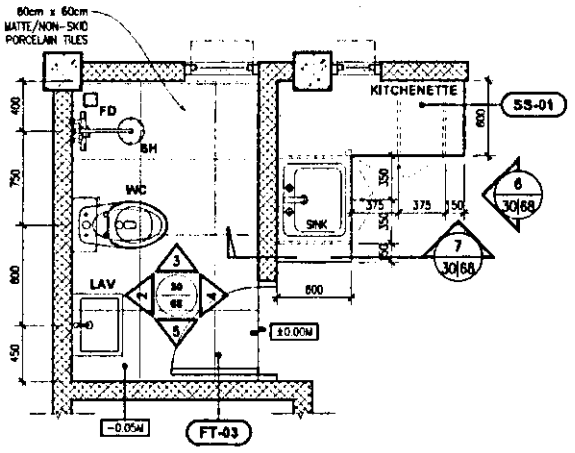
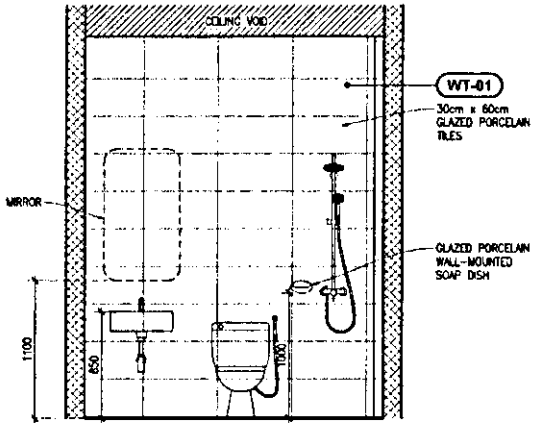


T&B AND KITCHENETTE @ PORT POLICE QUARTERS

1 PLAN VIEW

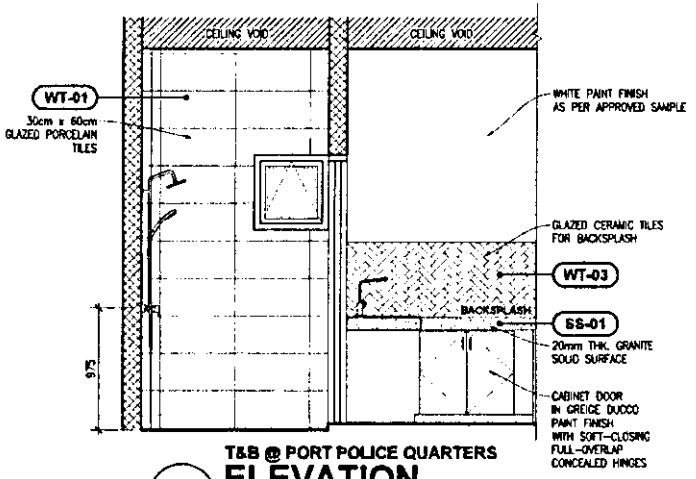
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T&B @ PORT POLICE QUARTERS

2 ELEVATION

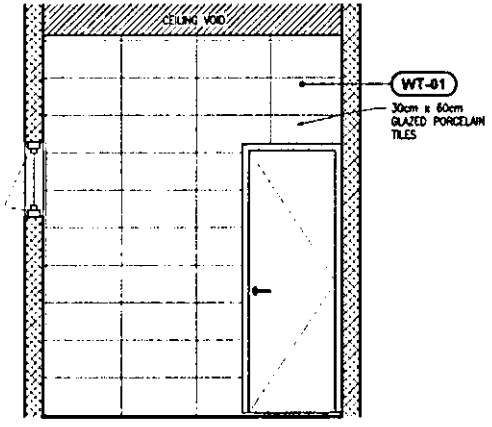
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T&B @ PORT POLICE QUARTERS

3 ELEVATION

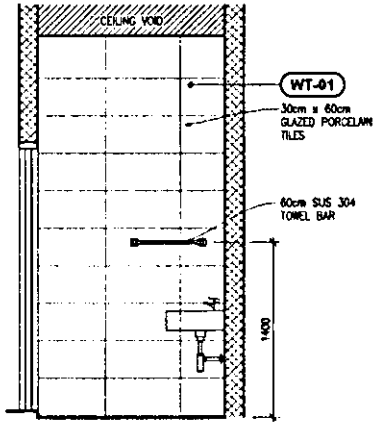
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T&B @ PORT POLICE QUARTERS

4 ELEVATION

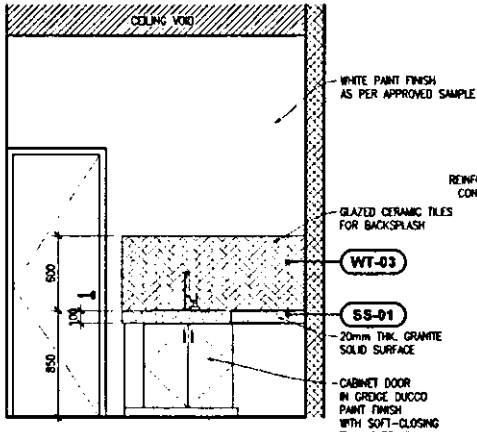
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T&B @ PORT POLICE QUARTERS

5 ELEVATION

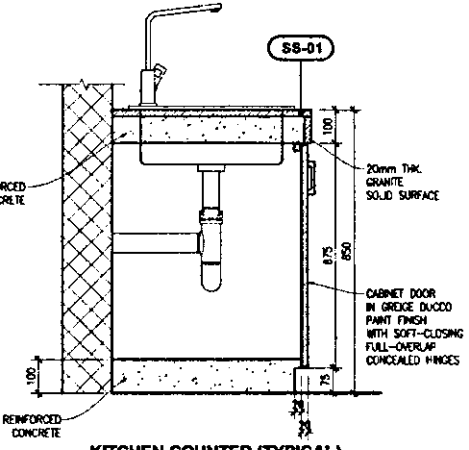
SCALE 1:40mts



T&B @ PORT POLICE QUARTERS

6 ELEVATION

SCALE 1:40mts



KITCHEN COUNTER (TYPICAL)

7 SECTION DETAIL

SCALE 1:15mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER,
NAMS, LEGAZPI CITY 4500

PROJECT TITLE

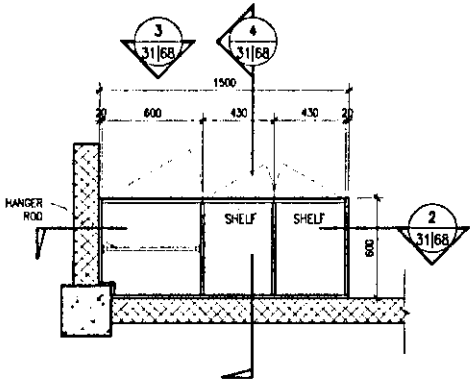
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

SHEET NO. 30 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD D. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-NEQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

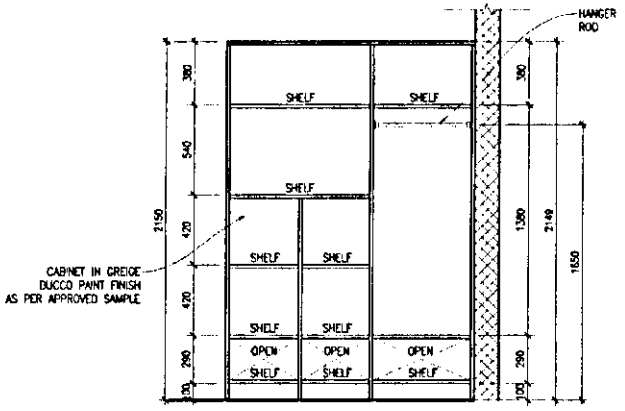
SEPT. 27, 2024



MILLWORK
CABINET @ PORT POLICE CHIEF QUARTERS

1 PLAN VIEW

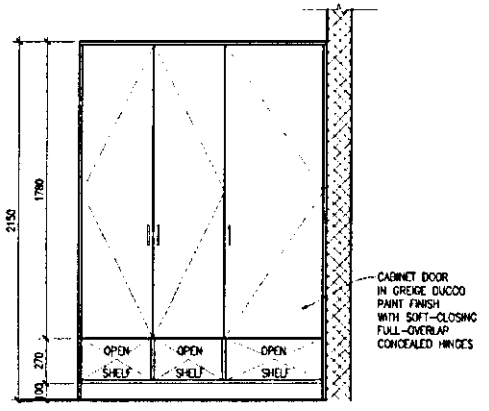
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MILLWORK
CABINET @ PORT POLICE CHIEF QUARTERS

2 SECTION

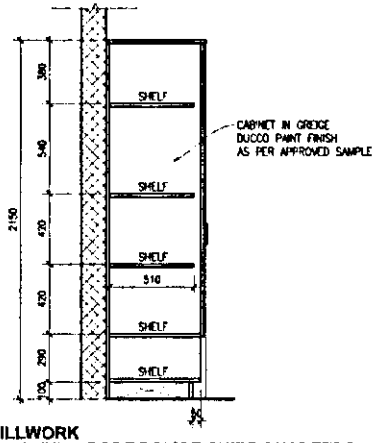
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MILLWORK
CABINET @ PORT POLICE CHIEF QUARTERS

3 ELEVATION

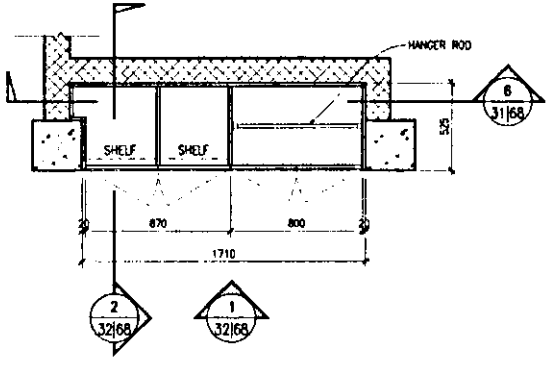
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MILLWORK
CABINET @ PORT POLICE CHIEF QUARTERS

4 SECTION

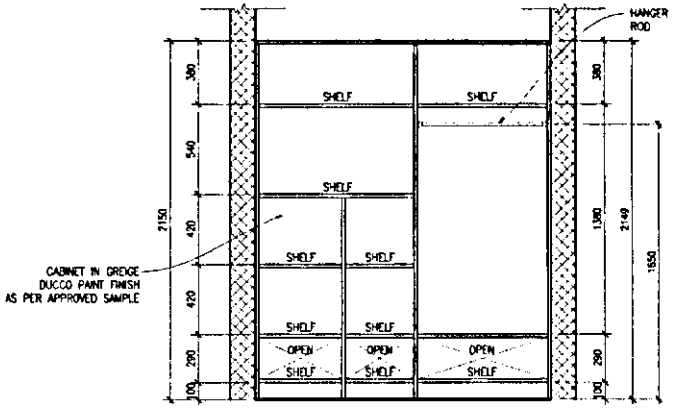
SCALE 1:30mts



MILLWORK
CABINET @ BEDROOM 1

5 PLAN VIEW

SCALE 1:30mts



MILLWORK
CABINET @ BEDROOM 1

6 SECTION

SCALE 1:30mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER,
RAWIS, LEGAZPI CITY 4500

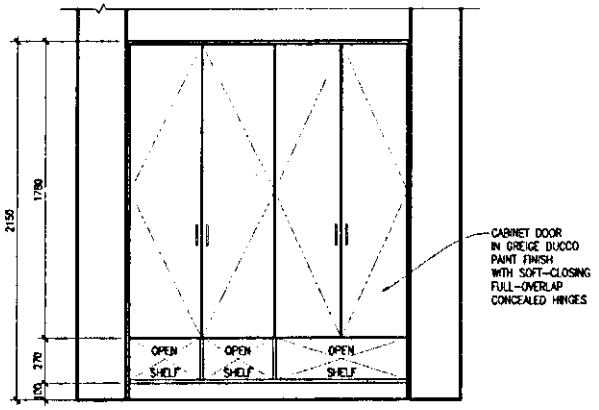
PROJECT TITLE
LOCATION: BASEPORT, LEGAZPI CITY

IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

SHEET NO. 31 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD L. TALAY, uap ARCHITECT II	JOHN S. DE LOS SANTOS ACTING DIVISION MANAGER A, ESD	MA. MAGNOLIA SINSON-REQUEJO PORT MANAGER	REYNAND C. PARAFINA MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	JAMES J. GANTALAO ASSISTANT GENERAL MANAGER FOR ENGINEERING

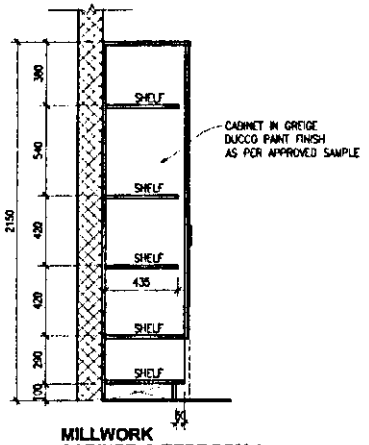
SEPT. 27, 2024



MILLWORK CABINET @ BEDROOM 1

1 ELEVATION

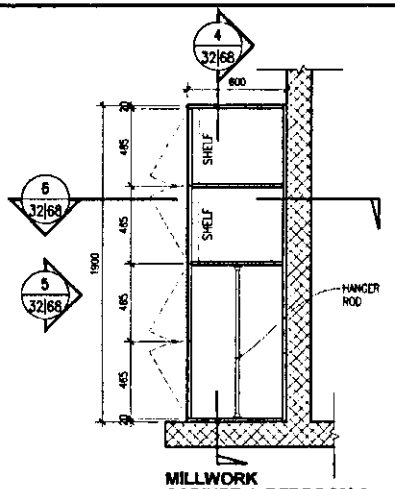
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MILLWORK CABINET @ BEDROOM 1

2 SECTION

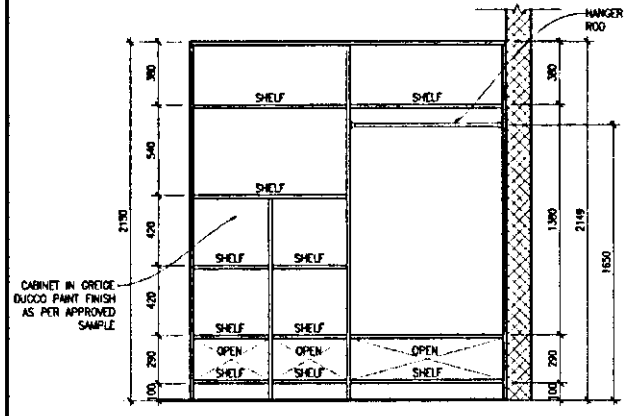
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MILLWORK CABINET @ BEDROOM 2

3 PLAN VIEW

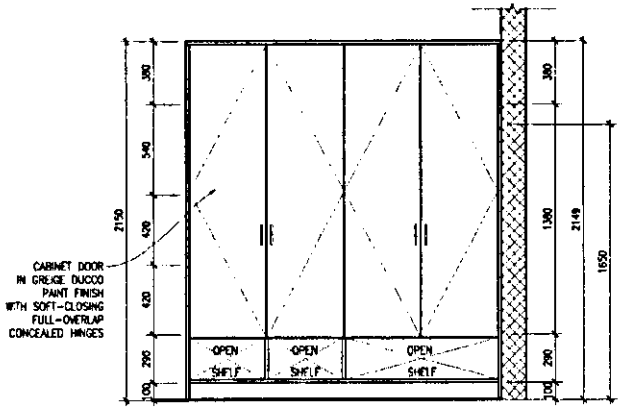
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MILLWORK CABINET @ BEDROOM 2

4 SECTION

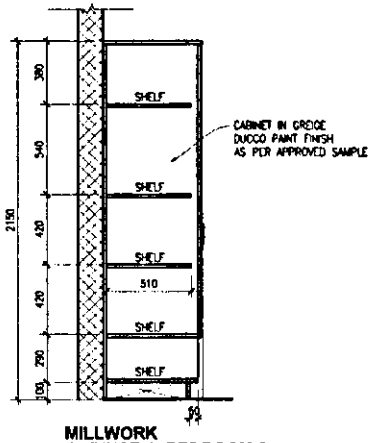
SCALE 1:30mts



MILLWORK CABINET @ BEDROOM 2

5 ELEVATION

SCALE 1:30mts



MILLWORK CABINET @ BEDROOM 2

6 SECTION

SCALE 1:30mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

PROJECT TITLE

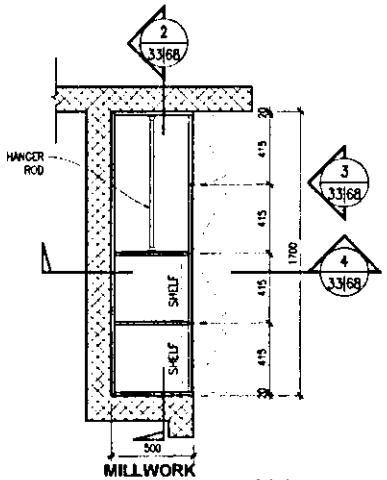
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

SHEET NO. 32/68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD J. TALAY, uap ARCHITECT II	JOHN S. DE LOS SANTOS ACTING DIVISION MANAGER A, ESD	MA. MAGNOLIA SINSON-REQUEJO PORT MANAGER	REYNAND C. BARAFINA MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	JAMES J. SANTALAO ASSISTANT GENERAL MANAGER FOR ENGINEERING

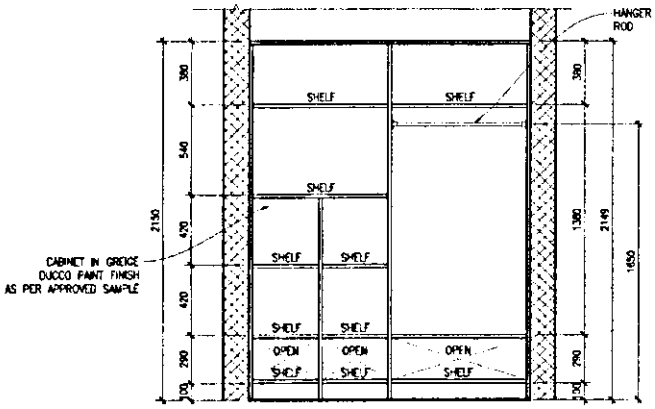
SEPT. 27, 2024



MILLWORK
CABINET @ BEDROOM 3

1 PLAN VIEW

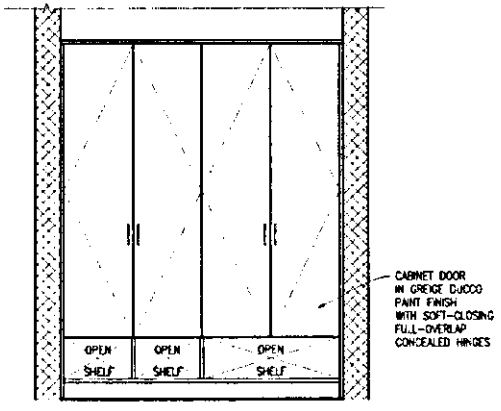
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MILLWORK
CABINET @ BEDROOM 3

2 SECTION

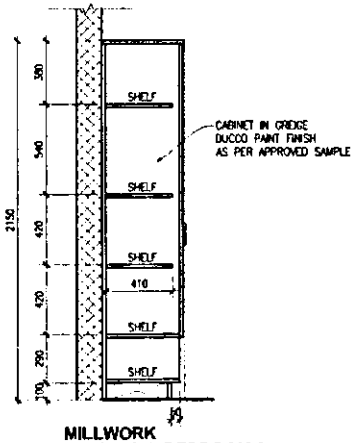
SCALE 1:30mts



MILLWORK
CABINET @ BEDROOM 3

3 ELEVATION

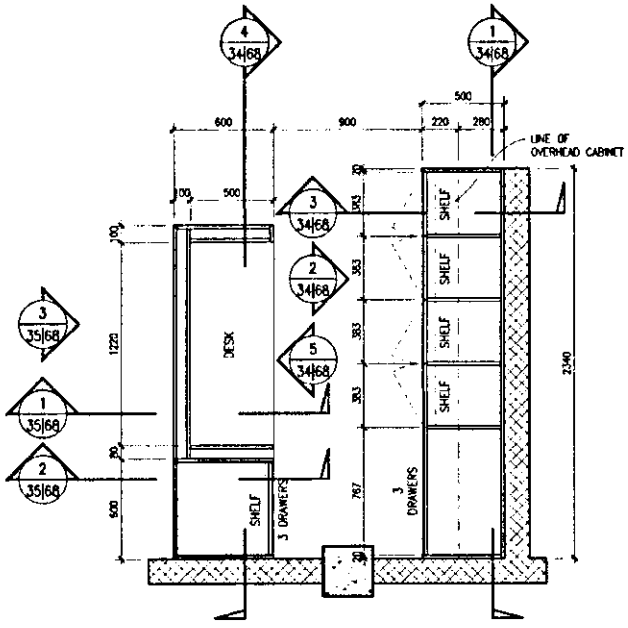
SCALE 1:30mts



MILLWORK
CABINET @ BEDROOM 3

4 SECTION

SCALE 1:30mts



MILLWORK
DESK AND CABINET @ LOUNGE AREA

5 PLAN VIEW

SCALE 1:30mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

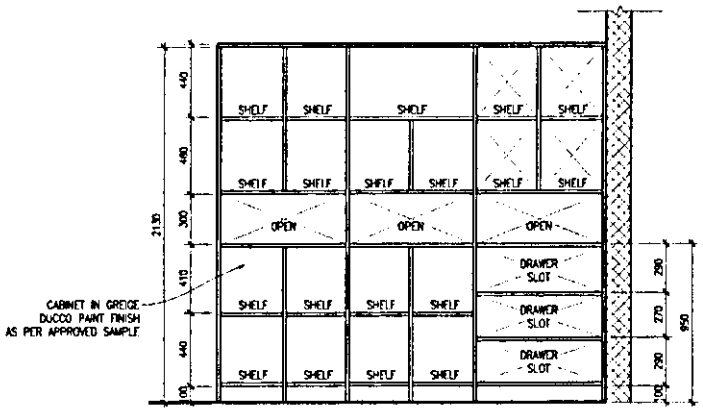
PROJECT TITLE
LOCATION: BASEPORT, LEGAZPI CITY

IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

SHEET NO. 33 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD D. TALAY, uap ARCHITECT II	JOHN S. DE LOS SANTOS ACTING DIVISION MANAGER A, ESD	MA. MAGNOLIA SINSON-ROQUEJO PORT MANAGER	REYNAND C. PARAFINA MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	JAMES J. SANTALAO ASSISTANT GENERAL MANAGER FOR ENGINEERING

