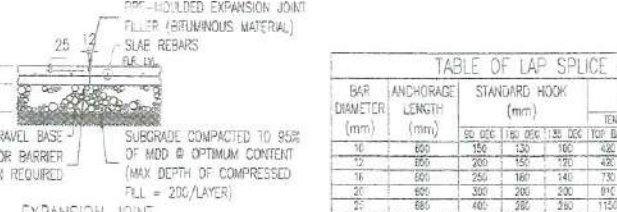
TYPICAL CHB FOOTING DETAILS (WHERE APPLICABLE)



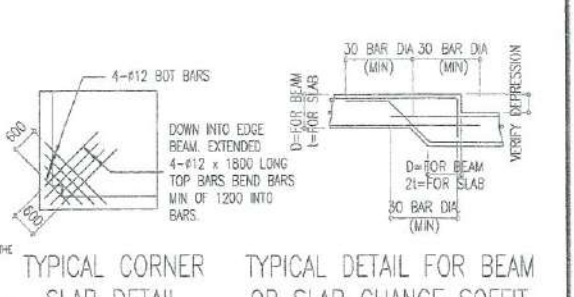
TYPICAL CONNECTION DETAIL OF RC WALL AT CORNERS



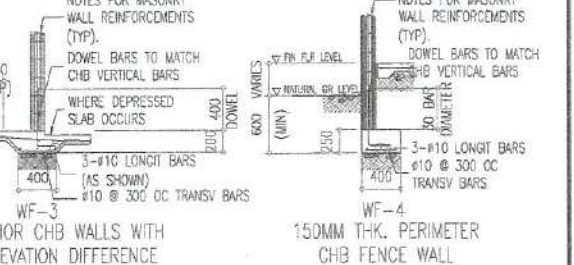
TYPICAL OPENING REINFORCEMENT DETAIL



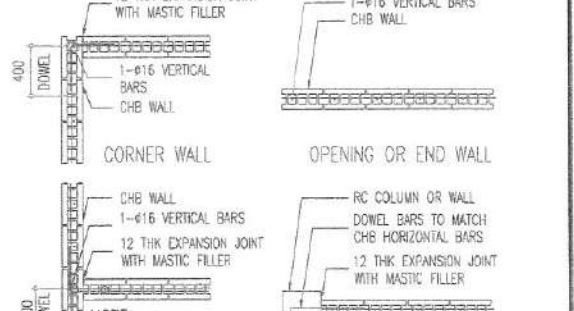
TYPICAL SECTION OF MASONRY PARTITION REINFORCEMENTS



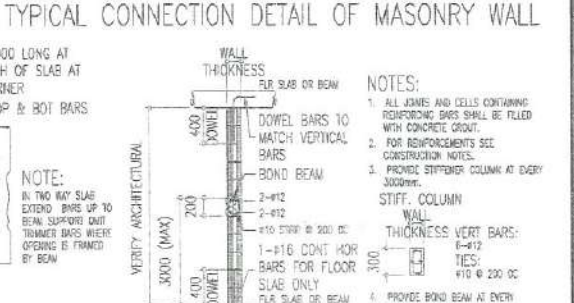
TYPICAL CORNER SLAB DETAIL



TYPICAL DETAIL FOR BEAM OR SLAB CHANGE SOFFIT



TYPICAL CONNECTION DETAIL OF MASONRY WALL



TYPICAL SECTION OF MASONRY PARTITION REINFORCEMENTS

TABLE OF LAP SPICE & ANCHORAGE LENGTH

BAR DIAMETER (mm)	ANCHORAGE LENGTH (mm)	STANDARD HOOK (mm)		LAP SPICE (mm)		MAX. LAP SPICE LENGTH OF 50 REIN. INDIVIDUAL SLABS	
		TOP BAR	BOTTOM BAR	TOP BAR	BOTTOM BAR	TOP BAR	BOTTOM BAR
10	150	150	150	150	150	150	150
12	180	180	180	180	180	180	180
16	200	200	200	200	200	200	200
20	250	250	250	250	250	250	250
25	300	300	300	300	300	300	300
32	350	350	350	350	350	350	350
40	400	400	400	400	400	400	400
50	450	450	450	450	450	450	450