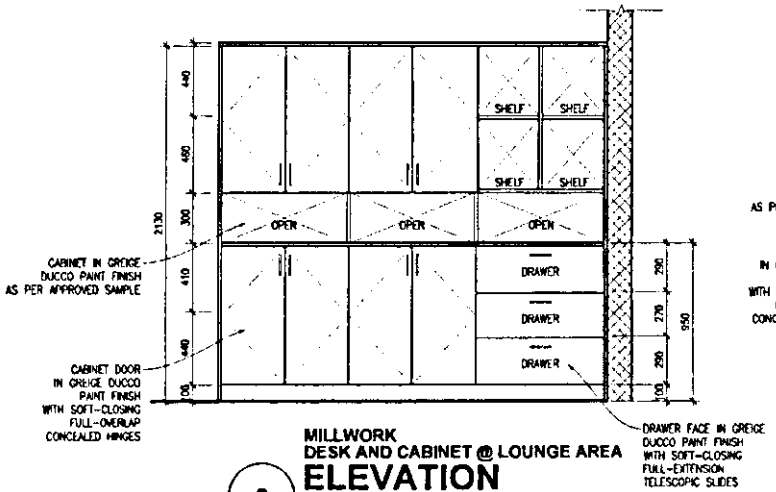
SEPT. 27, 2024



MILLWORK
DESK AND CABINET @ LOUNGE AREA

1 SECTION

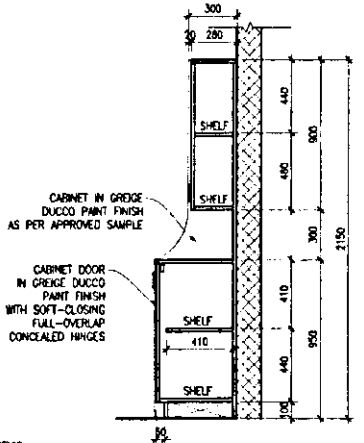
SCALE 1:30mts



MILLWORK
DESK AND CABINET @ LOUNGE AREA

2 ELEVATION

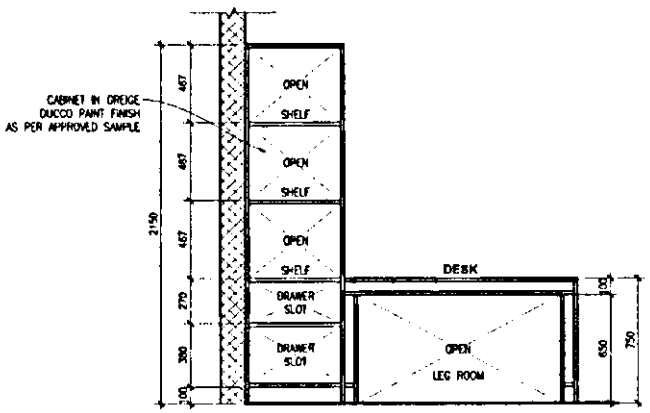
SCALE 1:30mts



MILLWORK
DESK AND CABINET @ LOUNGE AREA

3 SECTION

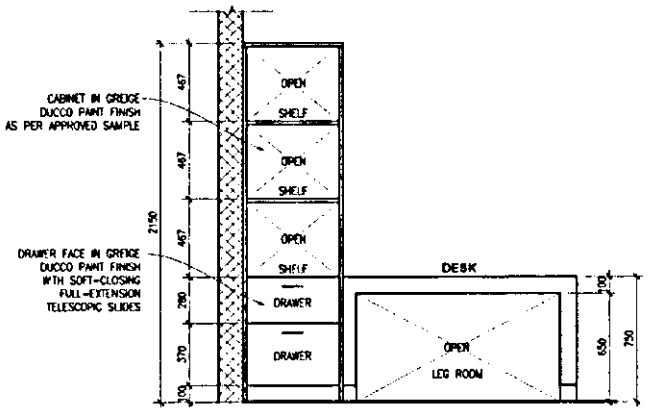
SCALE 1:30mts



MILLWORK
DESK AND CABINET @ LOUNGE AREA

4 SECTION

SCALE 1:30mts



MILLWORK
DESK AND CABINET @ LOUNGE AREA

5 ELEVATION

SCALE 1:30mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER,
RAWIS, LEGAZPI CITY 4500

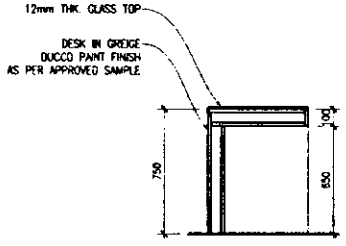
PROJECT TITLE:
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

SHEET NO. 34 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD U. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-NEQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

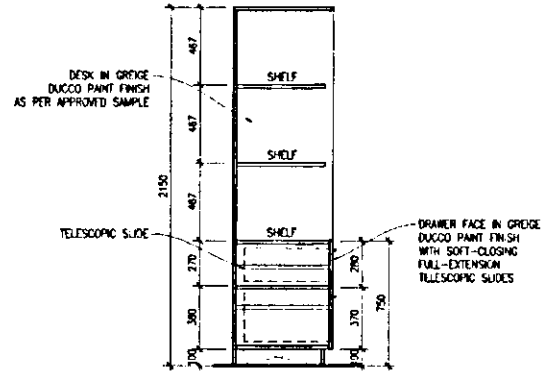
SEPT. 27, 2024



MILLWORK
DESK @ LOUNGE AREA

1 **SECTION**

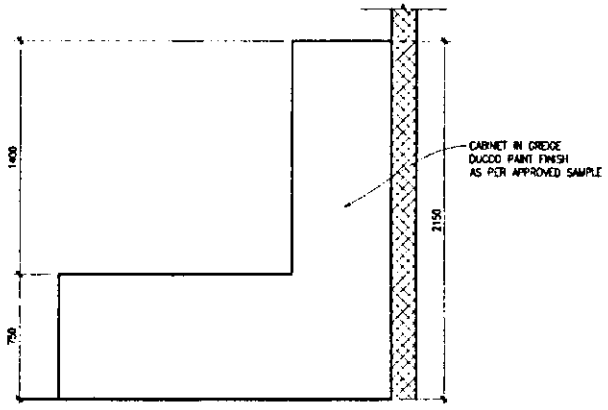
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MILLWORK
DESK @ LOUNGE AREA

2 **SECTION**

SCALE 1:30mts



MILLWORK
DESK AND CABINET @ LOUNGE AREA

3 **ELEVATION**

SCALE 1:30mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER,
RAWIS, LEGAZPI CITY 4500

PROJECT TITLE

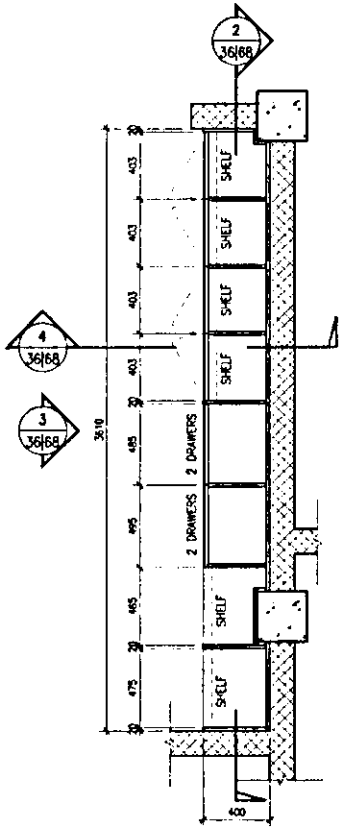
LOCATION: BASEPORT, LEGAZPI CITY

IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

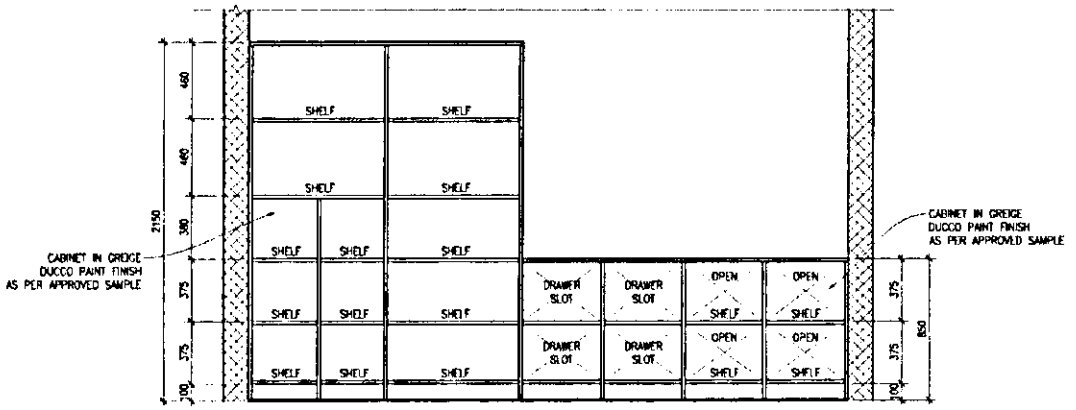
SHEET NO. 35 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD L. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

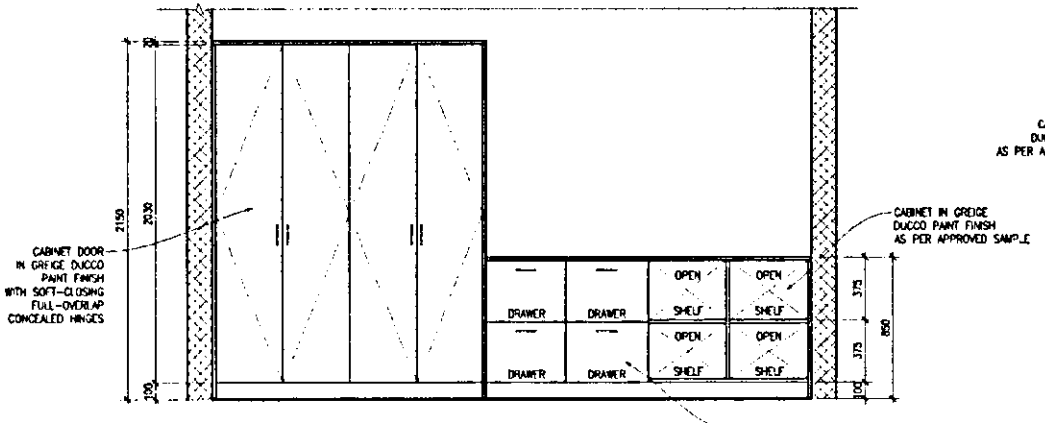
SEPT. 27, 2024



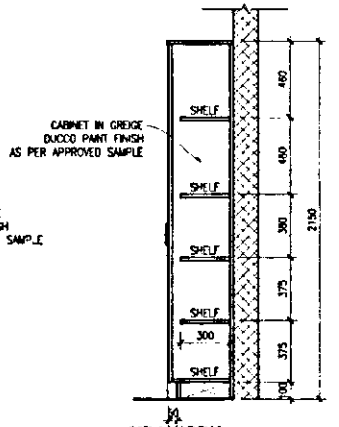
MILLWORK
CABINET @ KITCHEN AREA
PLAN VIEW
1 SCALE 1:30mts



MILLWORK
CABINET @ KITCHEN AREA
SECTION
2 SCALE 1:30mts



MILLWORK
CABINET @ KITCHEN AREA
ELEVATION
3 SCALE 1:30mts



MILLWORK
CABINET @ KITCHEN AREA
SECTION
4 SCALE 1:30mts

PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

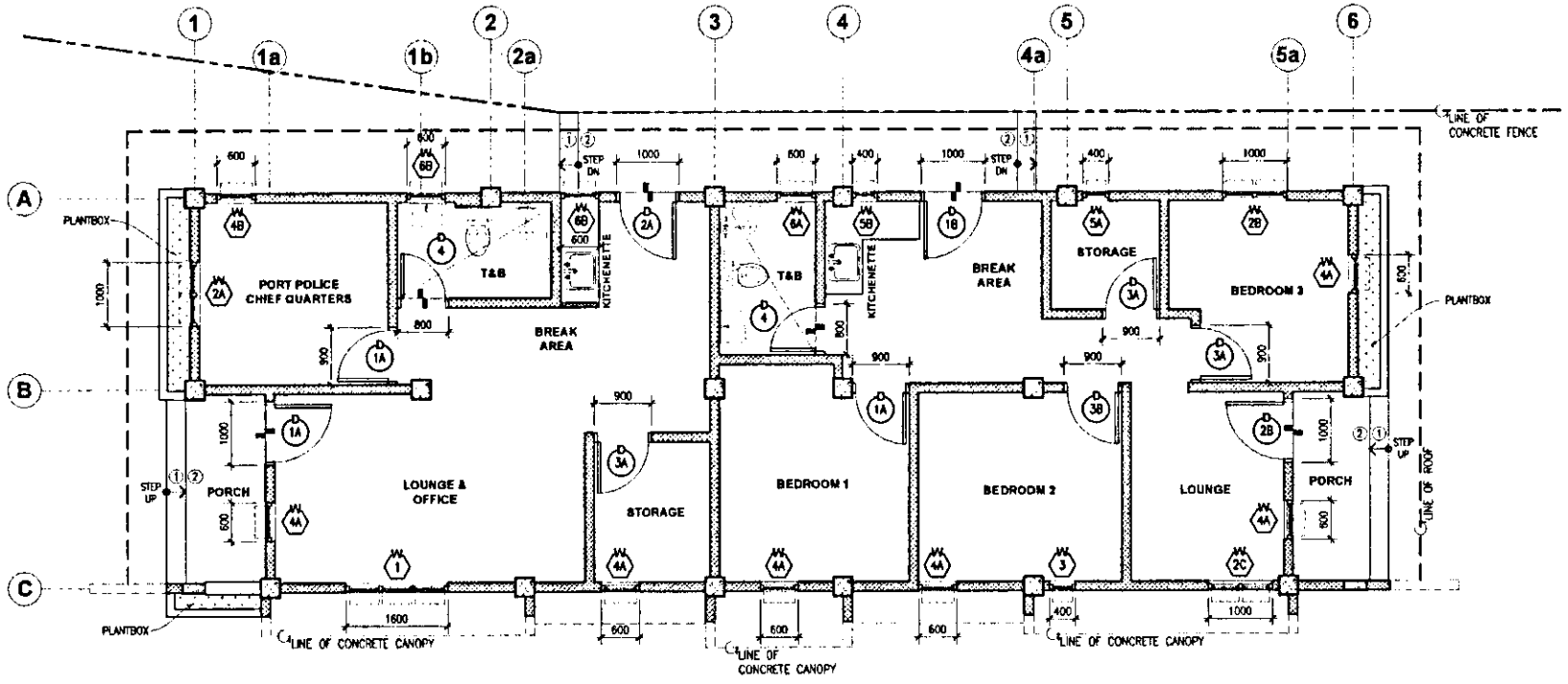
PROJECT TITLE
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

SHEET NO. 36 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD C. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. CARTALAO
	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SEPT. 27, 2024



PORT POLICE BUILDING

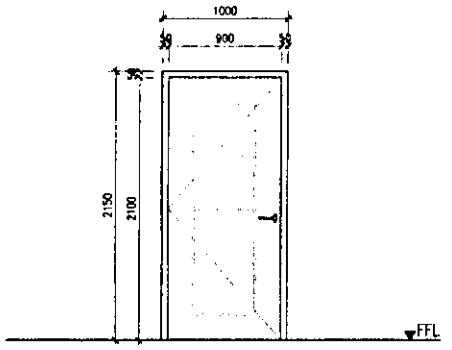
1 DOOR AND WINDOW LAYOUT

SCALE 1:75mts

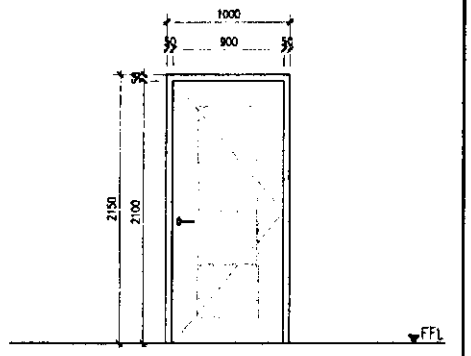
PHILIPPINE PORTS AUTHORITY PORT MANAGEMENT OFFICE OF BICOL REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500	PROJECT TITLE LOCATION: BASEPORT, LEGAZPI CITY IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE				SHEET NO. 37 68
PREPARED BY AGAPITO LLOYD D. TALAY, uap ARCHITECT	CHECKED/REVIEWED BY JOHN S. DE LOS SANTOS ACTING DIVISION MANAGER A, ESD	SUBMITTED BY MA. MAGNOLIA SINSON-NEQUEJO PORT MANAGER	RECOMMENDING APPROVAL REYNAND C. PARAFINA MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	APPROVED JAMES J. GANTALAO ASSISTANT GENERAL MANAGER FOR ENGINEERING	SEPT. 27, 2024

1A
ASSESSMENT: REMOVE AND REPLACE DOOR HARDWARE ONLY
LOCATION: ENTRANCE @ PORT POLICE OFFICE, PORT POLICE CHIEF QUARTERS, AND BEDROOM 1 @ PORT POLICE QUARTERS
REQUIRED: 3
USE: SUS 316 LEFT-HANDED LEVER DOOR HANDLES AND HARDWARE

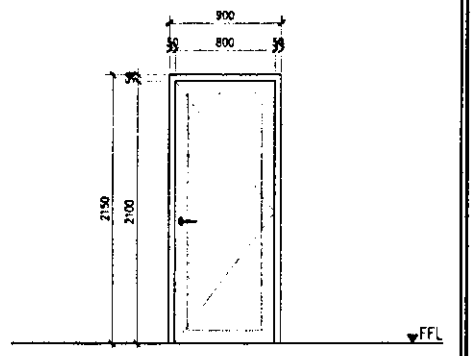
1B
ASSESSMENT: REMOVE AND REPLACE DOOR HARDWARE ONLY
LOCATION: ENTRANCE @ PORT POLICE QUARTERS
REQUIRED: 1
USE: SUS 316 RIGHT-HANDED LEVER DOOR HANDLE AND HARDWARE



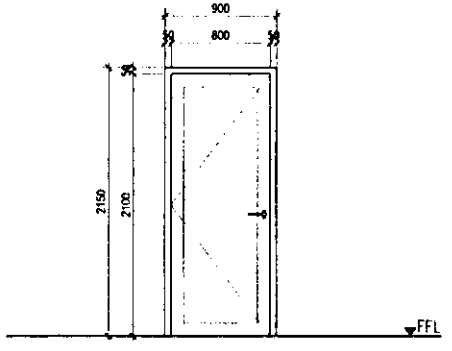
2A
TYPE: PANEL DOOR W/ 10mm GROOVE
MATERIAL: HARDWOOD
JAMB: HARDWOOD
LOCATION: KITCHENETTE @ PORT POLICE OFFICE
REQUIRED: 1



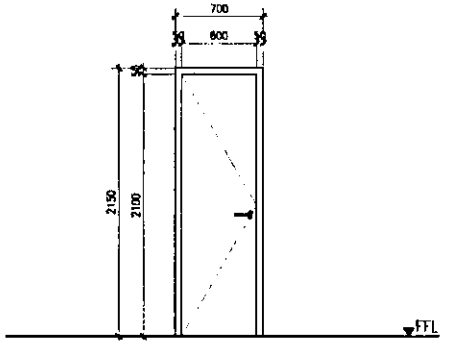
2B
TYPE: PANEL DOOR W/ 10mm GROOVE
MATERIAL: HARDWOOD
JAMB: HARDWOOD
LOCATION: LOUNGE @ PORT POLICE QUARTERS
REQUIRED: 1



3A
TYPE: PANEL DOOR W/ 10mm GROOVE
MATERIAL: HARDWOOD
JAMB: HARDWOOD
LOCATION: STORAGE @ PORT POLICE OFFICE STORAGE AND BEDROOM 3&4 @ PORT POLICE QUARTERS
REQUIRED: 3



3B
TYPE: PANEL DOOR W/ 10mm GROOVE
MATERIAL: HARDWOOD
JAMB: HARDWOOD
LOCATION: BEDROOM 2 @ PORT POLICE QUARTERS
REQUIRED: 1



4
TYPE: PLAIN WOOD PLASTIC COMPOSITE DOOR (WPC)
MATERIAL: WOOD PLASTIC COMPOSITE
JAMB: WOOD PLASTIC COMPOSITE
LOCATION: T&B @ PORT POLICE OFFICE AND QUARTERS
REQUIRED: 2

GENERAL NOTE:
ALL DOORS SHOULD
BE INSTALLED WITH 316 STAINLESS
STEEL MARINE GRADE HARDWARE.
DOOR HANDLES SHOULD BE LEVER-TYPE

1 **DOOR SCHEDULE**
SCALE 1:40mts

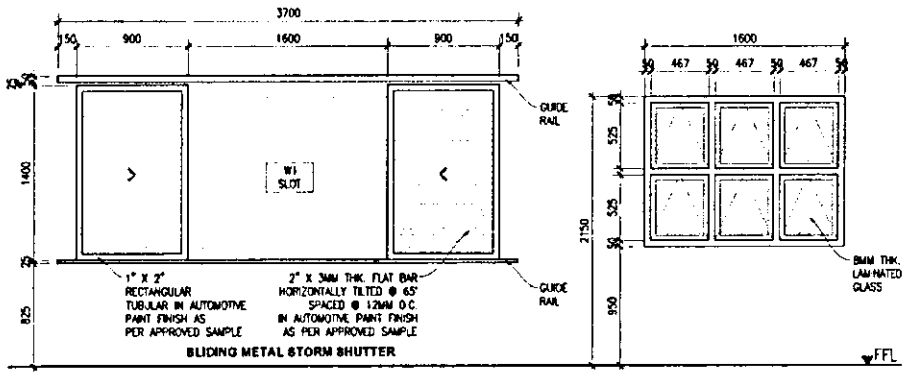
PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

PROJECT TITLE
LOCATION: BASEPORT, LEGAZPI CITY
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

SHEET NO. 38 / 68

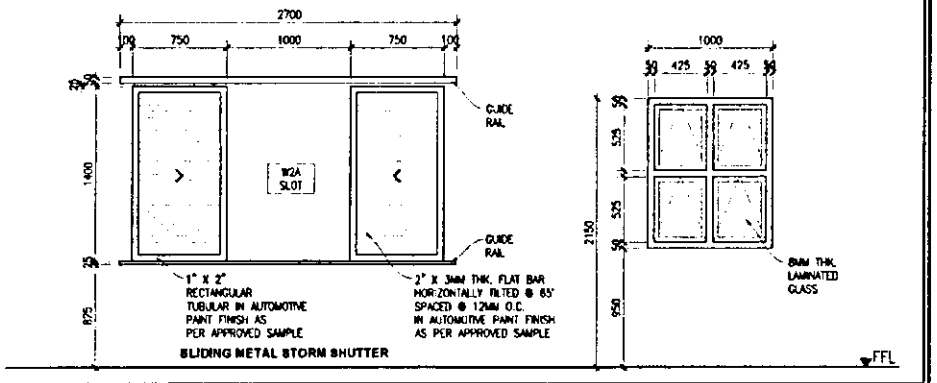
PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD L. TALAY, uap ARCHITECT II	JOHN S. DE LOS SANTOS ACTING DIVISION MANAGER A, CSD	MA. MAGNOLIA SINSON-REQUEJO PORT MANAGER	REYNAND C. PARAFINA MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	JAMES J. GANTALAO ASSISTANT GENERAL MANAGER FOR ENGINEERING

SEPT. 27, 2024



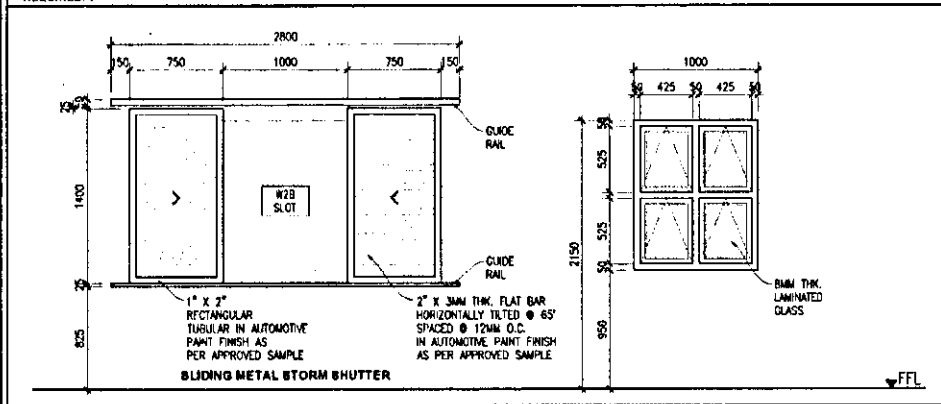
1

TYPE: AWNING WINDOW
MATERIAL: uPVC FRAME W/ 8mm THK. LAMINATED WINDOW PANE
JAMB: uPVC
LOCATION: PORT POLICE OFFICE
REQUIRED: 1