- THE DEVELOPMENT LENGTH OF INDIVIDUAL BARS WITHIN A SINGLE IN TENSION OF COMPRESSION SHALL BE THAT FOR THE INDIVIDUAL BAR. INCREASED 25% FOR THREE-BAR SINGLE AND 50% FOR FOUR-BAR SINGLE.
- FOR COLUMNS AT ANY LEVEL NO MORE THAN ALTERNATE BARS SHOULD BE SPICED. NOT MORE THAN 33% OF THE BARS SHALL BE SPICED WITHIN THE REQUIRED LAP LENGTH. MINIMUM CLEARANCE BETWEEN TWO ALTERNATE BAR SPICES SHALL BE 300mm.
- TOP BARS AND VERTICAL BARS NOT MORE THAN 300mm DEPTH OF CONCRETE CAST BEFORE THE REINFORCEMENT.
- AS MUCH AS POSSIBLE, SPICES SUBJECTED TO TENSILE STRESSES ARE DISCOURAGED. THESE SHOULD BE AVOIDED OR PROVIDED WITH STANDARD HOOKS.



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GOVERNMENT CENTER, BARAS, PALO LEYTE

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

SHEET CONTENTS:
STRUCTURAL NOTES

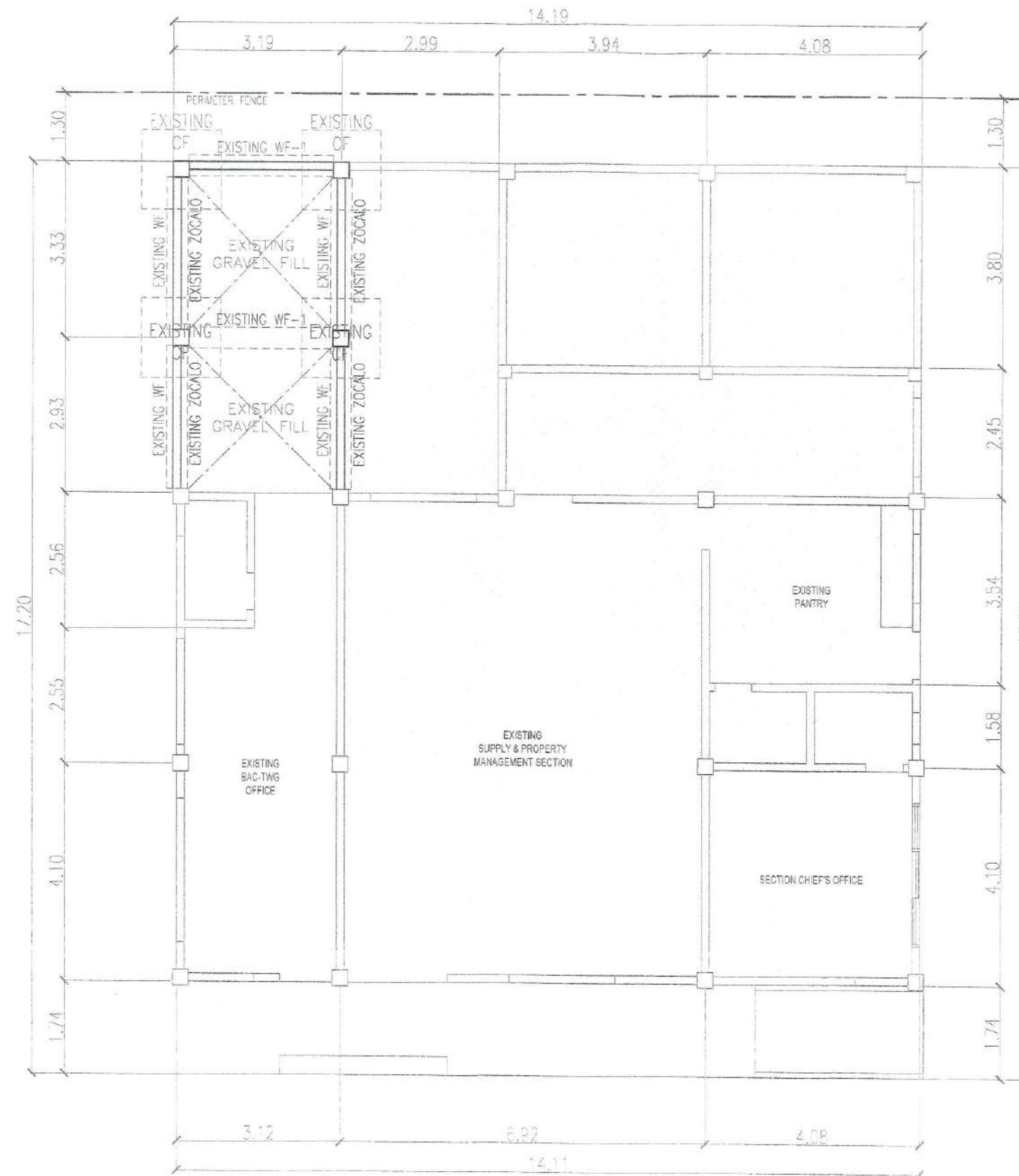
PREPARED:
LOUIE L. GUMBA
ENGINEER II
DATE