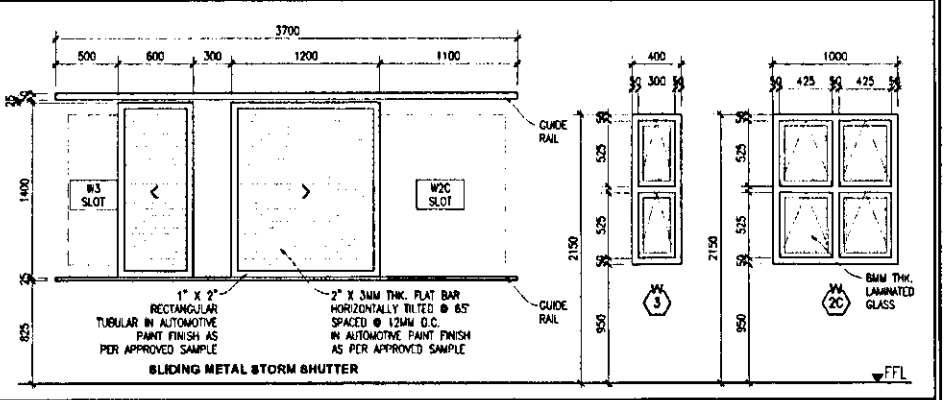
2A

TYPE: AWNING WINDOW
MATERIAL: uPVC FRAME W/ 8mm THK. LAMINATED WINDOW PANE
JAMB: uPVC
LOCATION: PORT POLICE CHIEF QUARTERS
REQUIRED: 1



2B

TYPE: AWNING WINDOW
MATERIAL: uPVC FRAME W/ 8mm THK. LAMINATED WINDOW PANE
JAMB: uPVC
LOCATION: BEDROOM 4 @ PORT POLICE QUARTERS
REQUIRED: 1



2C

TYPE: AWNING WINDOW
MATERIAL: uPVC FRAME W/ 8mm THK. LAMINATED WINDOW PANE
JAMB: uPVC
LOCATION: BEDROOM 3 @ PORT POLICE QUARTERS
REQUIRED: 1

3

TYPE: AWNING WINDOW
MATERIAL: uPVC FRAME W/ 8mm THK. LAMINATED WINDOW PANE
JAMB: uPVC
LOCATION: BEDROOM 2 @ PORT POLICE QUARTERS
REQUIRED: 1

1 WINDOW SCHEDULE

SCALE 1:40mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER
RAWIS, LEGAZPI CITY 4500

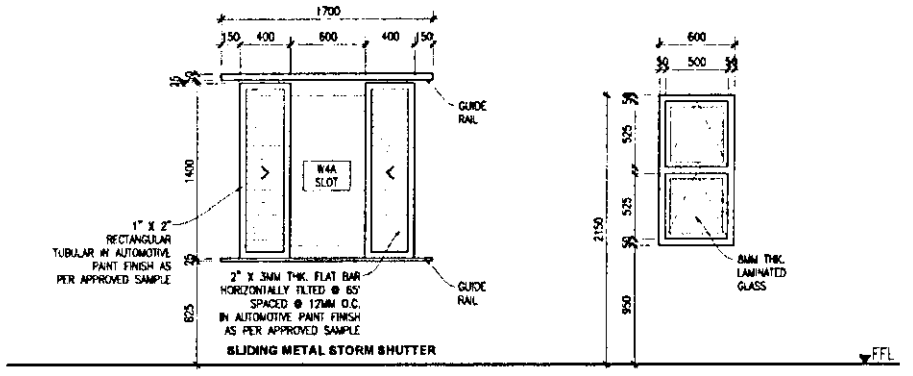
PROJECT TITLE
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

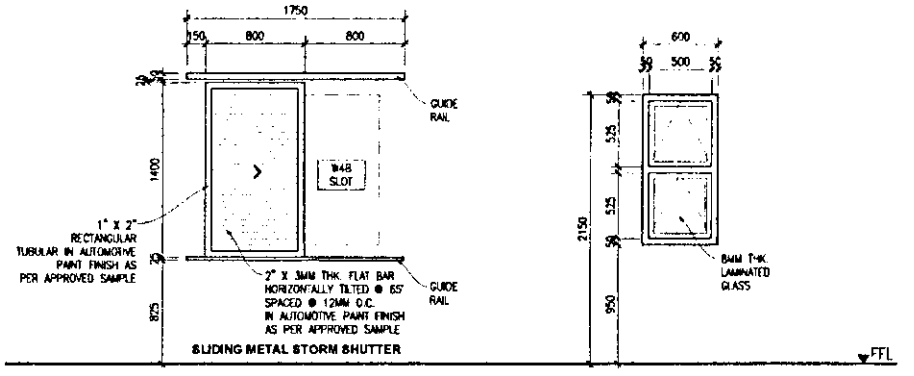
LOCATION: BASEPORT, LEGAZPI CITY

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD L. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SHEET NO. 39 / 68

SEPT. 27, 2024



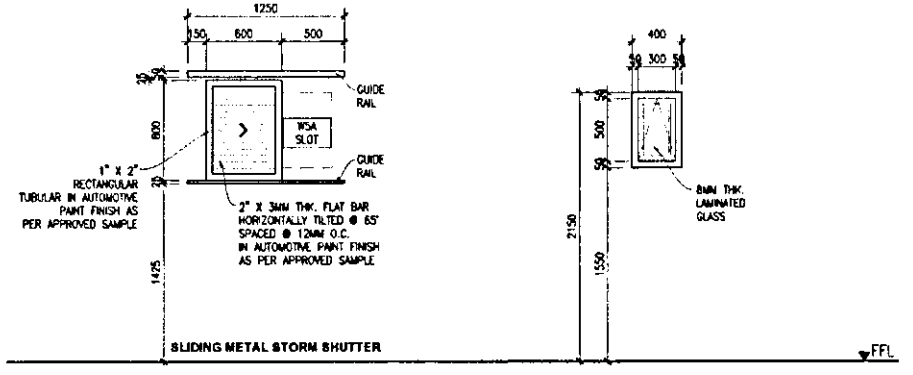


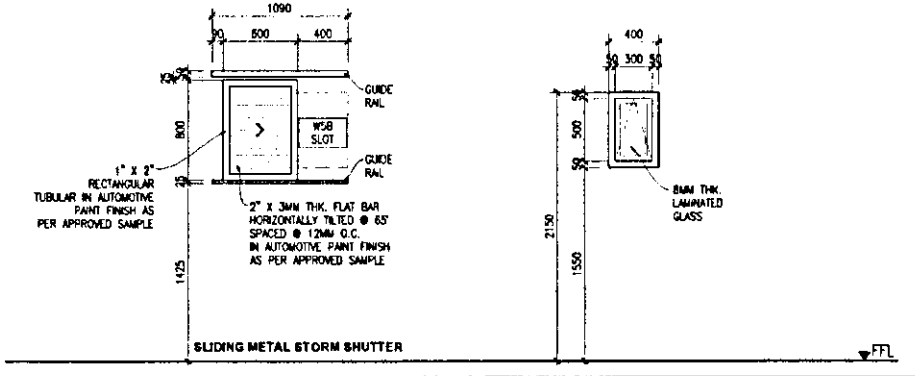
AW 4A

TYPE: AWNING WINDOW	
MATERIAL: uPVC FRAME W/ 8mm THK. LAMINATED WINDOW PANE	
JAMB: uPVC	
LOCATION: LOUNGE AND STORAGE @ PORT POLICE OFFICE, LOUNGE AND BEDROOM 1, 2, & 3 @ PORT POLICE QUARTERS	
REQUIRED: 6	

AW 4B

TYPE: AWNING WINDOW	
MATERIAL: uPVC FRAME W/ 8mm THK. LAMINATED WINDOW PANE	
JAMB: uPVC	
LOCATION: PORT POLICE CHIEF QUARTERS	
REQUIRED: 1	





AW 5A

TYPE: AWNING WINDOW	
MATERIAL: uPVC FRAME W/ 8mm THK. LAMINATED WINDOW PANE	
JAMB: uPVC	
LOCATION: STORAGE @ PORT POLICE QUARTERS	
REQUIRED: 1	

AW 5B

TYPE: AWNING WINDOW	
MATERIAL: uPVC FRAME W/ 8mm THK. LAMINATED WINDOW PANE	
JAMB: uPVC	
LOCATION: KITCHENETTE @ PORT POLICE QUARTERS	
REQUIRED: 1	

1 WINDOW SCHEDULE

SCALE 1:40mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

PROJECT TITLE

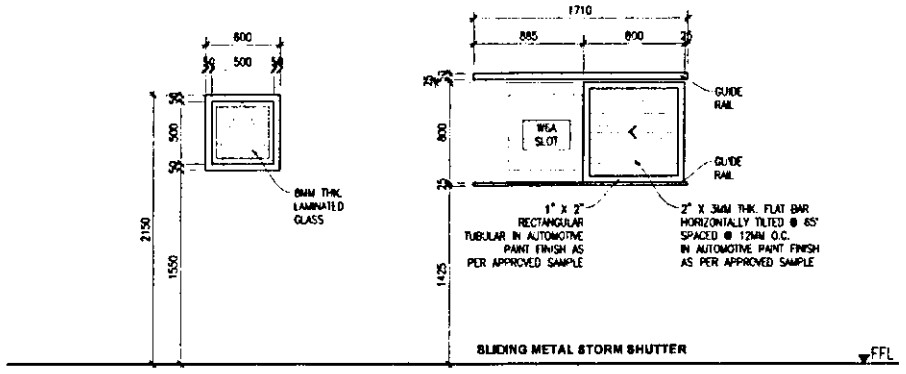
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

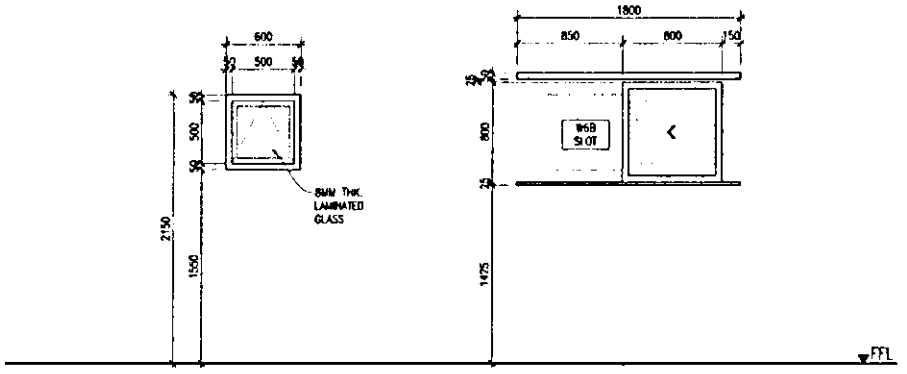
PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD LUTALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SHEET NO. 40 / 68

SEPT. 27, 2024



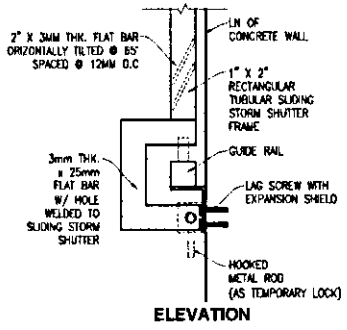
W6A
TYPE: AWNING WINDOW
MATERIAL: uPVC FRAME W/ 8mm THK. LAMINATED WINDOW PANE
JAMB: uPVC
LOCATION: T&B @ PORT POLICE QUARTERS
REQUIRED: 1

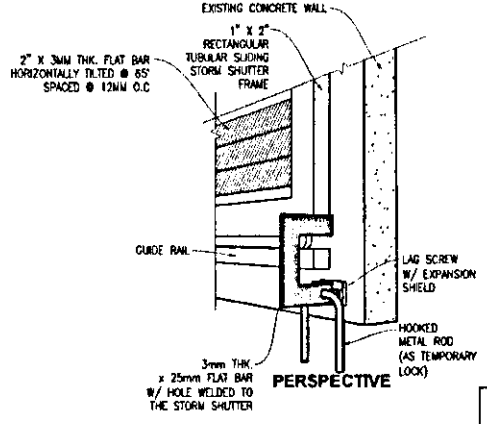


W6B
TYPE: AWNING WINDOW
MATERIAL: uPVC FRAME W/ 8mm THK. LAMINATED WINDOW PANE
JAMB: uPVC
LOCATION: T&B AND KITCHENETTE @ PORT POLICE OFFICE
REQUIRED: 2

1 WINDOW SCHEDULE

SCALE 1:40mts





SLIDING METAL STORM SHUTTER (TYPICAL)

2 LOCK DETAIL

SCALE 1:5mts

GENERAL NOTE:
ALL SLIDING METAL STORM SHUTTERS SHOULD BE INSTALLED WITH TEMPORARY LOCK ON BOTH ENDS TO PREVENT THE MECHANISM FROM SLIDING OFF WHEN SHUT.

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER
RAWIS, LEGAZPI CITY 4500

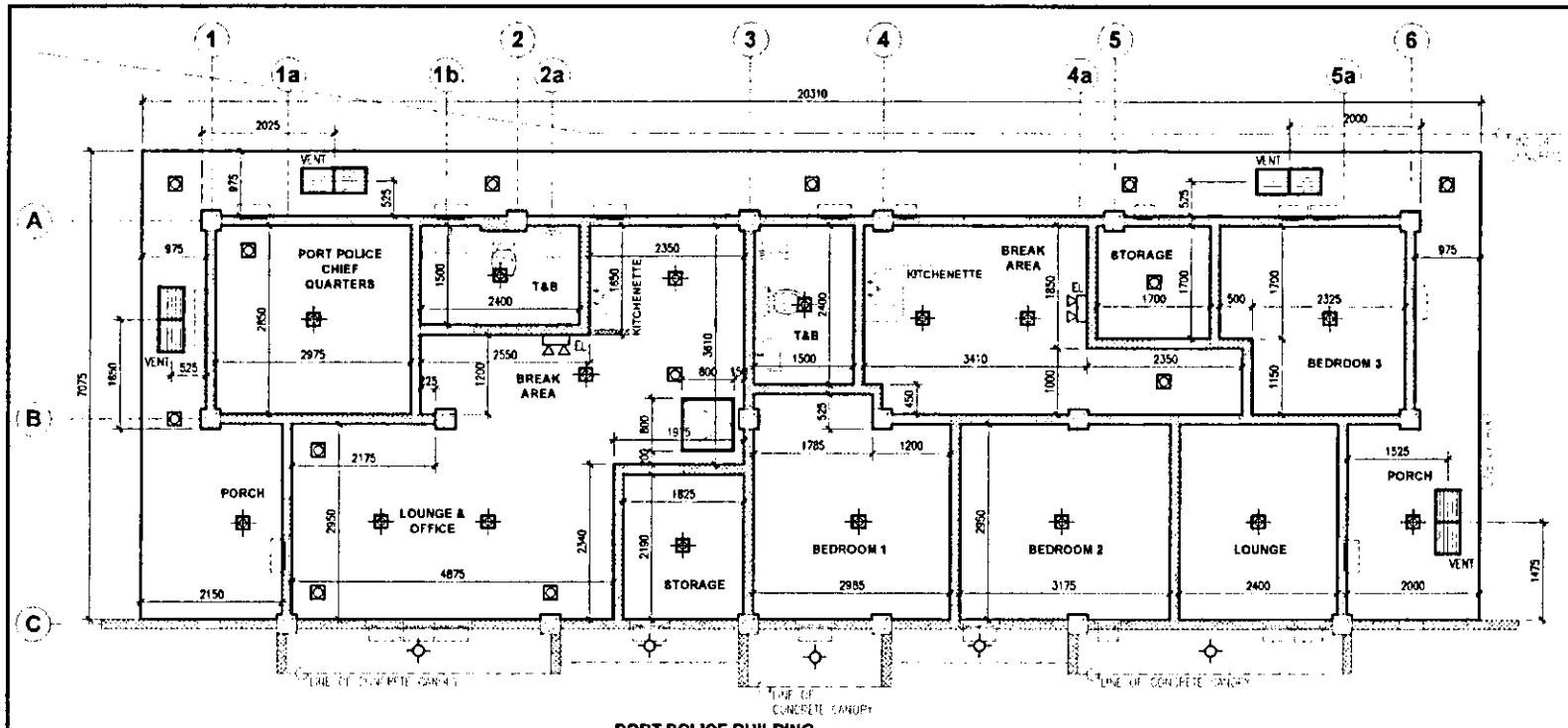
PROJECT TITLE
LOCATION: BASEPORT, LEGAZPI CITY

IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

SHEET NO. 41 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD D. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
DRAFTING II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SEPT. 27, 2024

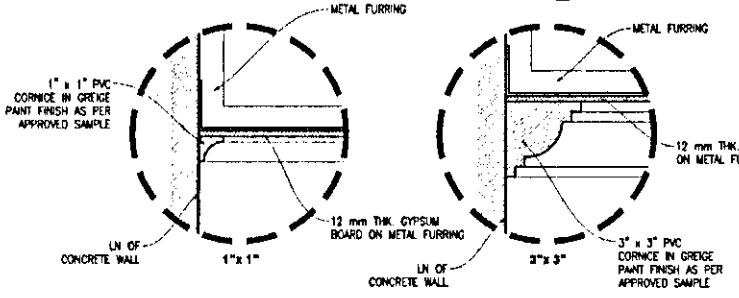


PORT POLICE BUILDING

1 REFLECTED CEILING PLAN

SCALE 1:75mts

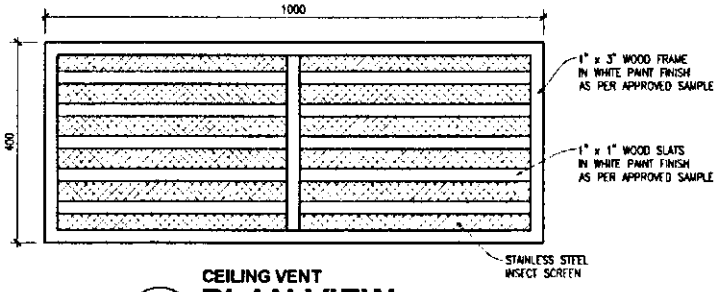
CEILING
AREA: 132.00m² USE: 12 mm THK. GYPSUM BOARD PAINTED ON 0.40 mm THK. GALVANIZED STEEL CEILING SUSPENSION SYSTEM @ 0.40 m O.C. (FURRING), 0.60 m O.C. (CARRYING CHANNEL) AND 1.23 m O.C. BOTH WAYS (SUSPENSION ROD) GENERAL NOTE: REMOVE AND REPLACE ALL CEILING ON-SITE
CORNICE
USE: 3" x 3" (PROFILE - SEE DETAILS) TOTAL LENGTH: 135.50m PAINT COLOR: GREIGE SHEEN: SEMI-GLOSS LOCATION: ALL ROOMS EXCEPT EAVES
USE: 1" x 1" (PROFILE - SEE DETAILS) TOTAL LENGTH: 73.50m PAINT COLOR: GREIGE SHEEN: SEMI-GLOSS LOCATION: EAVES
CEILING VENT
DIMENSION: SEE DETAILS PAINT COLOR: WHITE QUANTITY: 4 SETS
LIGHTING FIXTURES
TYPE: E27 - 12W LED LAMP W/ 6" ROUND SURFACE-MOUNTED FROSTED BLACK ALUMINUM HOUSING LIGHT COLOR: COOL WHITE QUANTITY: 5
TYPE: E27 - 7W LED LAMP W/ 6" WHITE RECESSED CASING AND GLASS COVER LIGHT COLOR: COOL WHITE QUANTITY: 13
TYPE: E27 - 12W LED LAMP W/ 6" WHITE RECESSED CASING AND GLASS COVER LIGHT COLOR: COOL WHITE/ DAYLIGHT QUANTITY: 16
TYPE: TWIN-HEAD LED EMERGENCY LIGHT LIGHT COLOR: COOL WHITE QUANTITY: 2



CORNICE

2 DETAIL (TYPICAL)

SCALE 1:5mts



CEILING VENT

3 PLAN VIEW

SCALE 1:10mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER,
RAWIS, LEGAZPI CITY 4500

PROJECT TITLE

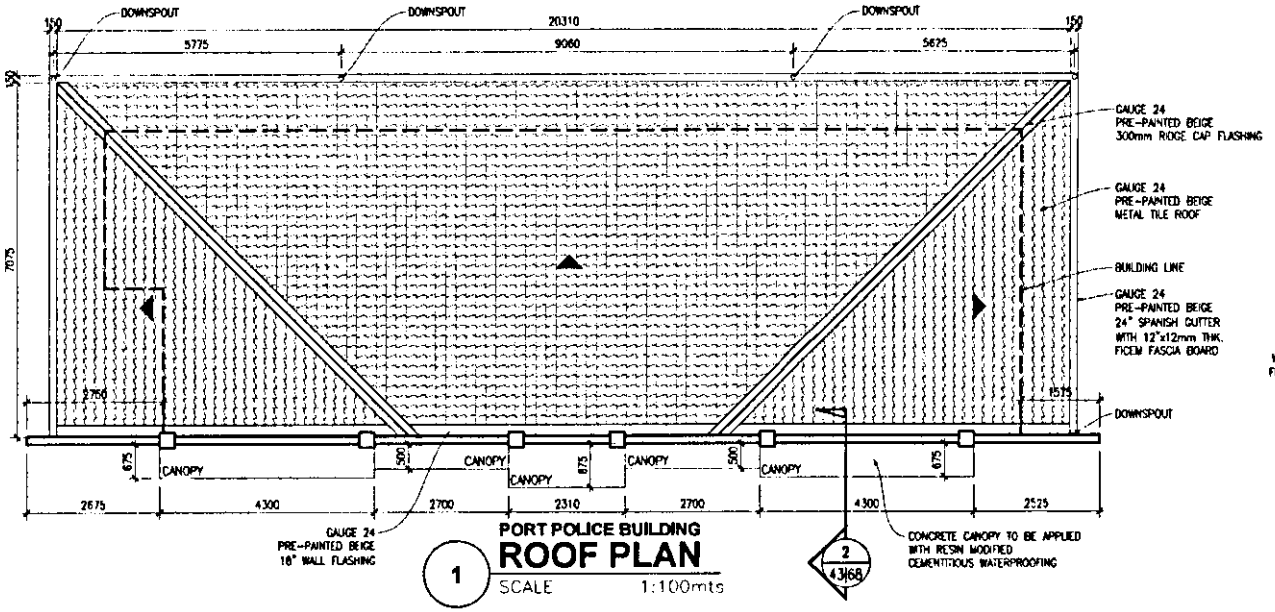
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD A. TALAY, uap ARCHITECT	JOHN S. DE LOS SANTOS ACTING DIVISION MANAGER A, ESD	MA. MAGNOLIA SINSON-REQUEJO PORT MANAGER	REYNAND C. PARAFINA MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	JAMES J. GANTALAO ASSISTANT GENERAL MANAGER FOR ENGINEERING