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

SHEET NO.
21
34



1 EXISTING FOUNDATION PLAN
S - 2 SCALE: 1:100 MTS.



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 EXISTING FOUNDATION PLAN

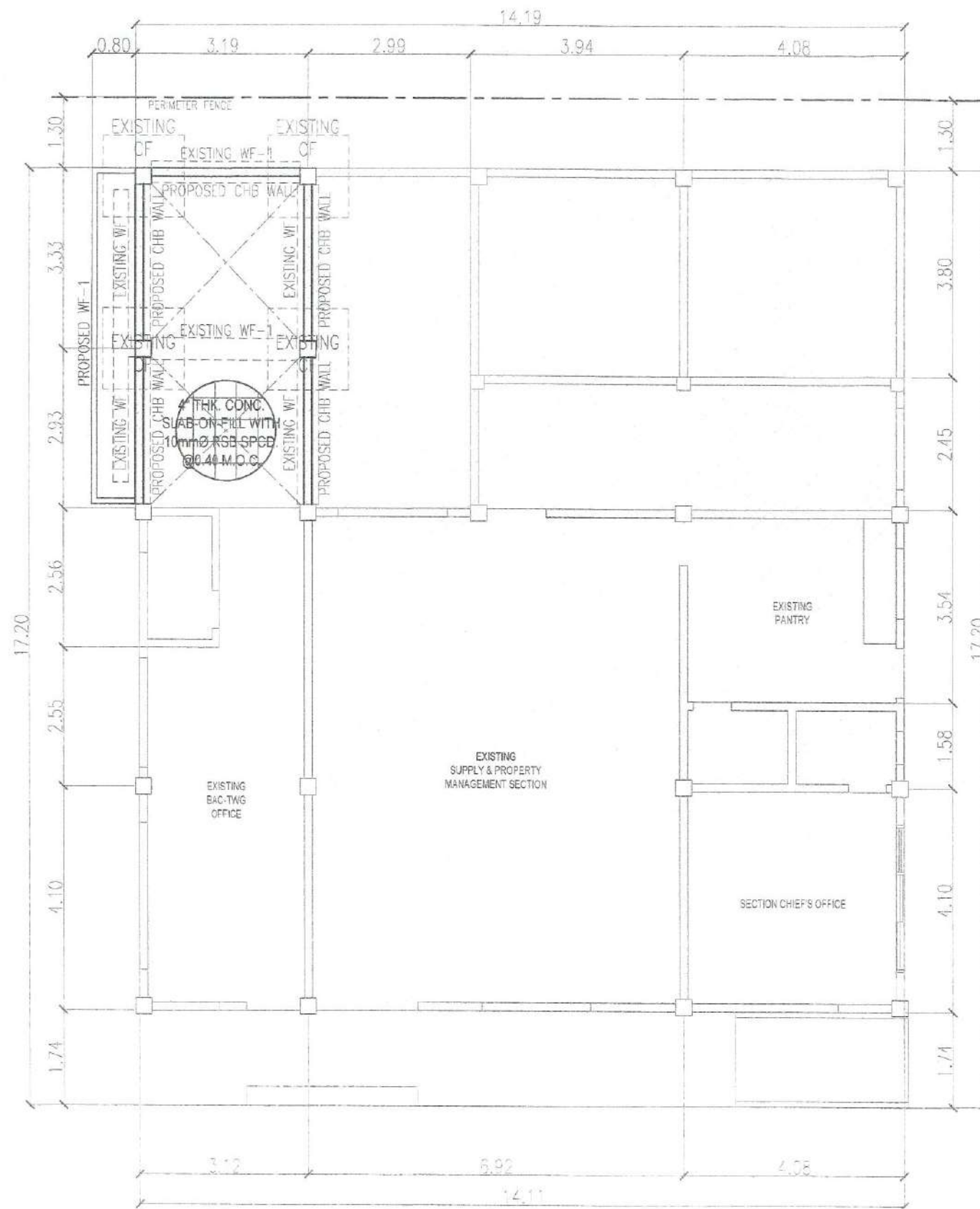
PREPARED:
 LOUIE L. GUMBA
 ENGINEER
 DATE: _____