SHEET NO. 42 / 68

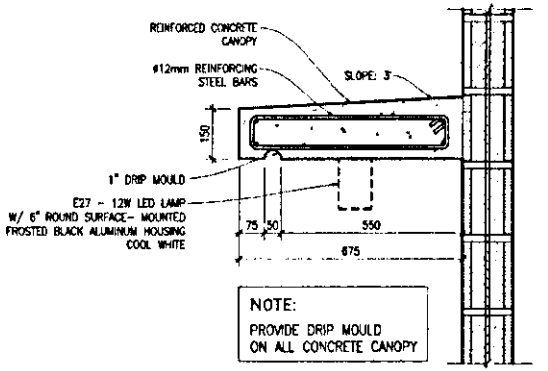
SEPT. 27, 2024



PORT POLICE BUILDING

1 ROOF PLAN

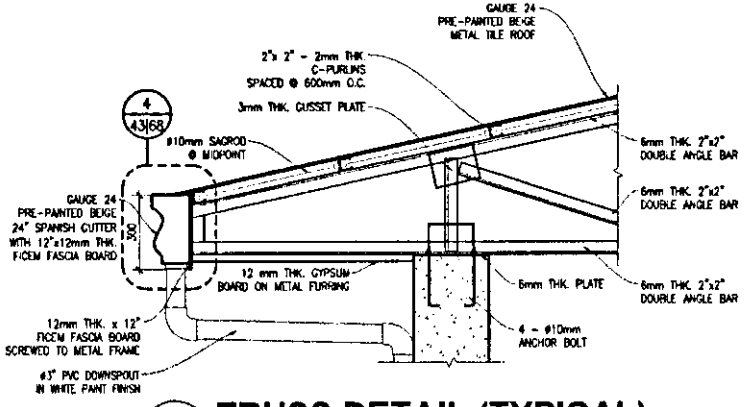
SCALE 1:100mts



CONCRETE CANOPY

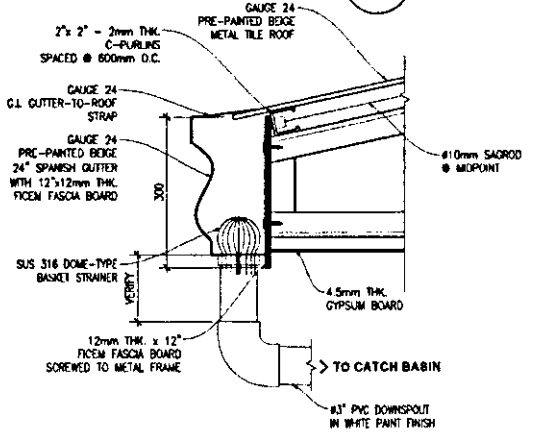
2 SECTION DETAIL

SCALE 1:15mts



3 TRUSS DETAIL (TYPICAL)

SCALE 1:20mts

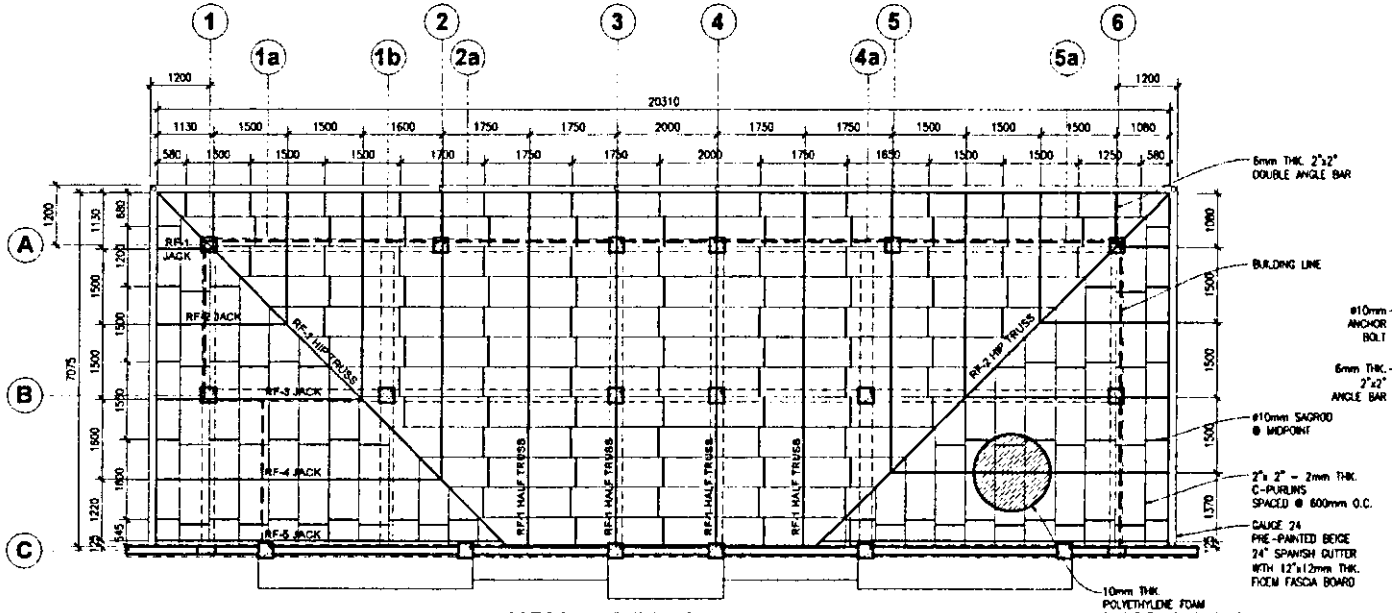


GUTTER (TYPICAL)

4 SECTION DETAIL

SCALE 1:10mts

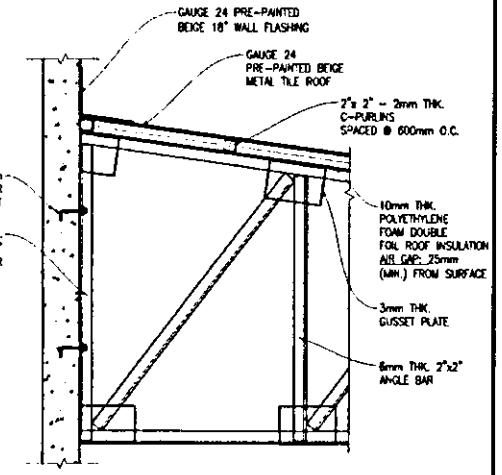
PHILIPPINE PORTS AUTHORITY PORT MANAGEMENT OFFICE OF BICOL REGIONAL GOVERNMENT CENTER, RAWIS LEGAZPI CITY 4500	PROJECT TITLE LOCATION: BASEPORT, LEGAZPI CITY	IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE			SHEET NO.
	PREPARED BY AGAPITO LLOYD D. TALAY, uap ARCHITECT	CHECKED/REVIEWED BY JOHN S. DE LOS SANTOS ACTING DIVISION MANAGER A, ESD	SUBMITTED BY MA. MAGNOLIA SINSON-REQUEJO PORT MANAGER	RECOMMENDING APPROVAL REYNAND C. PARAFINA MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	APPROVED JAMES J. GANTALAO ASSISTANT GENERAL MANAGER FOR ENGINEERING	43 68 SEPT. 27, 2024



PORT POLICE BUILDING

1 ROOF FRAMING PLAN

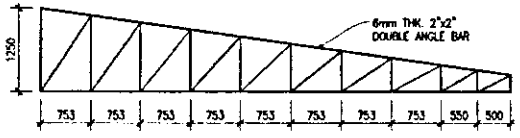
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RAFTER TO REINFORCED WALL CONNECTION

2 SECTION DETAIL

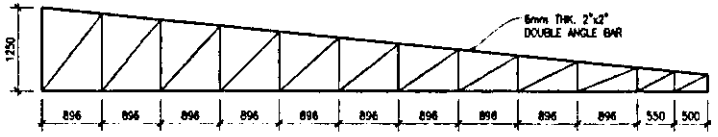
SCALE 1:20mts



HALF TRUSS

3 SECTION

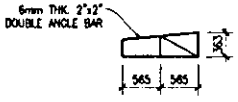
SCALE 1:75mts



HIP TRUSS

4 SECTION

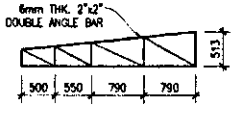
SCALE 1:75mts



JACK RAFTER 1

5 SECTION

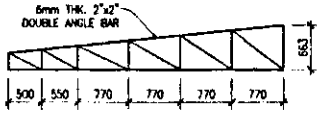
SCALE 1:75mts



JACK RAFTER 2

6 SECTION

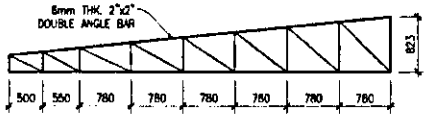
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JACK RAFTER 3

7 SECTION

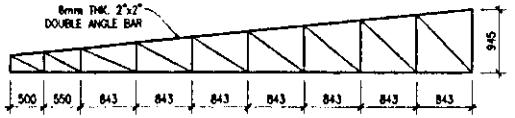
SCALE 1:75mts



JACK RAFTER 4

8 SECTION

SCALE 1:75mts



JACK RAFTER 5

9 SECTION

SCALE 1:75mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

PROJECT TITLE

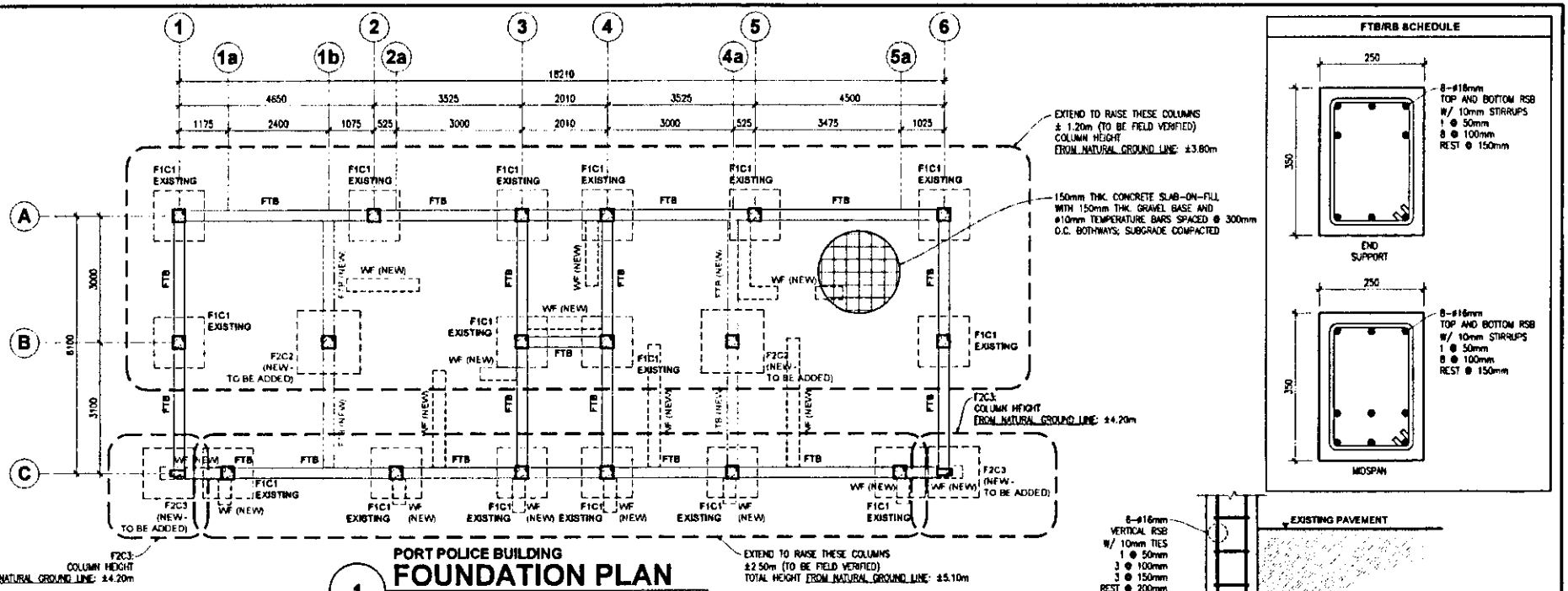
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

SHEET NO. 44 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD D. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

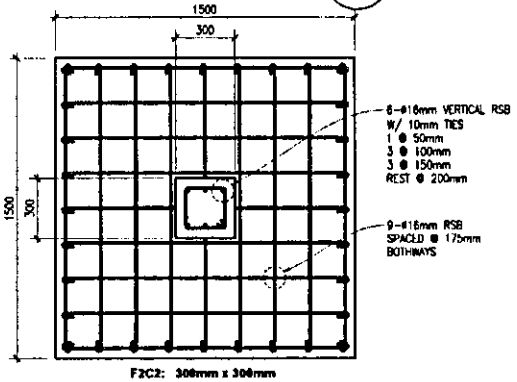
SEPT. 27, 2024



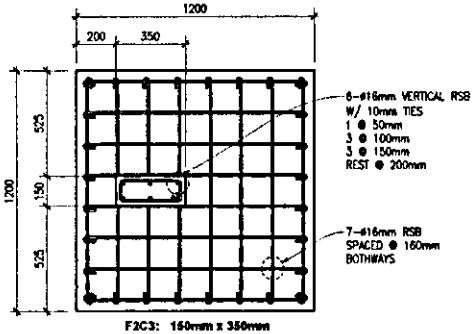
PORT POLICE BUILDING

1 FOUNDATION PLAN

SCALE 1:100mts



F2C2: 300mm x 300mm COLUMN - 2 SETS

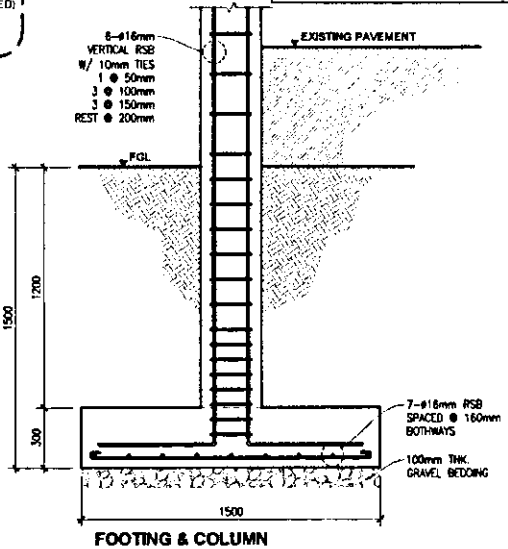


F2C3: 150mm x 350mm COLUMN - 2 SETS

FOOTING & COLUMN

2 PLAN VIEW

SCALE 1:25mts



FOOTING & COLUMN

3 SECTION DETAIL

SCALE 1:25mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER,
RAWIS, LEGAZPI CITY 4500

PROJECT TITLE

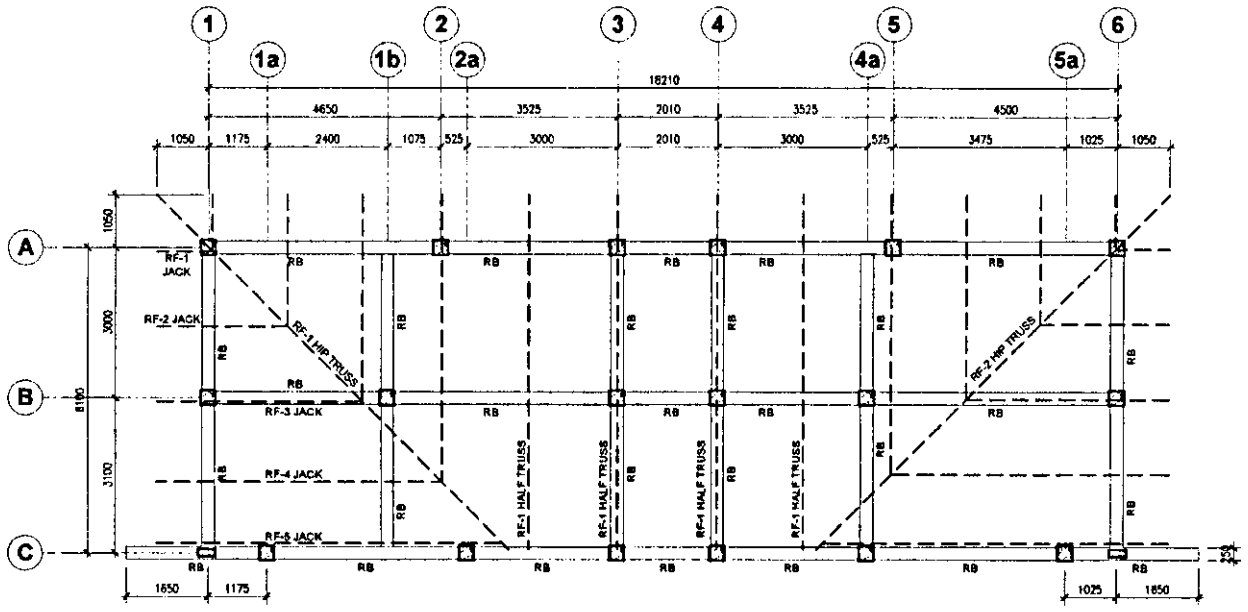
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

SHEET NO. 45 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD DITALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

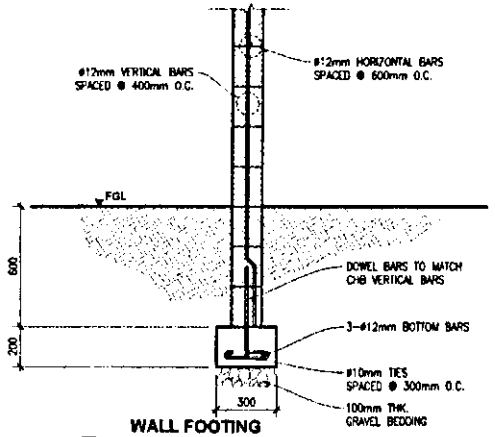
SEPT. 27, 2024



PORT POLICE BUILDING

1 ROOF FRAMING PLAN AT BOTTOM CHORD LEVEL

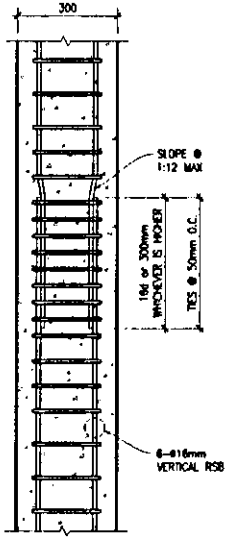
SCALE 1:100mts



WALL FOOTING

2 SECTION DETAIL

SCALE 1:25mts



COLUMN

3 CONTACT LAP SPLICE DETAILS

SCALE 1:15mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNANCE CENTER,
RAWIS, LEGAZPI CITY 4500

PROJECT TITLE

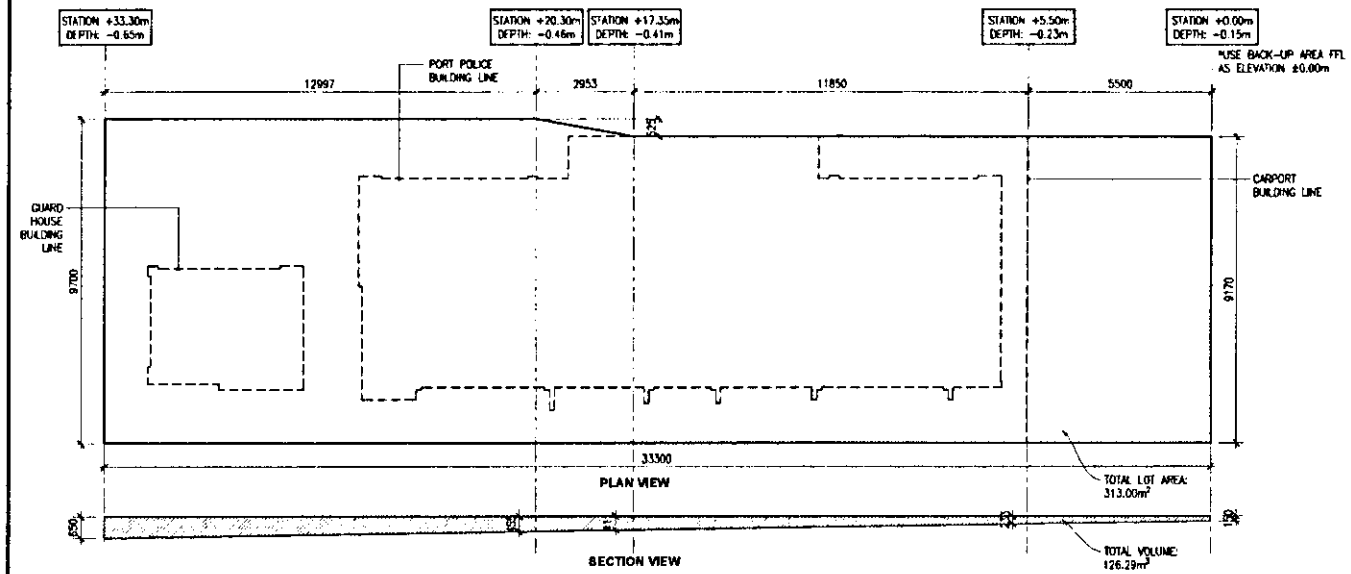
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

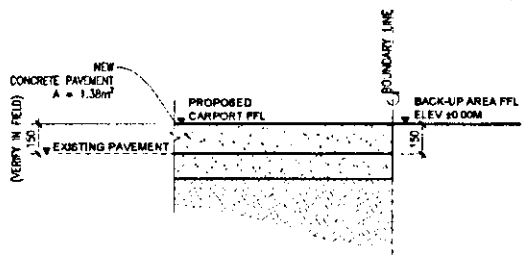
SHEET NO. 46 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD C. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

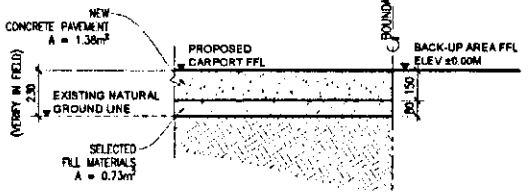
SEPT. 27, 2024



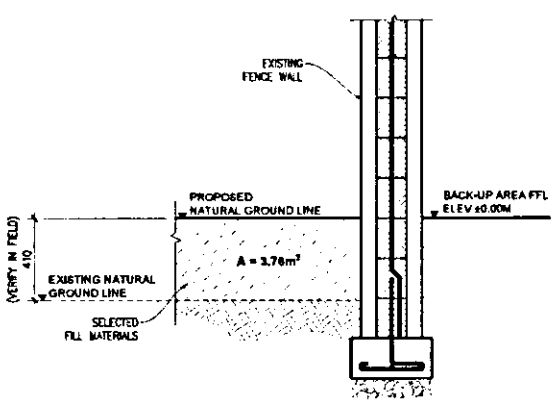
1 GENERAL PLAN
SCALE 1:150mts



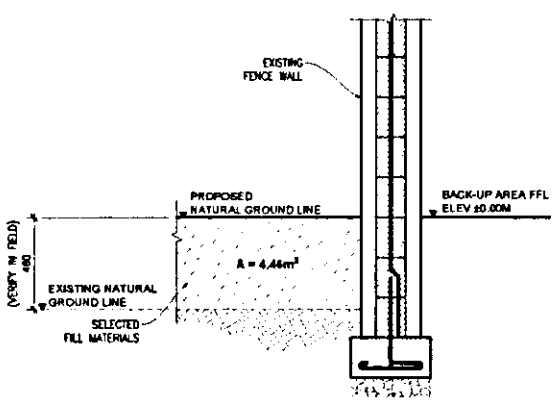
STATION +0.00M
2 SECTION
SCALE 1:25mts



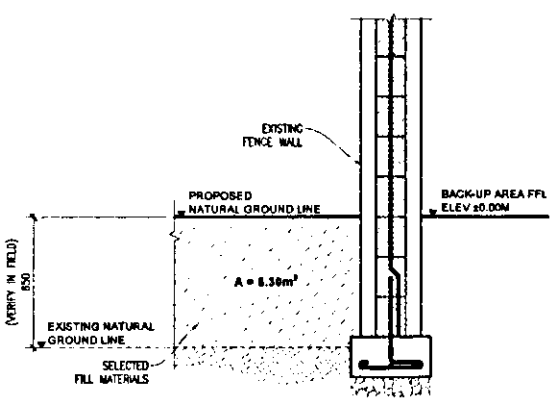
STATION +5.50M
3 SECTION
SCALE 1:25mts



STATION +17.35M
4 SECTION
SCALE 1:25mts



STATION +20.30M
5 SECTION
SCALE 1:25mts



STATION +33.30M
6 SECTION
SCALE 1:25mts

PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

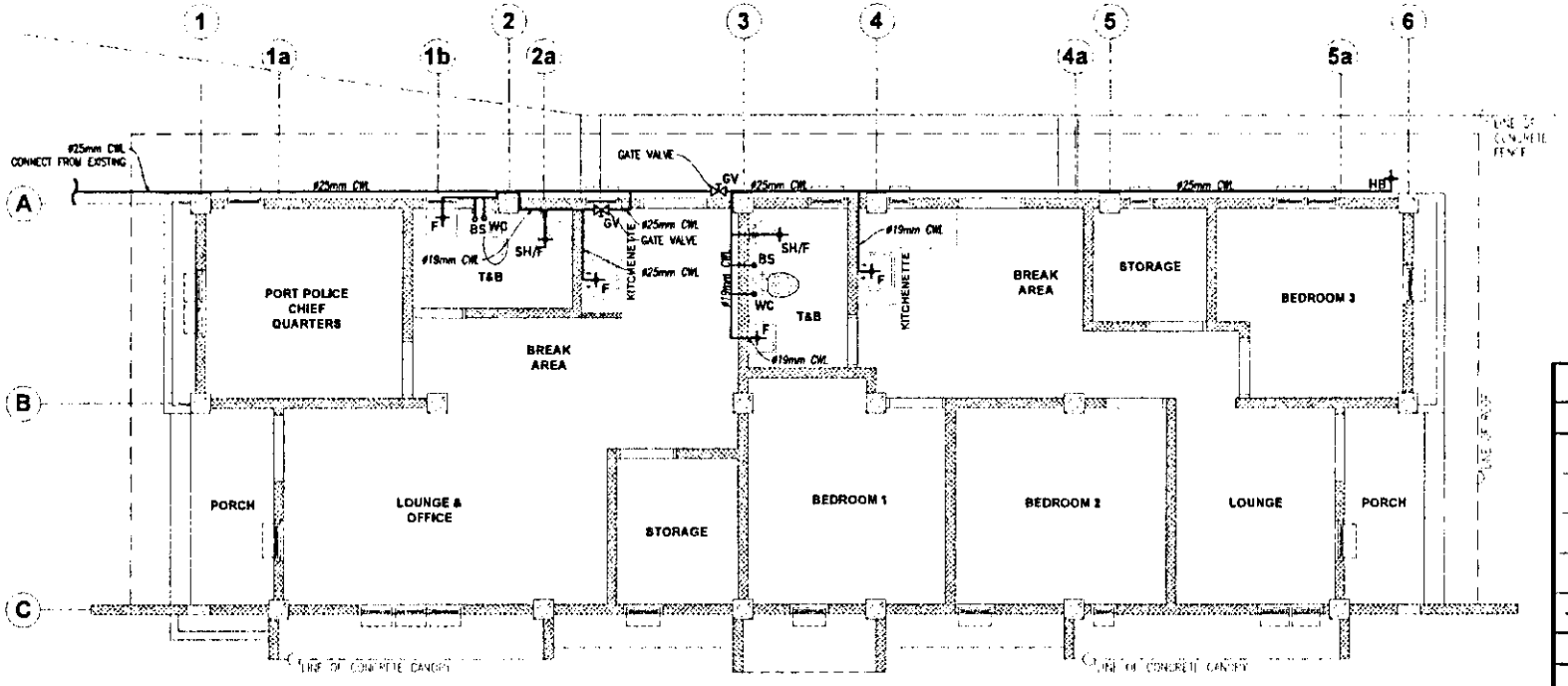
PROJECT TITLE
LOCATION: BASEPORT, LEGAZPI CITY

IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

SHEET NO. 47 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD U. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT III	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SEPT. 27, 2024



PORT POLICE BUILDING

1 WATER LINE LAYOUT

SCALE 1:75mts

LEGEND (NOT DRAWN TO SCALE)	
SYMBOL	DESCRIPTION
Ⓜ	WATER METER
⋈	GATE VALVE
⋈	CHECK VALVE
⊣⊢	FAUCET
———	WATER LINE

ABBREVIATIONS	
WM	WATER METER
F	FAUCET
LAV	LAVATORY
WC	WATER CLOSET
HB	HOSE BIBB
BS	BIDET SPRAY
SH	SHOWER
URI	URINAL
RP	RISER PIPE
CWL	COLD WATER LINE

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

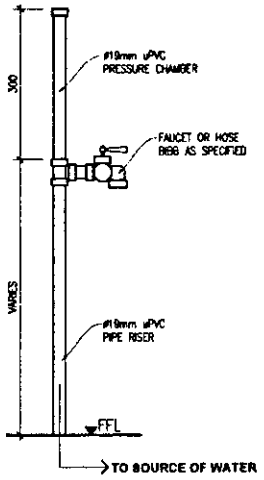
PROJECT TITLE
LOCATION: BASEPORT, LEGAZPI CITY

IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

SHEET NO. 48 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD A. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT IV	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SEPT. 27, 2024



PRESSURE CHAMBER

2 DETAIL

SCALE 1:10mts

WATER LINE LAYOUT

1 ISOMETRIC VIEW

SCALE 1:75mts

LEGEND
(NOT DRAWN TO SCALE)

SYMBOL	DESCRIPTION
Ⓜ	WATER METER
⋈	GATE VALVE
⋈	CHECK VALVE
⊣⊢	FAUCET
—·—·—	WATER LINE

ABBREVIATIONS

WM	WATER METER
F	FAUCET
LAV	LAVATORY
WC	WATER CLOSET
HB	HOSE BIBB
BS	BIDET SPRAY
SH	SHOWER
URI	URINAL
RP	RISER PIPE
CWL	COLD WATER LINE

PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

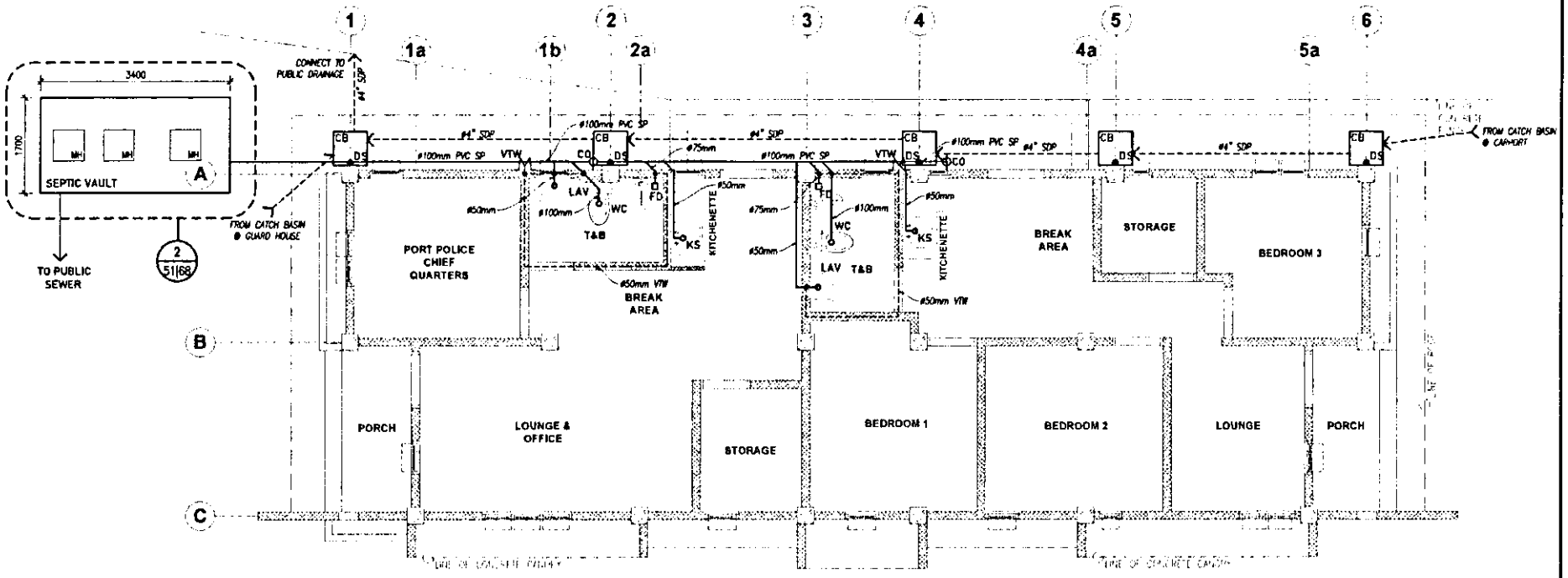
PROJECT TITLE
LOCATION: BASEPORT, LEGAZPI CITY

IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

SHEET NO. 49 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD J. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. HARAFINA	JAMES J. GANTALAO
ARCHITECT	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

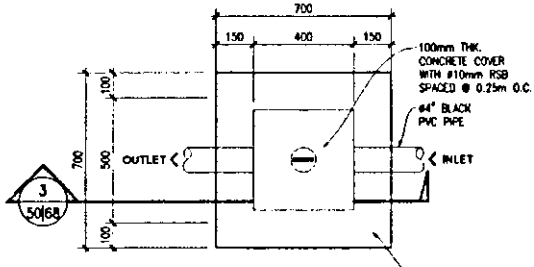
SEPT. 27, 2024



PORT POLICE BUILDING

1 SANITARY LAYOUT

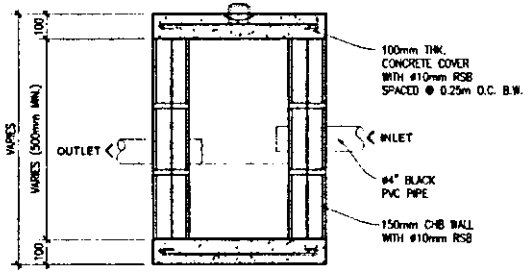
SCALE 1:75mts



CATCH BASIN

2 PLAN VIEW

SCALE 1:20mts



CATCH BASIN

3 SECTION

SCALE 1:20mts

LEGEND (NOT DRAWN TO SCALE)	
SYMBOL	DESCRIPTION
⊖	CLEAN OUT
M	VENT THROUGH WALL
------	VENT PIPE
——	SOIL PIPE

ABBREVIATIONS	
LAV	LAVATORY
WC	WATER CLOSET
KS	KITCHEN SINK
VTW	VENT THROUGH WALL
VP	VENT PIPE
CO	CLEAN OUT
FD	FLOOR DRAIN
HH	HANDHOLE
MH	MANHOLE
SP	SOIL PIPE
CB	CATCH BASIN
DS	DOWNSPOUT
SDP	STORM DRAIN PIPE

PHILIPPINE PORTS AUTHORITY

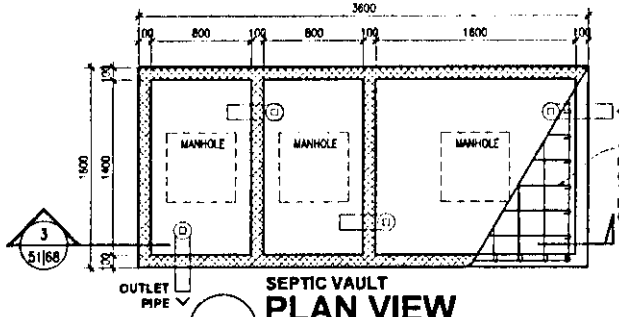
PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

PROJECT TITLE: IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

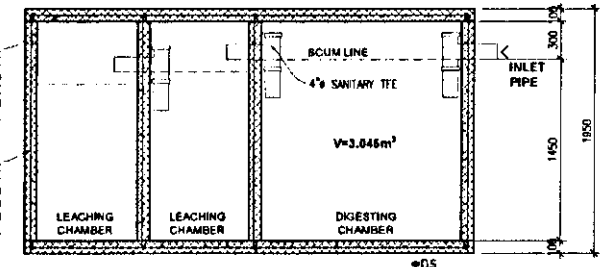
LOCATION: BASCPORT, LEGAZPI CITY

SHEET NO. 50 / 68

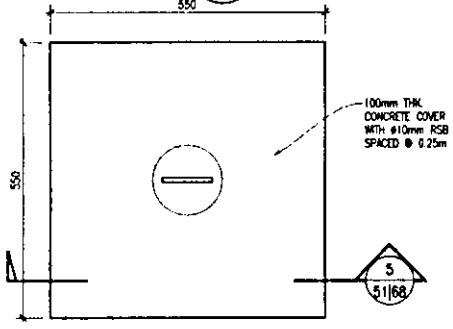
PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD D. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING
				SEPT. 27, 2024



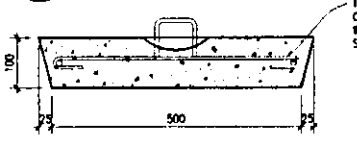
SEPTIC VAULT
2 PLAN VIEW
SCALE 1:40mts



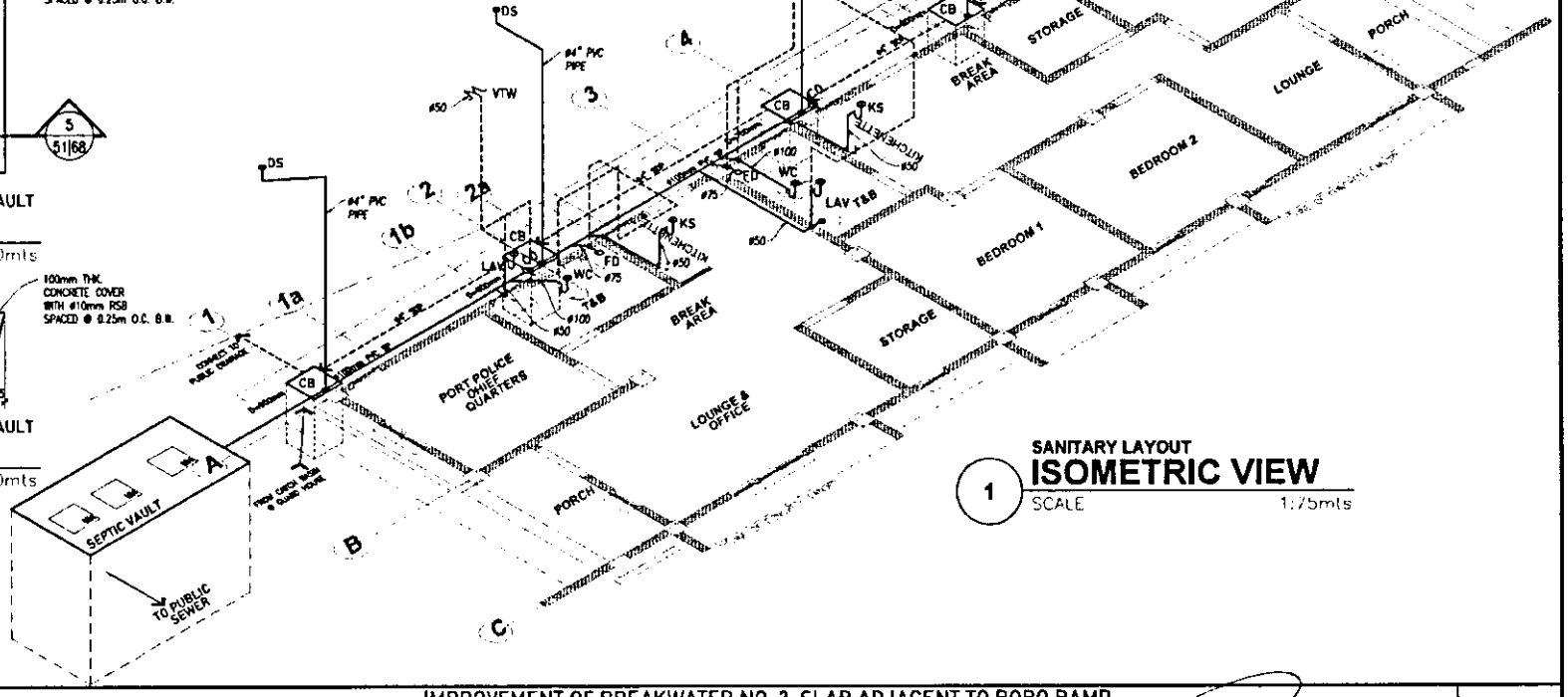
SEPTIC VAULT
3 SECTION
SCALE 1:40mts



MANHOLE COVER @ SEPTIC VAULT
4 PLAN VIEW
SCALE 1:10mts

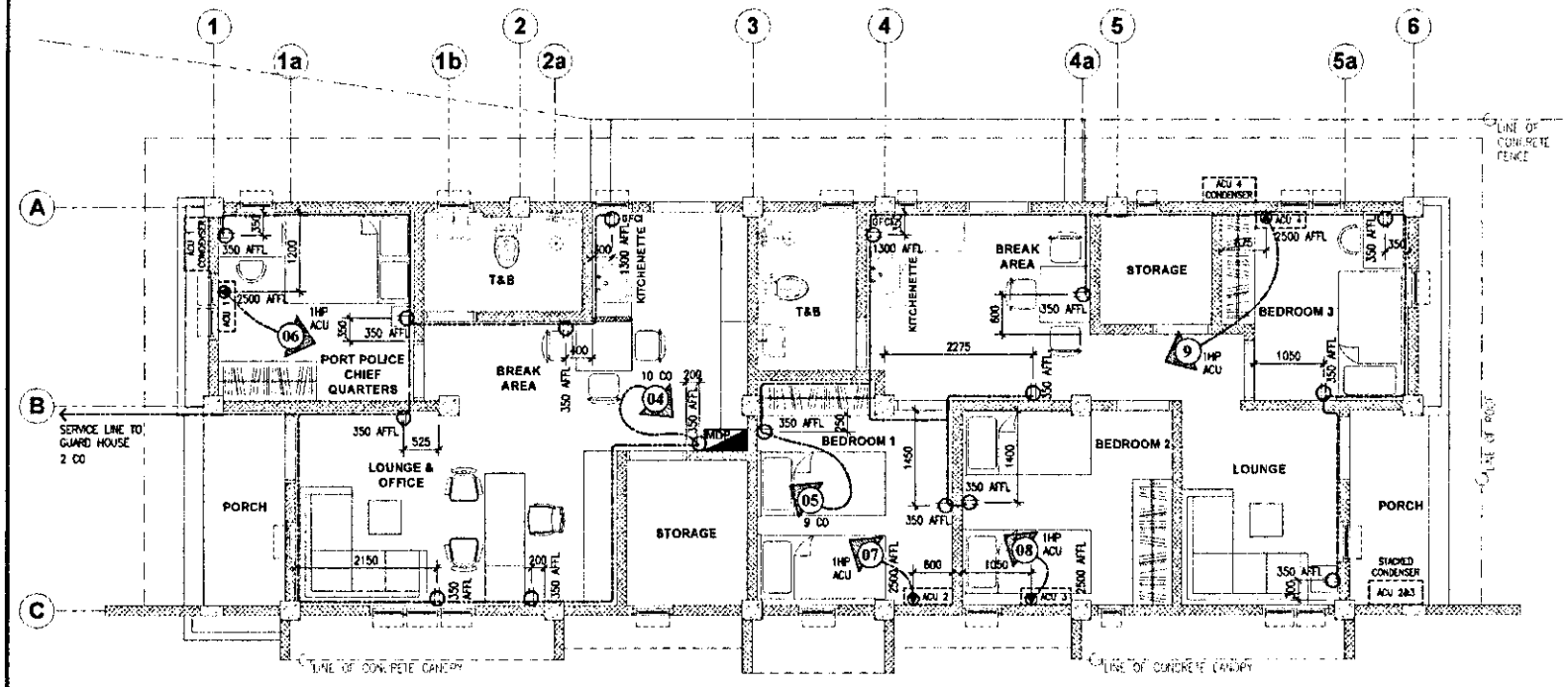


MANHOLE COVER @ SEPTIC VAULT
5 SECTION
SCALE 1:10mts



SANITARY LAYOUT
1 ISOMETRIC VIEW
SCALE 1:75mts

PHILIPPINE PORTS AUTHORITY PORT MANAGEMENT OFFICE OF BICOL REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500	PROJECT TITLE IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE LOCATION: BASEPORT, LEGAZPI CITY				SHEET NO. 51 68
PREPARED BY AGAPITO LLOYD L. TALAY, uap	CHECKED/REVIEWED BY JOHN S. DE LOS SANTOS ACTING DIVISION MANAGER A, ESD	SUBMITTED BY MA. MAGNOLIA SINSON-REQUEJO PORT MANAGER	RECOMMENDING APPROVAL REYNAND C. PARAFINA MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	APPROVED JAMES J. SANTALAO ASSISTANT GENERAL MANAGER FOR ENGINEERING	SEPT. 27, 2024



PORT POLICE BUILDING

1 POWER LAYOUT

SCALE 1:75mts

LEGEND (NOT DRAWN TO SCALE)	
SYMBOL	DESCRIPTION
10L	CIRCUIT HOMERUN
	CIRCUIT BREAKER
P	LOAD PANEL
MDP	MAIN DISTRIBUTION PANEL
WIRING	
	POWER LINE
	LIGHTING LINE
	SWITCH LINE
LIGHTING	
	TYPE: E27 – 12W LED LAMP W/ 6" ROUND SURFACE-MOUNTED FROSTED BLACK ALUMINUM HOUSING LIGHT COLOR: COOL WHITE QUANTITY: 5
	TYPE: E27 – 7W LED LAMP W/ 6" WHITE RECESSED CASING AND GLASS COVER LIGHT COLOR: COOL WHITE QUANTITY: 13
	TYPE: E27 – 12W LED LAMP W/ 6" WHITE RECESSED CASING AND GLASS COVER LIGHT COLOR: COOL WHITE/ DAYLIGHT QUANTITY: 16
	TYPE: TWIN-HEAD LED EMERGENCY LIGHT LIGHT COLOR: COOL WHITE QUANTITY: 2
OUTLETS	
	DUPLEX CONVENIENCE OUTLET
$_{SPO}$	SPECIAL OUTLET
$_{GFCI}$	CONVENIENCE OUTLET W/ GROUND FAULT CIRCUIT INTERRUPTER (GFCI)
	AIR-CONDITIONING UNIT
SWITCHES	
S	ONE GANG SWITCH
S_2	TWO GANG SWITCH
S_3	THREE GANG SWITCH
$S_{3W(a)}$	THREE-WAY SWITCH
CEILING	
	CEILING AIR VENT
	CEILING ACCESS PANEL