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

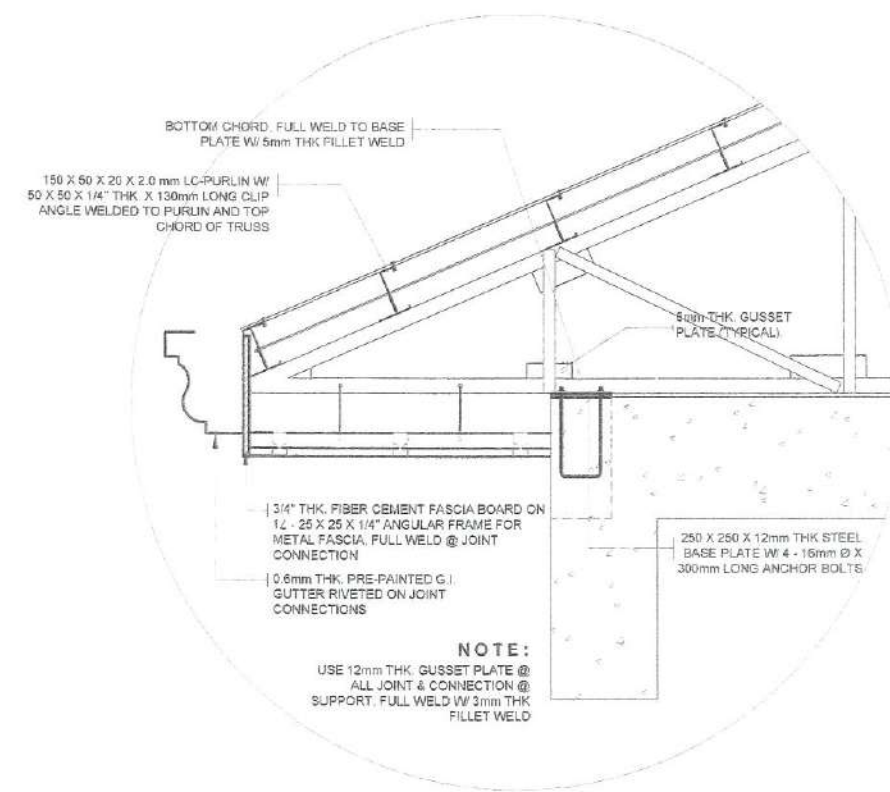
RECOMMENDED FOR APPROVAL:
 MA. MARGARITA C. JUNIA, D.M.
 ASSISTANT REGIONAL DIRECTOR
 DATE: _____

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

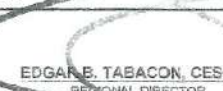
SET NO. 9
 SHEET NO. 22
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1 FOUNDATION PLAN
S - 3 SCALE: 1:100 MTS.



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, 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: FOUNDATION PLAN ROOF SECTION DETAILS	PREPARED:  LOUIE L. GUMBA ENGINEER II DATE: _____	SUBMITTED:  LUCAS N. BACSAI CHIEF, MAINTENANCE DIVISION DATE: _____	RECOMMENDED FOR APPROVAL:  MA. MARGARITA C. JUNIA, D.M. ASSISTANT REGIONAL DIRECTOR DATE: _____	APPROVED:  EDGARDO TABACON, CESO IV REGIONAL DIRECTOR DATE: _____	SHEET NO. 3 SHEET NO. 34
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