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

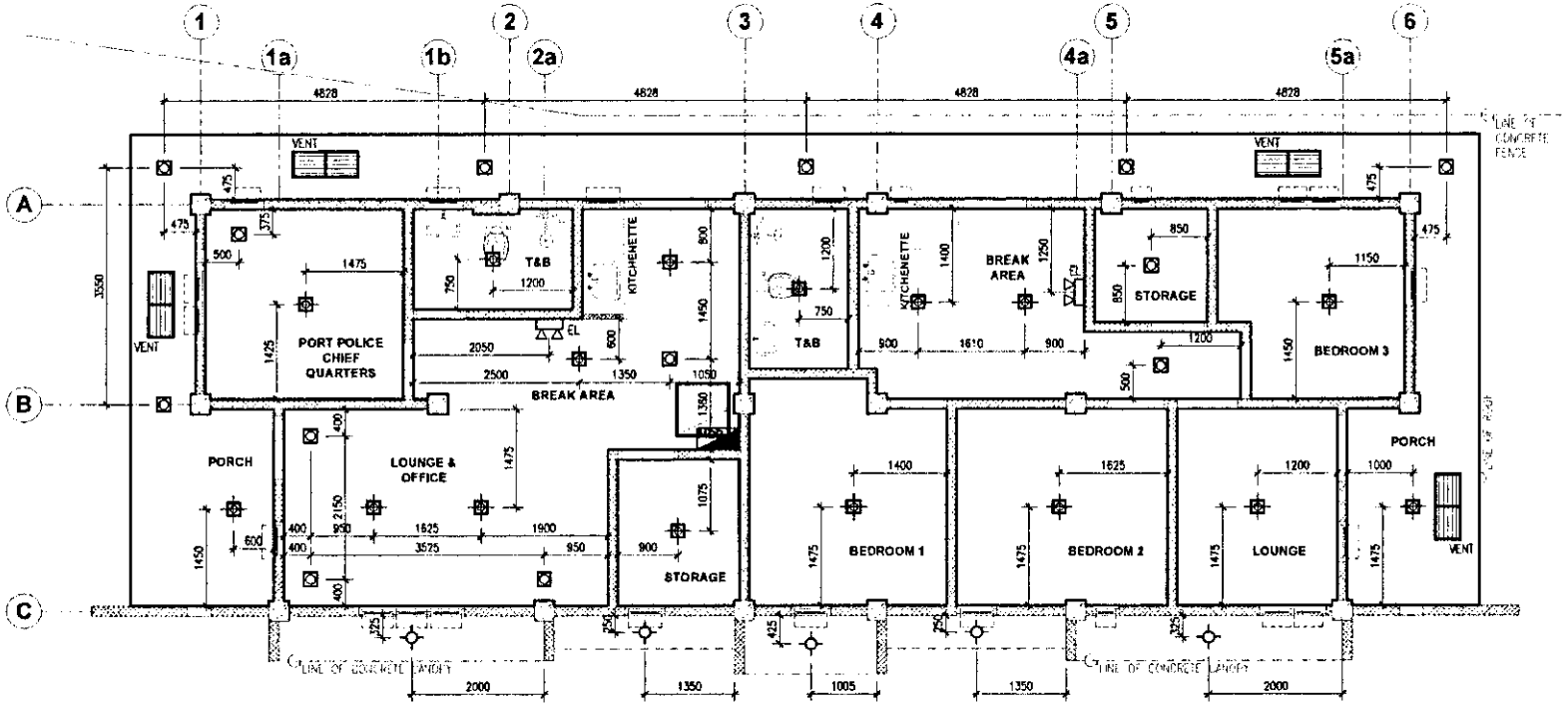
PROJECT TITLE: IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

SHEET NO. 52 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD A. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SEPT. 27, 2024



PORT POLICE BUILDING

1 LIGHTING LAYOUT

SCALE 1:75mts

LEGEND (NOT DRAWN TO SCALE)	
SYMBOL	DESCRIPTION
01	CIRCUIT HOMERUN
	CIRCUIT BREAKER
LP	LOAD PANEL
MDP	MAIN DISTRIBUTION PANEL
WIRING	
	POWER LINE
	LIGHTING LINE
	SWITCH LINE
LIGHTING	
	TYPE: E27 – 12W LED LAMP W/ 6" ROUND SURFACE-MOUNTED FROSTED BLACK ALUMINUM HOUSING LIGHT COLOR: COOL WHITE QUANTITY: 5
	TYPE: E27 – 7W LED LAMP W/ 6" WHITE RECESSED CASING AND GLASS COVER LIGHT COLOR: COOL WHITE QUANTITY: 13
	TYPE: E27 – 12W LED LAMP W/ 6" WHITE RECESSED CASING AND GLASS COVER LIGHT COLOR: COOL WHITE/ DAYLIGHT QUANTITY: 16
	TYPE: TWIN-HEAD LED EMERGENCY LIGHT LIGHT COLOR: COOL WHITE QUANTITY: 2
OUTLETS	
	DUPLEX CONVENIENCE OUTLET
SPO	SPECIAL OUTLET
GFCI	CONVENIENCE OUTLET W/ GROUND FAULT CIRCUIT INTERRUPTER (GFCI)
	AIR-CONDITIONING UNIT
SWITCHES	
S	ONE GANG SWITCH
S_2	TWO GANG SWITCH
S_3	THREE GANG SWITCH
$S_{3W}(a)$	THREE-WAY SWITCH
CEILING	
	CEILING AIR VENT
	CEILING ACCESS PANEL

PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

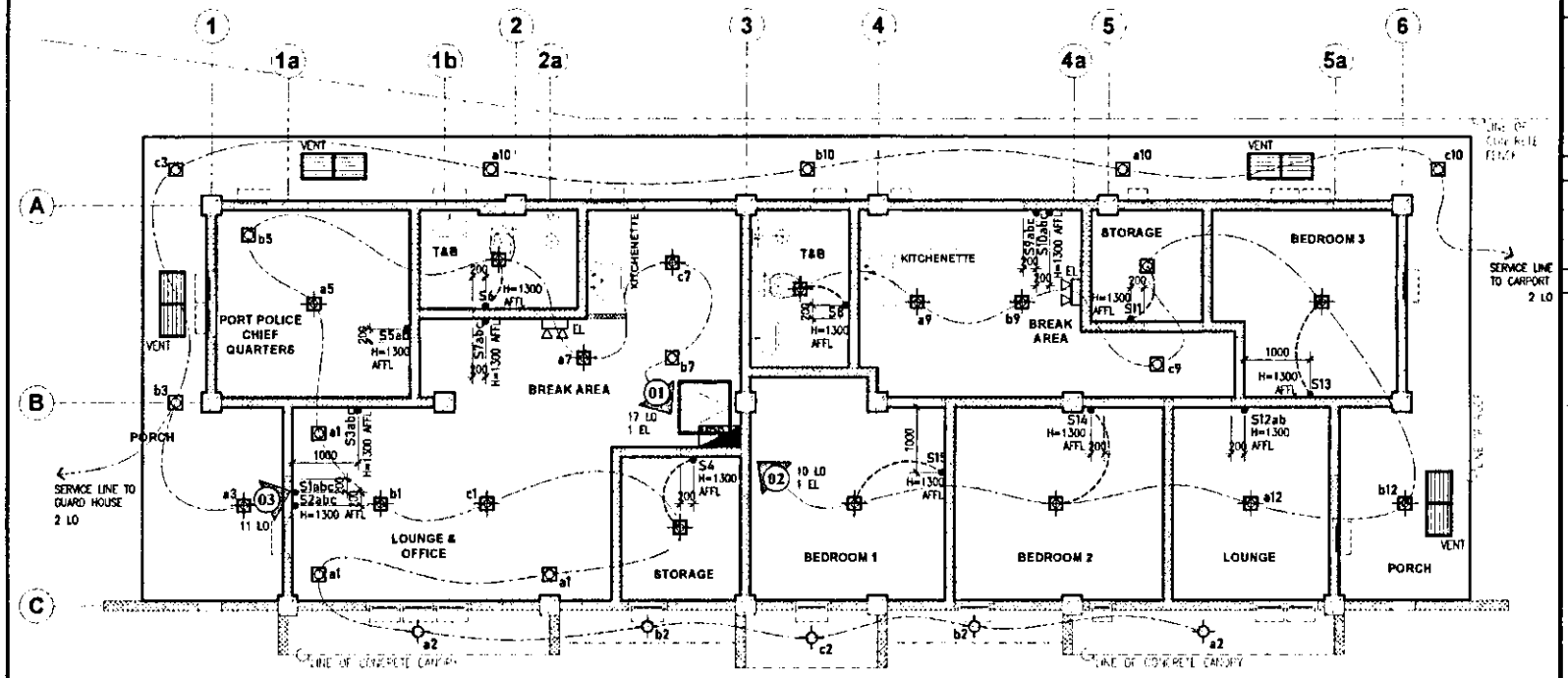
PROJECT TITLE
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

SHEET NO. 53 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD U. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SEPT. 27, 2024



PORT POLICE BUILDING

1 SWITCH LAYOUT

SCALE 1:75mts

LEGEND
(NOT DRAWN TO SCALE)

SYMBOL	DESCRIPTION
	CIRCUIT HOMERUN
	CIRCUIT BREAKER
	LOAD PANEL
MDP	MAIN DISTRIBUTION PANEL
WIRING	
	POWER LINE
	LIGHTING LINE
	SWITCH LINE
LIGHTING	
	TYPE: E27 – 12W LED LAMP W/ 6" ROUND SURFACE-MOUNTED FROSTED BLACK ALUMINUM HOUSING LIGHT COLOR: COOL WHITE QUANTITY: 5
	TYPE: E27 – 7W LED LAMP W/ 6" WHITE RECESSED CASING AND GLASS COVER LIGHT COLOR: COOL WHITE QUANTITY: 13
	TYPE: E27 – 12W LED LAMP W/ 6" WHITE RECESSED CASING AND GLASS COVER LIGHT COLOR: COOL WHITE/ DAYLIGHT QUANTITY: 16
	TYPE: TWIN-HEAD LED EMERGENCY LIGHT LIGHT COLOR: COOL WHITE QUANTITY: 2
OUTLETS	
	DUPLEX CONVENIENCE OUTLET
$_{SPO}$	SPECIAL OUTLET
$_{GFCI}$	CONVENIENCE OUTLET W/ GROUND FAULT CIRCUIT INTERRUPTER (GFCI)
	AIR-CONDITIONING UNIT
SWITCHES	
•S	ONE GANG SWITCH
•S_2	TWO GANG SWITCH
•S_3	THREE GANG SWITCH
•$S_{3W}(a)$	THREE-WAY SWITCH
CEILING	
	CEILING AIR VENT
	CEILING ACCESS PANEL

LIGHT SWITCHES

S1 LOCATION: LOUNGE/OFFICE	S2 LOCATION: CONCRETE CANOPY	S3 LOCATION: LOUNGE/OFFICE	S4 LOCATION: STORAGE @ PORT POLICE OFFICE	S5 LOCATION: PORT POLICE CHIEF QUARTERS	S6 LOCATION: T&B @ PORT POLICE OFFICE	S7 LOCATION: BREAK AREA @ PORT POLICE OFFICE	S8 LOCATION: T&B @ PORT POLICE QUARTERS	S9 LOCATION: BREAK AREA @ PORT POLICE QUARTERS	
S10 LOCATION: BREAK AREA @ PORT POLICE QUARTERS	S11 LOCATION: STORAGE @ PORT POLICE QUARTERS	S12 LOCATION: LOUNGE	S13 LOCATION: BEDROOM 3	S14 LOCATION: BEDROOM 2	S15 LOCATION: BEDROOM 1				

GENERAL NOTE | LIGHT SWITCHES

SPECIFICATIONS:
METALLIC GRAY COLOR, SOFT SWITCH WITH QUICK CONNECT TERMINALS

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REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

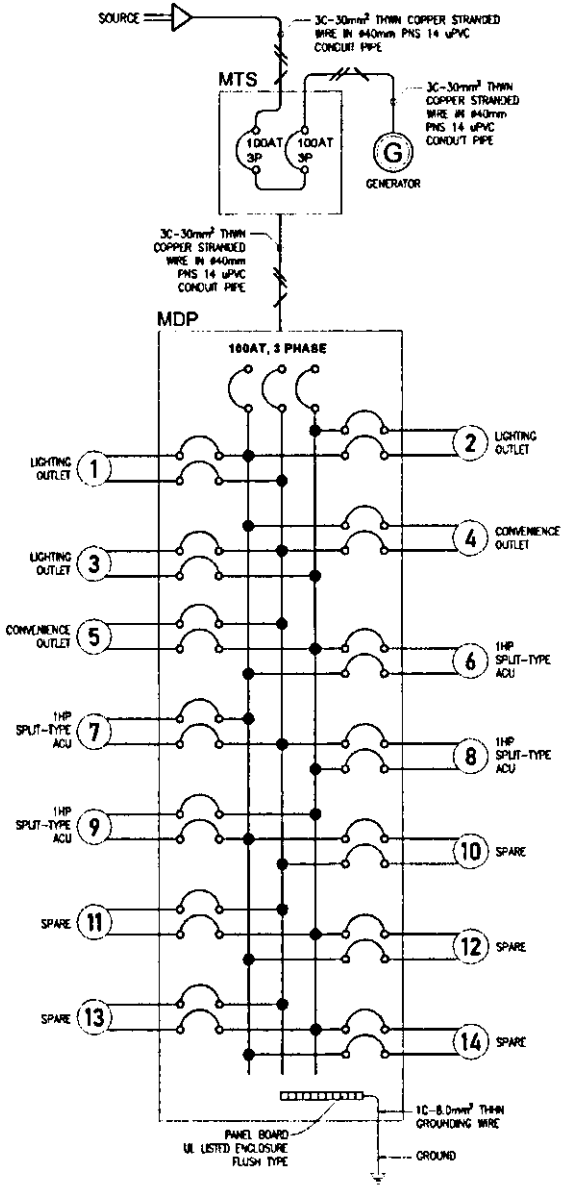
PROJECT TITLE
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

SHEET NO. 54 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
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ARCHITECT III	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SEPT. 27, 2024



SCHEDULE OF LOADS

LOAD DISTRIBUTION PANEL - PPD BUILDING | BASEPORT

CKT NO.	C.B. RATING				CONNECTED LOADS					DESCRIPTION OF LOADS	VA	AMPS			FEEDER			RACEWAY	
	VOLTS	AT	AF	POLE	LO	CO	SPO	EL	OTHERS			AB	BC	CA	WIRE	SIZE (mm2)	TYPE	SIZE (mm2)	CONDUIT
1	230	20	50	2	17			1		LIGHTING OUTLET	1880	8.17			2	3.5	THHN	25	uPVC
2	230	20	50	2	10			1		LIGHTING OUTLET	1180			5.13	2	3.5	THHN	25	uPVC
3	230	20	50	2	11					LIGHTING OUTLET	1100		4.78		2	3.5	THHN	25	uPVC
4	230	20	50	2		10				CONVENIENCE OUTLET	1800	7.83			2	3.5	THHN	25	uPVC
5	230	20	50	2		9				CONVENIENCE OUTLET	1620		7.04		2	3.5	THHN	25	uPVC
6	230	30	50	2			1			1HP SPLIT-TYPE ACU (CHIEF QUARTERS)	1200			5.22	2	3.5	THHN	25	uPVC
7	230	30	50	2			1			1HP SPLIT-TYPE ACU (BEDROOM 1)	1200	5.22			2	5.5	THHN	25	uPVC
8	230	30	50	2			1			1HP SPLIT-TYPE ACU (BEDROOM 2)	1200		5.22		2	5.5	THHN	25	uPVC
9	230	30	50	2			1			1HP SPLIT-TYPE ACU (BEDROOM 3)	1200			5.22	2	5.5	THHN	25	uPVC
10	230	20	50	2					1	SPARE	1000	4.35			2	5.5	THHN	25	uPVC
11	230	20	50	2					1	SPARE	1000		4.35		2	5.5	THHN	25	uPVC
12	230	20	50	2					1	SPARE	1000			4.35	2	5.5	THHN	25	uPVC
13	230	20	50	2					1	SPARE	1000		4.35		2	3.5	THHN	25	uPVC
14	230	20	50	2					1	SPARE	1000			4.35	2	3.5	THHN	25	uPVC
TOTAL	230	100	150	3	38	19	4	2	8	MAIN	17380	25.87	25.74	24.26	1	30 - 8.00	THWN	40	uPVC

COMPUTATION OF CONNECTED LOADS

TOTAL LOADS:

LIGHTING LOADS	=	4,160VA
SMALL APPLIANCE LOADS	=	3,420VA
TOTAL	=	7,580VA

3000VA @ 100% D.F.	=	3,000VA
REMAINDER @ 35% D.F.	=	1,603VA
TOTAL	=	4,603VA

OTHER LOADS:

1.0 HP SPLIT-TYPE ACU (4 UNITS)	=	4,800VA
SPARE (5)	=	5,000VA
TOTAL	=	9,800VA

COMPUTATION:

I_L = 36.15A X 1.25

I_L = 45.19 AMPERES

MAIN FEEDER CONDUCTOR:

USE:
3C-30mm² THWN COPPER STRANDED WIRE IN ø40mm PNS 14 uPVC CONDUIT PIPE
1C-8.0mm² THHN GROUNDING WIRE

MAIN PROTECTION DEVICE:

USE:
100AT, 150AF, 3-POLE, 230 VOLTS
18 KAIC (MIN.) BOLT-ON TYPE MCCB

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REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

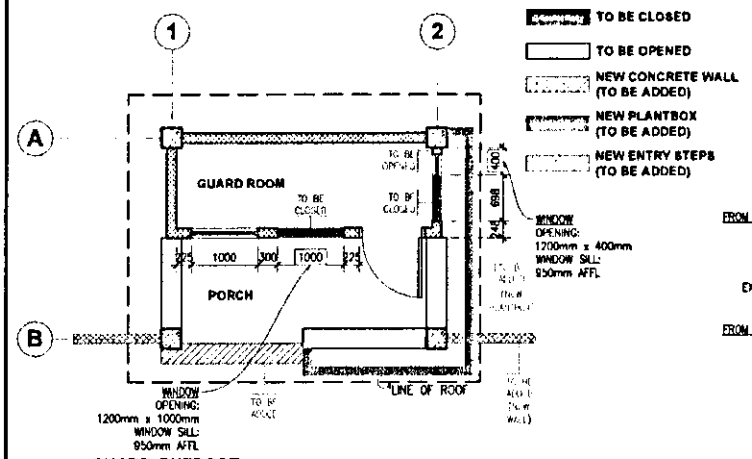
PROJECT TITLE
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

SHEET NO. 55 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD A. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ENGINEER II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

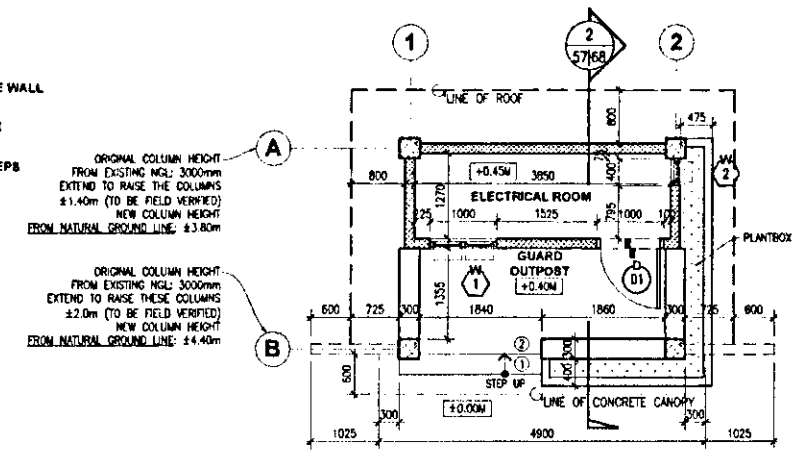
SEPT. 27, 2024



GUARD OUTPOST

1 DEMOLITION PLAN

SCALE 1:75mts

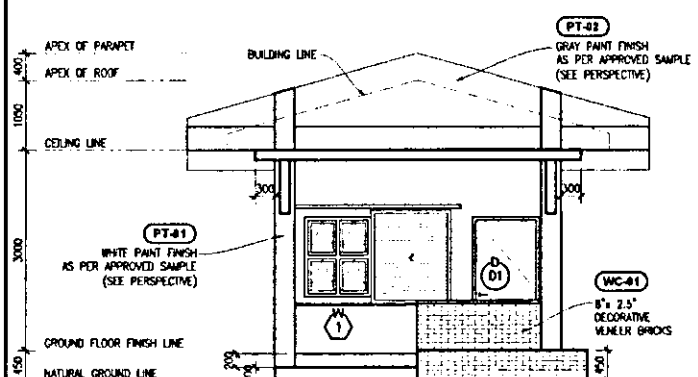


GUARD OUTPOST

2 PARTITION PLAN

SCALE 1:75mts

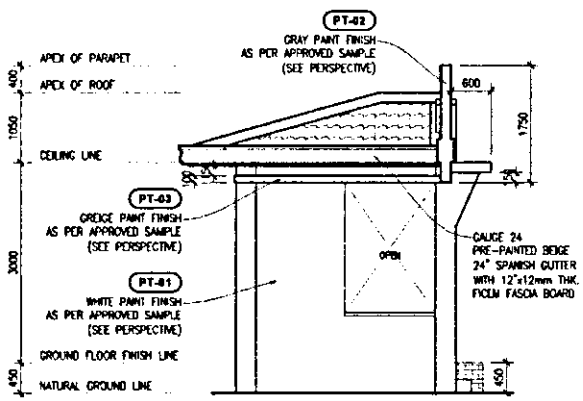
SCOPE OF WORK: GUARD HOUSE	
ASSESSMENT	UNIT/QUANTITY
RAISE FINISH FLOOR LEVEL	±450mm FROM FIN. PAVEMENT
EXTENSION OF EXISTING COLUMNS	SEE DETAILS
EXTENSION OF EXISTING WALLS	SEE DETAILS
CONSTRUCTION OF PARAPET	SEE DETAILS
CONSTRUCTION OF CONCRETE CANOPY	SEE DETAILS
DEMOLITION AND CONSTRUCTION OF NEW REINFORCED CONCRETE BEAMS	SEE DETAILS
CONSTRUCTION OF PLANTBOX	SEE DETAILS
CONSTRUCTION OF ENTRY STEPS	SEE DETAILS
INSTALLATION OF FLOOR TILES	FT-01: 5.50m² FT-02: 7.00m²
INSTALLATION OF WALL CLADDING	WC-01: 4.60m²
REPLACEMENT OF ROOF	A=24.00m²
INSTALLATION OF FICEM FASCIA BOARD	TOTAL LENGTH = 9.80m
INSTALLATION OF SPANISH GUTTER	TOTAL LENGTH = 9.60m
REPLACEMENT OF CEILING	A=20.00m²
INSTALLATION OF CORNICE	1" x 1": 26.00m 3" x 3": 21.00m
INSTALLATION OF 10mm THK. POLYETHYLENE FOAM DOUBLE FOIL ROOF INSULATION	SEE DETAILS
REPLACEMENT OF DOOR	SEE DETAILS
REPLACEMENT OF WINDOWS	SEE DETAILS
PROVISION FOR SLIDING METAL STORM SHUTTERS AND TEMPORARY LOCKSETS	SEE DETAILS
REPAINTING OF EXTERIOR AND INTERIOR WALLS AND SURFACES	SEE PAINT SCHEDULE FOR FINISHES
REWIRING AND INSTALLATION OF LIGHTING FIXTURES, POWER OUTLETS, AND ELECTRICAL DEVICES	SEE DETAILS



GUARD OUTPOST

3 FRONT ELEVATION

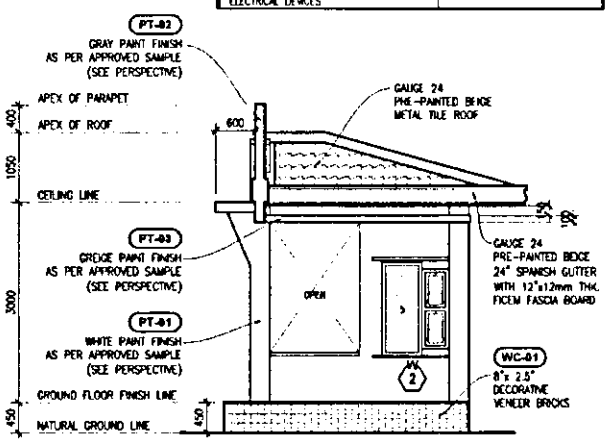
SCALE 1:75mts



GUARD OUTPOST

4 LEFT SIDE ELEVATION

SCALE 1:75mts



GUARD OUTPOST

5 RIGHT SIDE ELEVATION

SCALE 1:75mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER,
RAWIS, LEGAZPI CITY 4500

PROJECT TITLE

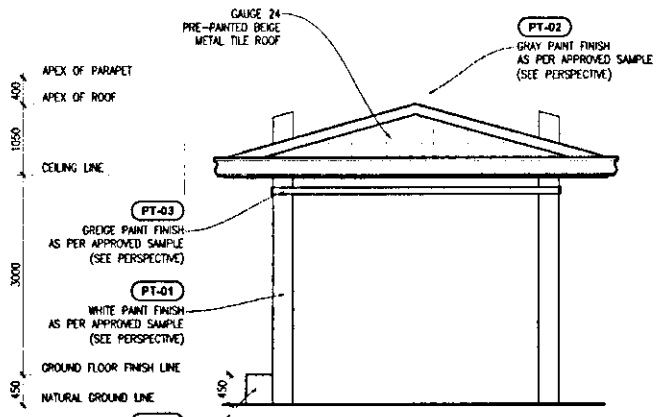
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

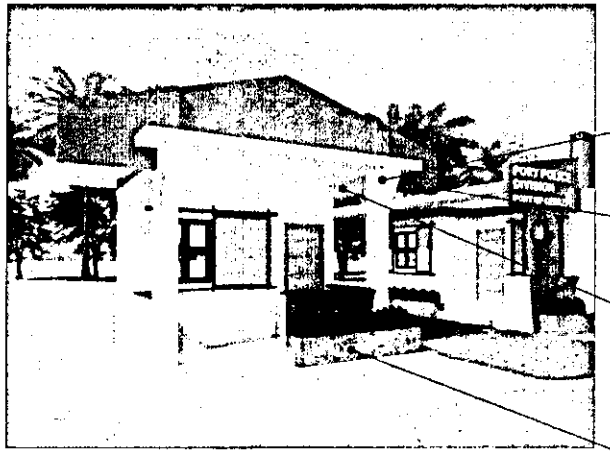
SHEET NO. 56 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD L. TALAY, uap	JOHN S. DE LOS SANTOS,	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ENGINEER II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SEPT. 27, 2024



GUARD OUTPOST
1 REAR ELEVATION
SCALE 1:75mts



GUARD OUTPOST
3 PERSPECTIVE
SCALE NTS

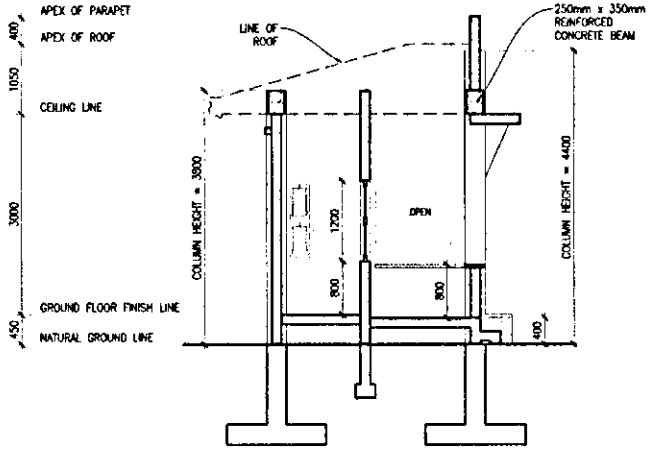
FINISH SCHEDULE

WALL PAINT

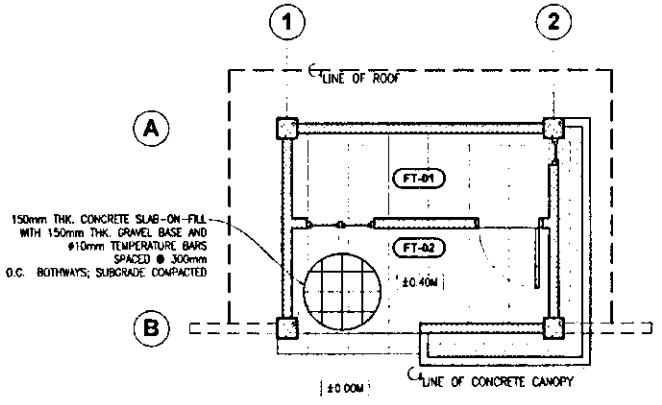
PT-01	COLOR: WHITE SHEEN: GLOSS
PT-02	COLOR: GRAY SHEEN: GLOSS
PT-03	COLOR: GREIGE SHEEN: GLOSS

WALL CLADDING

WC-01	SIZE PER PIECE: 8" x 2.5" COLOR: VENETIAN RED INSTALLATION: STAGGERED 50%



GUARD OUTPOST
2 SECTION
SCALE 1:75mts



GUARD OUTPOST
4 FLOOR FINISH PLAN
SCALE 1:75mts

FINISH SCHEDULE

FLOOR TILE

FT-01	AREA: 5.50m² SPECIFICATIONS: 60cm x 60cm GLAZED PORCELAIN FLOOR TILES INSTALLATION: STRAIGHT MATCH
FT-02	AREA: 7.00m² SPECIFICATIONS: 60cm X 60cm CERAMIC ANTI-SLIP FLOOR TILE INSTALLATION: STRAIGHT MATCH

PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

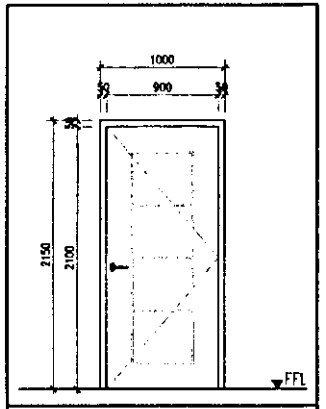
PROJECT TITLE
LOCATION: BASEPORT, LEGAZPI CITY

IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

SHEET NO. 57 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD L. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

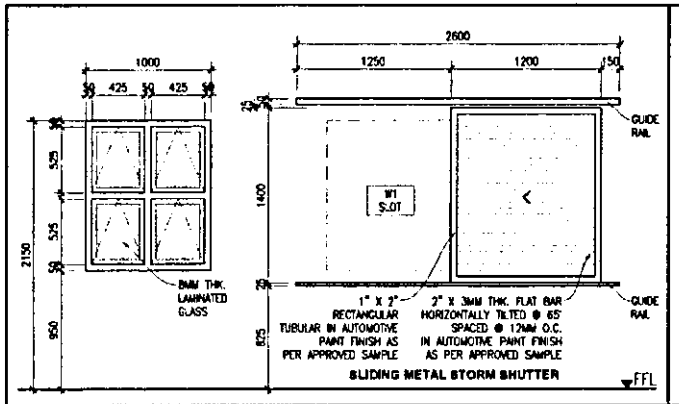
SEPT. 27, 2024



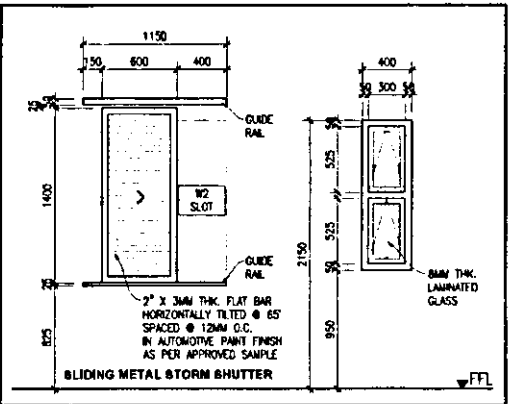
①
TYPE: PANEL DOOR W/ 10mm GROOVE
MATERIAL: HARDWOOD
JAMB: HARDWOOD
LOCATION: PORCH
REQUIRED: 1

1 DOOR SCHEDULE

SCALE 1:40mts



W1
TYPE: AWNING WINDOW
MATERIAL: uPVC FRAME W/ 8mm THK. LAMINATED WINDOW PANE
JAMB: uPVC
LOCATION: PORCH
REQUIRED: 1



W2
TYPE: AWNING WINDOW
MATERIAL: uPVC FRAME W/ 8mm THK. LAMINATED WINDOW PANE
JAMB: uPVC
LOCATION: GUARD ROOM
REQUIRED: 1

2 WINDOW SCHEDULE

SCALE 1:40mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

PROJECT TITLE
LOCATION: BASEPORT, LEGAZPI CITY

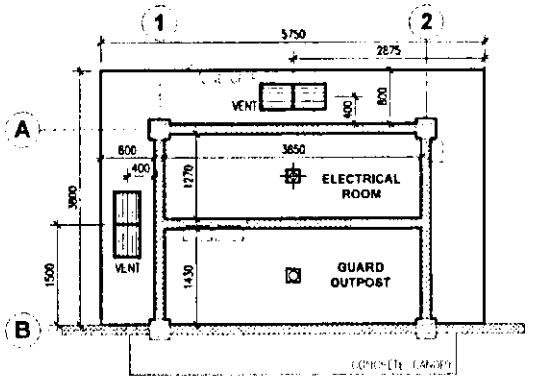
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

SHEET NO. 58 / 68

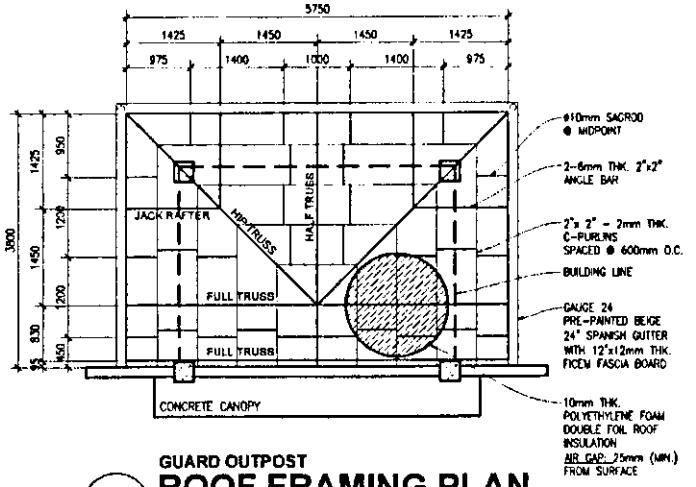
PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD A. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-ALQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SEPT. 27, 2024

CEILING
AREA: 20.00m² USE: 12mm THK. GYPSUM BOARD PAINTED ON 0.40 mm THK. GALVANIZED STEEL CEILING SUSPENSION SYSTEM @ 0.40 m O.C. (FURRING), 0.60 m O.C. (CARRYING CHANNEL) AND 1.23 m O.C. BOTH WAYS (SUSPENSION ROD) GENERAL NOTE: REMOVE AND REPLACE ALL CEILING ON-SITE
CORNICE
USE: 3" x 3" (PROFILE - SEE DETAILS) TOTAL LENGTH: 21.00m PAINT COLOR: GREICE LOCATION: ALL ROOMS EXCEPT EAVES
USE: 1" x 1" (PROFILE - SEE DETAILS) TOTAL LENGTH: 26.00m PAINT COLOR: GREICE LOCATION: EAVES
CEILING VENT
DIMENSION: SEE DETAILS PAINT COLOR: WHITE QUANTITY: 2 SETS
LIGHTING FIXTURES
TYPE: E27 - 7W LED LAMP W/ 6" WHITE RECESSED CASING AND GLASS COVER LIGHT COLOR: COOL WHITE QUANTITY: 1
TYPE: E27 - 12W LED LAMP W/ 6" WHITE RECESSED CASING AND GLASS COVER LIGHT COLOR: COOL WHITE/ DAYLIGHT QUANTITY: 1

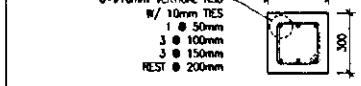


GUARD OUTPOST
1 REFLECTED CEILING PLAN
SCALE 1:75mts

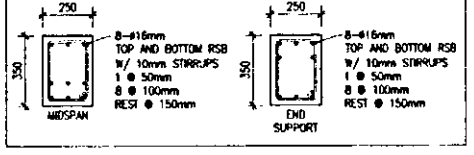


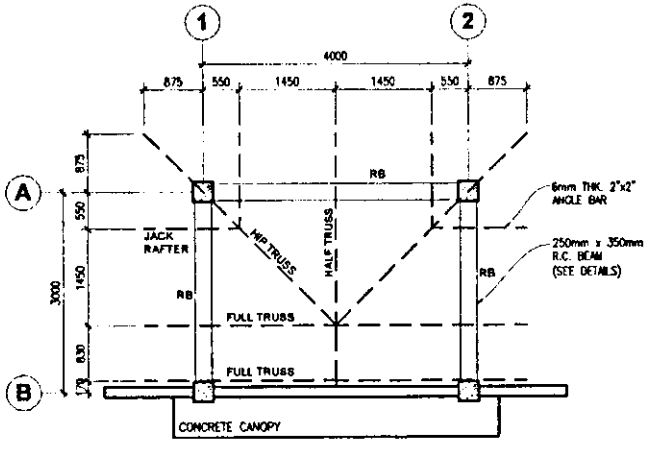
GUARD OUTPOST
2 ROOF FRAMING PLAN
SCALE 1:75mts

COLUMN DETAILS

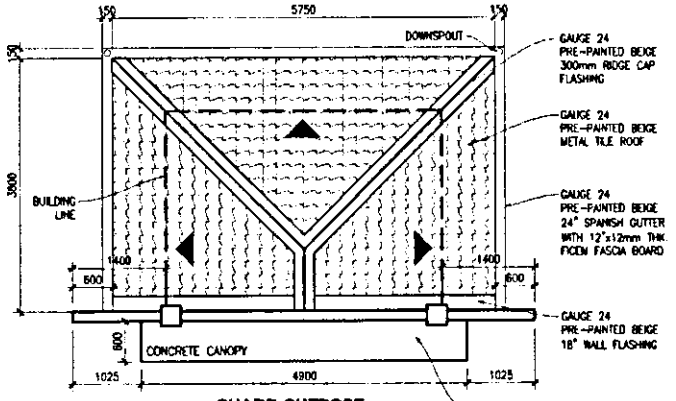


FTB/RB DETAILS





GUARD OUTPOST
3 ROOF FRAMING PLAN AT BOTTOM CHORD LEVEL
SCALE 1:75mts



GUARD OUTPOST
4 ROOF PLAN
SCALE 1:75mts

PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

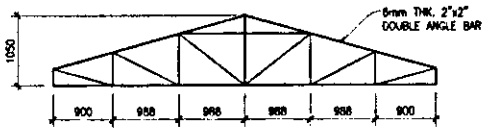
PROJECT TITLE: IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

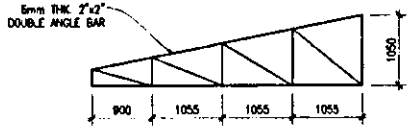
SHEET NO. 59 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD D. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

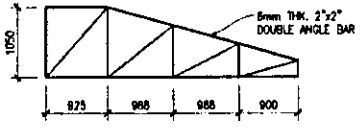
SEPT. 27, 2024



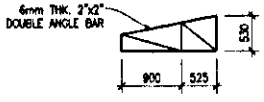
FULL TRUSS
1 SECTION
SCALE 1:75mts



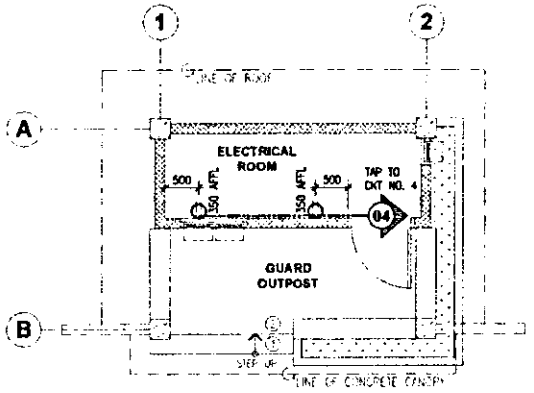
HIP TRUSS
2 SECTION
SCALE 1:75mts



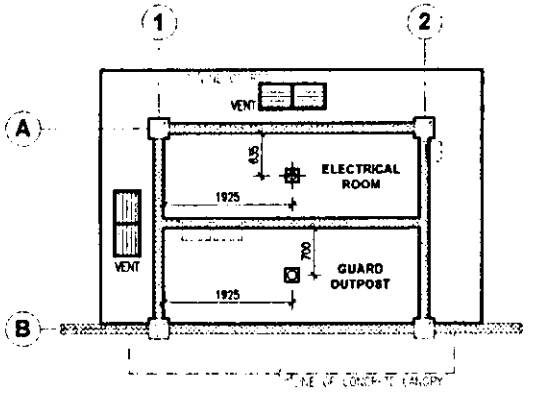
RIDGE AND HALF TRUSS
3 SECTION
SCALE 1:75mts



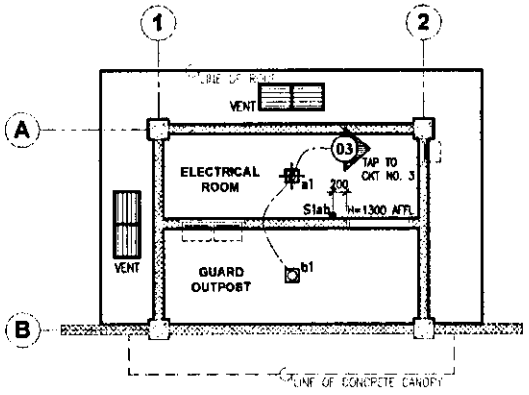
JACK RAFTER
4 SECTION
SCALE 1:75mts



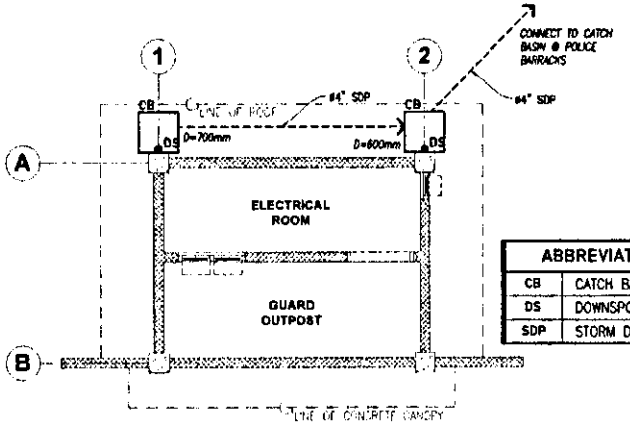
GUARD OUTPOST
5 POWER LAYOUT
SCALE 1:75mts



GUARD OUTPOST
6 LIGHTING LAYOUT
SCALE 1:75mts

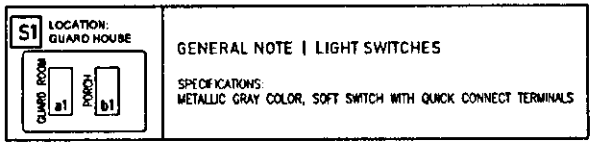


GUARD OUTPOST
7 SWITCH LAYOUT
SCALE 1:75mts



ABBREVIATIONS	
CB	CATCH BASIN
DS	DOWNSPOUT
SDP	STORM DRAIN PIPE

GUARD OUTPOST
8 SANITARY LAYOUT
SCALE 1:75mts



GENERAL NOTE | LIGHT SWITCHES

SPECIFICATIONS:
METALLIC GRAY COLOR, SOFT SWITCH WITH QUICK CONNECT TERMINALS

PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

PROJECT TITLE:
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

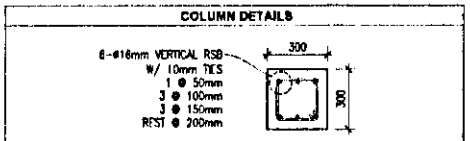
LOCATION: BASEPORT, LEGAZPI CITY

SHEET NO. 60 / 68

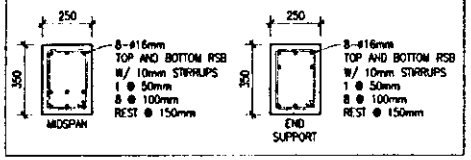
PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD LUTALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SEPT. 27, 2024

COLUMN DETAILS



FTB/RB DETAILS

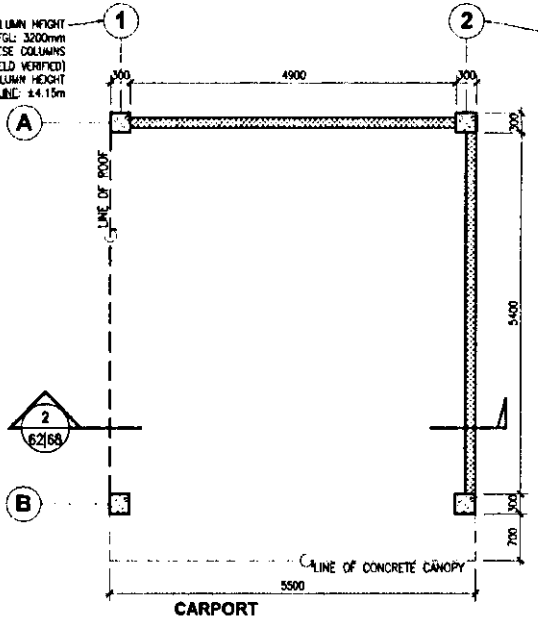


SCOPE OF WORK: CARPORT	
ASSESSMENT	UNIT/QUANTITY
EXTENSION OF EXISTING COLUMNS	SEE DETAILS
EXTENSION OF EXISTING WALLS	SEE DETAILS
CONSTRUCTION OF PARAPET	SEE DETAILS
CONSTRUCTION OF CONCRETE CANOPY	SEE DETAILS
DEMOLITION AND CONSTRUCTION OF NEW REINFORCED CONCRETE BEAMS	SEE DETAILS
REPLACEMENT OF ROOF	A=30.00m²
INSTALLATION OF FICEM FASCIA BOARD	TOTAL LENGTH = 5.50m
INSTALLATION OF SPANISH GUTTER	TOTAL LENGTH = 5.50m
REPLACEMENT OF CEILING	A=30.00m²
INSTALLATION OF CORNICE	1" x 1": 26.00m
REPAINTING OF EXTERIOR AND INTERIOR WALLS AND SURFACES	SEE PAINT SCHEDULE FOR FINISHES
REWIRING AND INSTALLATION OF LIGHTING FIXTURES, POWER OUTLETS, AND ELECTRICAL DEVICES	SEE DETAILS

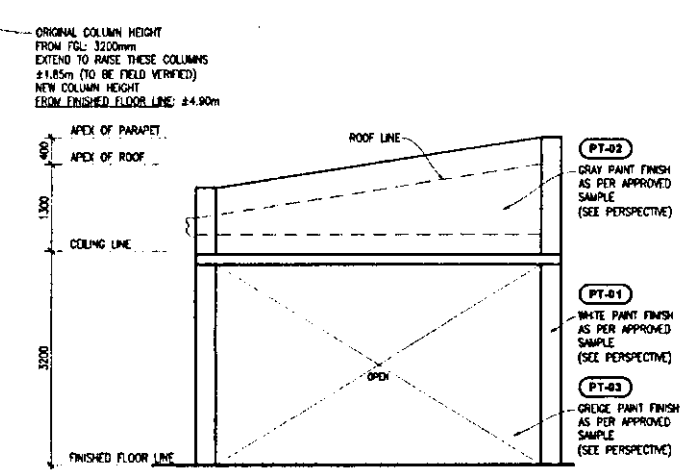
FINISH SCHEDULE

WALL PAINT

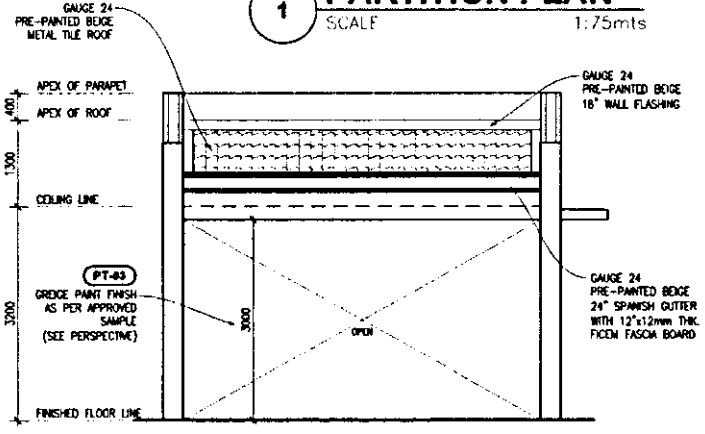
	PT-01 COLOR: WHITE SHEEN: GLOSS
	PT-02 COLOR: GRAY SHEEN: GLOSS
	PT-03 COLOR: GREIGE SHEEN: GLOSS



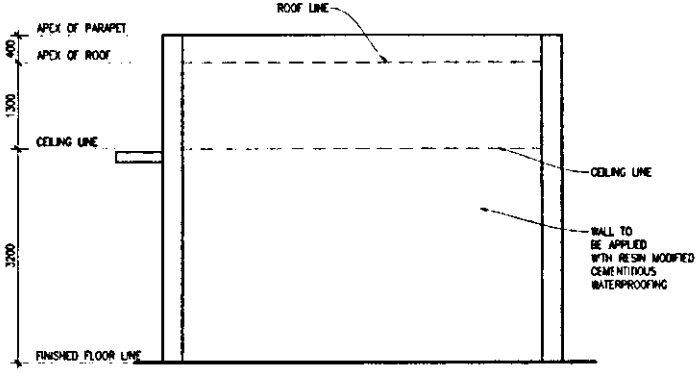
CARPORT
1 PARTITION PLAN
SCALE 1:75mts



CARPORT
2 FRONT ELEVATION
SCALE 1:75mts



CARPORT
3 LEFT SIDE ELEVATION
SCALE 1:75mts



CARPORT
4 RIGHT SIDE ELEVATION
SCALE 1:75mts

PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

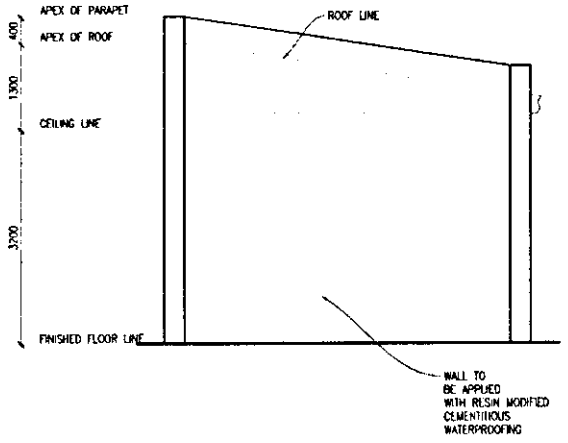
PROJECT TITLE
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

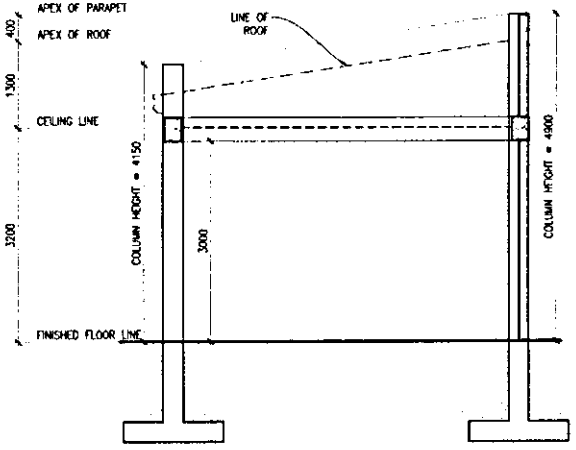
SHEET NO. 61/68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD L. TALAY, uap ARCHITECT II	JOHN S. DE LOS SANTOS ACTING DIVISION MANAGER A, ESD	MA. MAGNOLIA SINSON-BEQUEJO PORT MANAGER	REYNAND C. PARAFINA MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	JAMES J. GANTALAO ASSISTANT GENERAL MANAGER FOR ENGINEERING

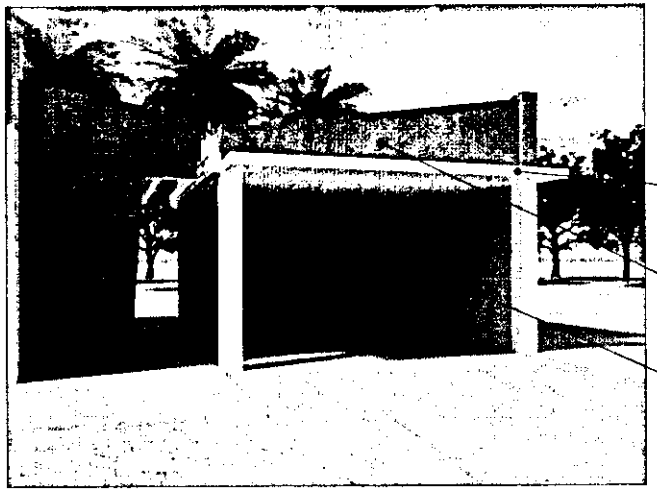
SEPT. 27, 2024



CARPORT
1 REAR ELEVATION
SCALE 1:75mts



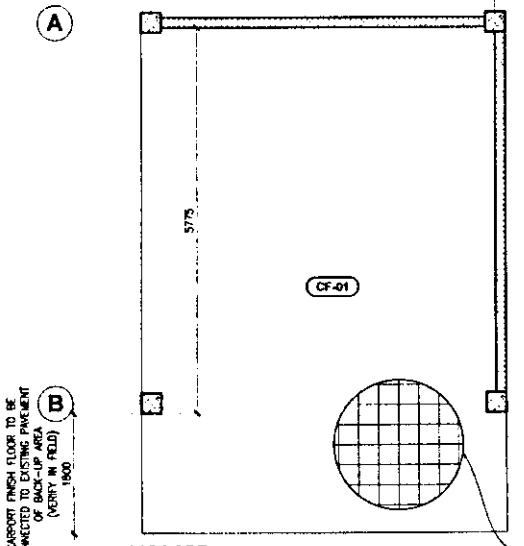
CARPORT
2 SECTION
SCALE 1:75mts



CARPORT
3 PERSPECTIVE
SCALE NTS

FINISH SCHEDULE	
WALL PAINT	
PT-01	COLOR: WHITE SHEEN: GLOSS
PT-02	COLOR: GRAY SHEEN: GLOSS
PT-03	COLOR: GREIGE SHEEN: GLOSS

FINISH SCHEDULE
CF-01
AREA: ±40.00m²
TYPE: CONCRETE
FINISH: BROOM FINISH



CARPORT
4 FLOOR FINISH PLAN
SCALE 1:75mts

PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

PROJECT TITLE
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

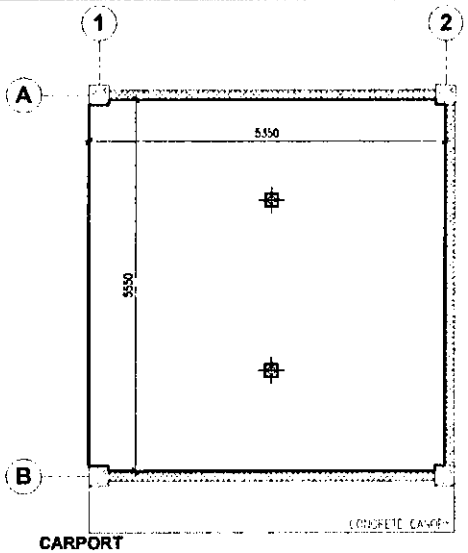
LOCATION: BASEPORT, LEGAZPI CITY

SHEET NO. 62 / 68

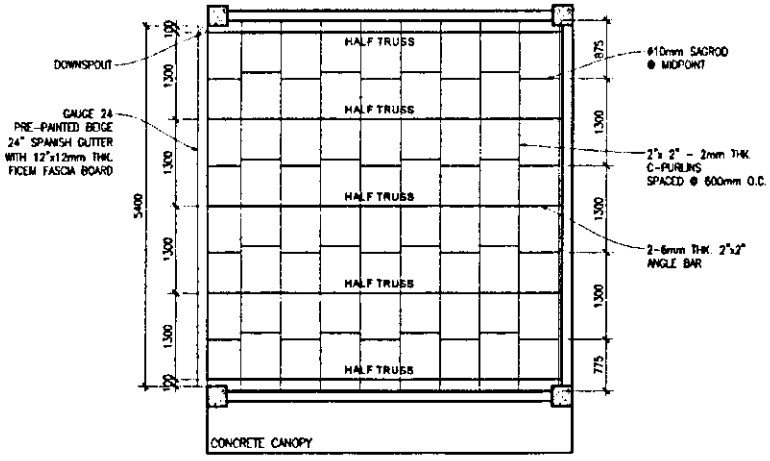
PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD J. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-NEQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SEPT. 27, 2024

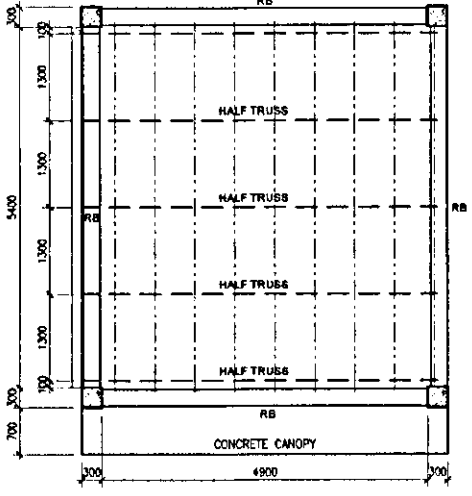
CEILING
AREA: 30.00m² USE: 12mm THK. GYPSUM BOARD PAINTED ON 0.40 mm THK. GALVANIZED STEEL CEILING SUSPENSION SYSTEM @ 0.40 m O.C. (FURRING), 0.60 m O.C. (CARRYING CHANNEL) AND 1.23 m O.C. BOTH WAYS (SUSPENSION ROD) GENERAL NOTE: REMOVE AND REPLACE ALL CEILING ON-SITE
CORNICE
USE: 1" x 1" (PROFILE - SEE DETAILS) TOTAL LENGTH: 22.00m PAINT COLOR: GREIGE
LIGHTING FIXTURES
TYPE: E27 - 12W LED LAMP W/ 6" WHITE RECESSED CASING AND GLASS COVER LIGHT COLOR: COOL WHITE/ DAYLIGHT QUANTITY: 2



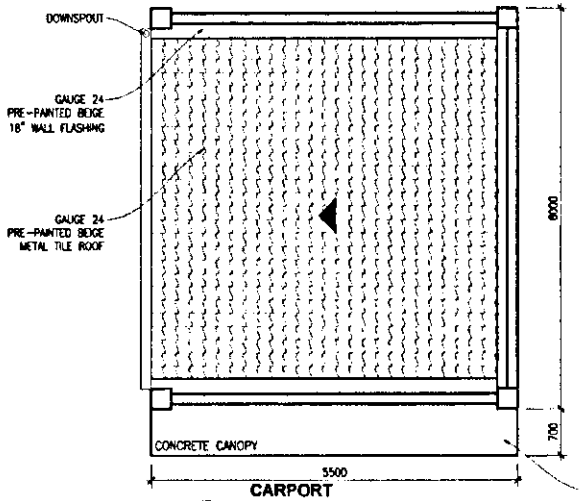
CARPORT
1 REFLECTED CEILING PLAN
SCALE 1:75mts



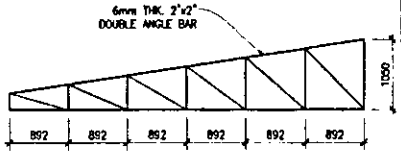
CARPORT
2 ROOF FRAMING PLAN
SCALE 1:75mts



CARPORT
3 ROOF FRAMING PLAN AT BOTTOM CHORD LEVEL
SCALE 1:75mts



CARPORT
4 ROOF PLAN
SCALE 1:75mts



HALF TRUSS
5 SECTION
SCALE 1:75mts

PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

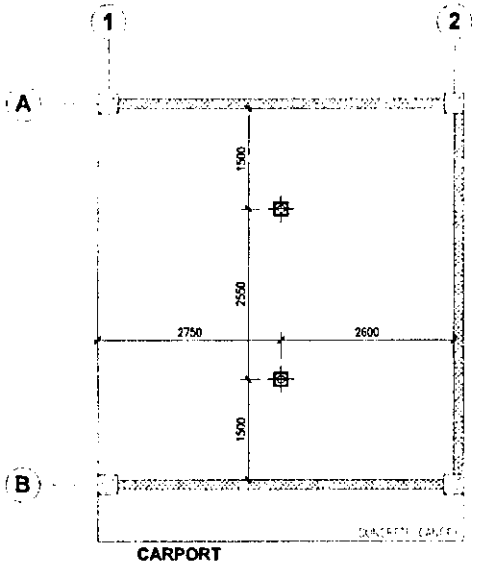
PROJECT TITLE
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

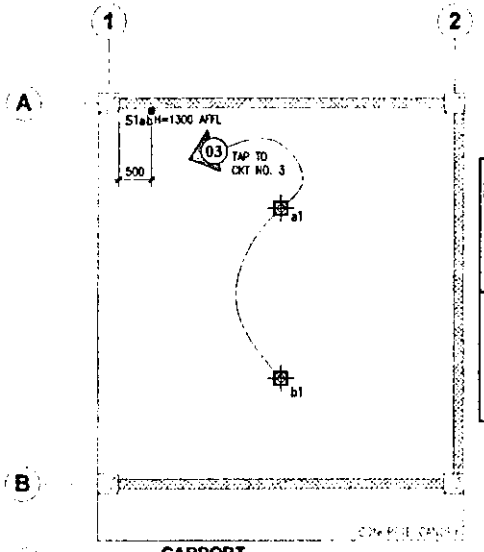
SHEET NO. 63 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD S. TALAY, uap ARCHITECT	JOHN S. DE LOS SANTOS ACTING DIVISION MANAGER A, ESD	MA. MAGNOLIA SINSON-PEQUEJO PORT MANAGER	REYNAND C. FARAFINA MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	JAMES J. GANTALAO ASSISTANT GENERAL MANAGER FOR ENGINEERING

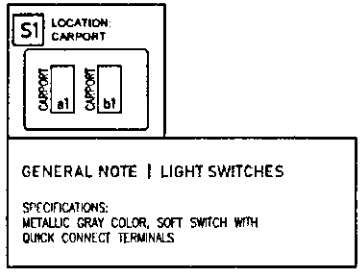
SEPT. 27, 2024



CARPORT
1 LIGHTING LAYOUT
SCALE 1:75mts

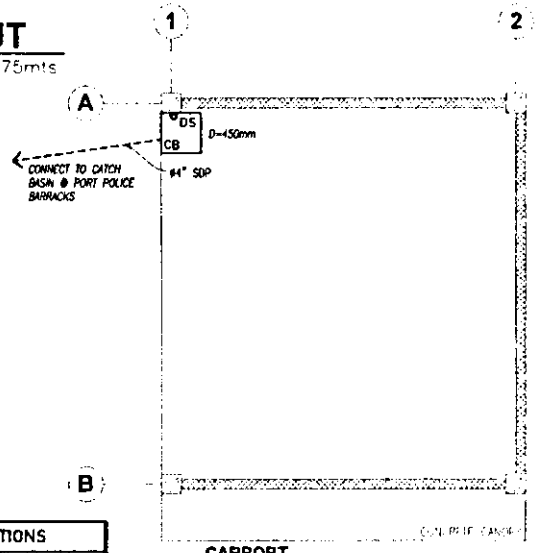


CARPORT
2 SWITCH LAYOUT
SCALE 1:75mts



GENERAL NOTE | LIGHT SWITCHES

SPECIFICATIONS:
METALLIC GRAY COLOR, SOFT SWITCH WITH QUICK CONNECT TERMINALS



CARPORT
3 SANITARY LAYOUT
SCALE 1:75mts

ABBREVIATIONS	
CB	CATCH BASIN
DS	DOWNSPOUT
SDP	STORM DRAIN PIPE

PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

PROJECT TITLE
LOCATION: BASEPORT, LEGAZPI CITY

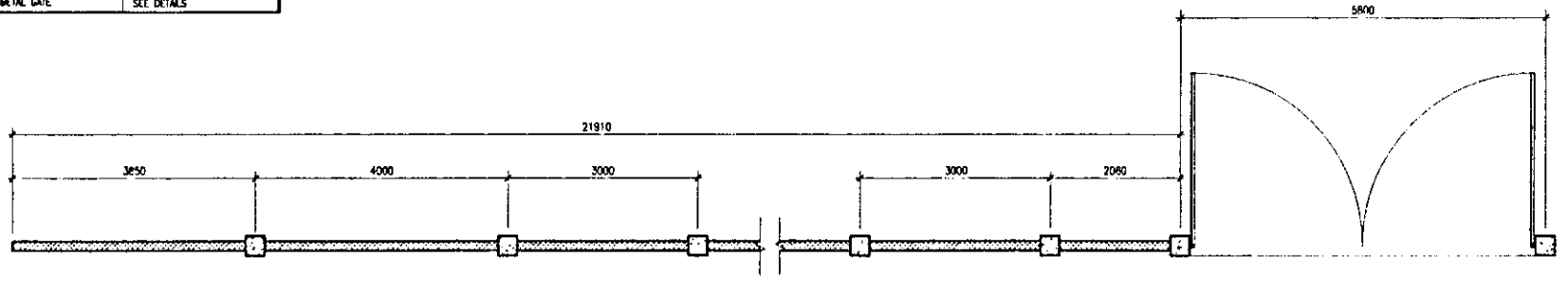
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

SHEET NO. 64 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD L. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT III	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SEPT. 27, 2024

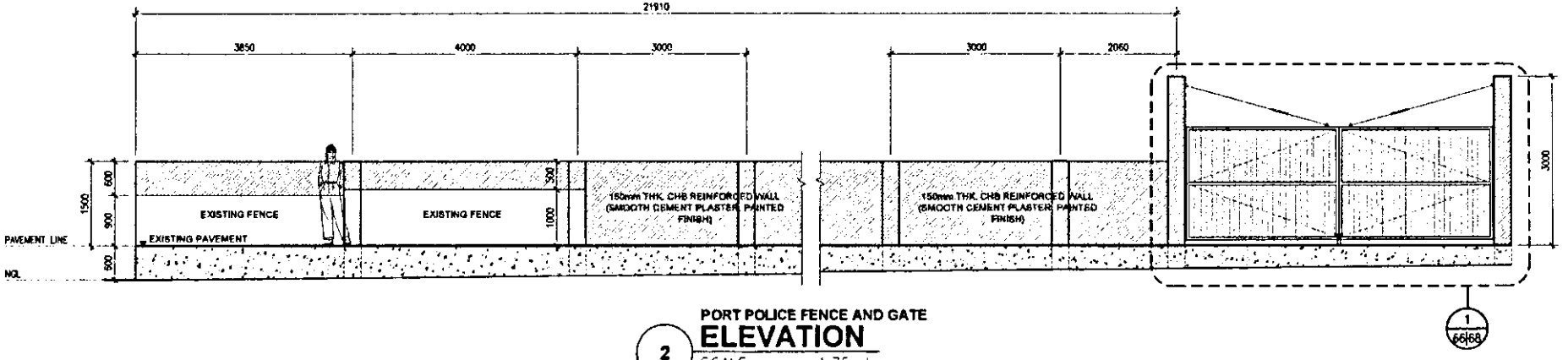
SCOPE OF WORK: FENCE AND GATE	
ASSESSMENT	UNIT/QUANTITY
EXTENSION OF EXISTING COLUMNS	SEE DETAILS
EXTENSION OF EXISTING WALLS	SEE DETAILS
CONSTRUCTION OF NEW WALLS	SEE DETAILS
CONSTRUCTION OF NEW COLUMNS	SEE DETAILS
INSTALLATION OF METAL GATE	SEE DETAILS



PORT POLICE FENCE AND GATE

1 **PLAN VIEW**

SCALE 1:75mts



PORT POLICE FENCE AND GATE

2 **ELEVATION**

SCALE 1:75mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER,
RAWIS, LEGAZPI CITY, 4500

PROJECT TITLE

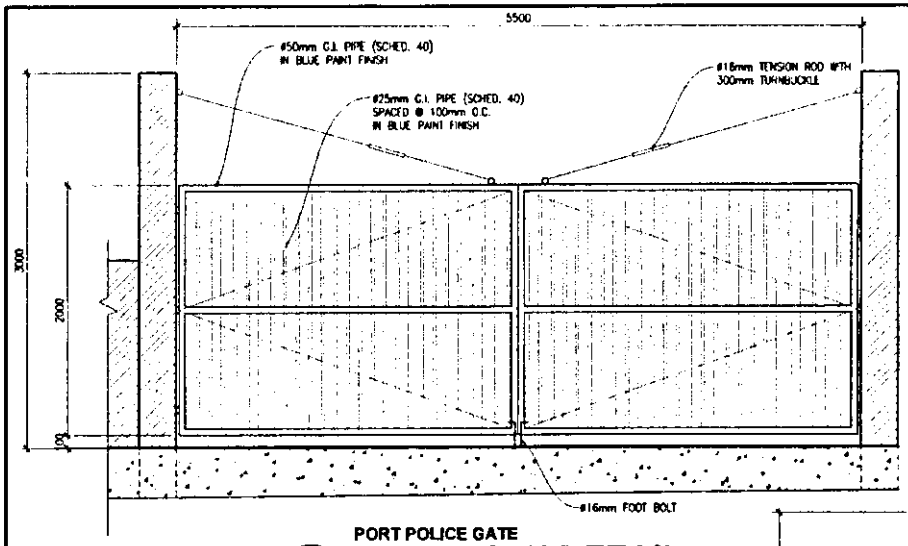
LOCATION: BASEPORT, LEGAZPI CITY

IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

SHEET NO. 65/68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD G. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
ARCHITECT II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

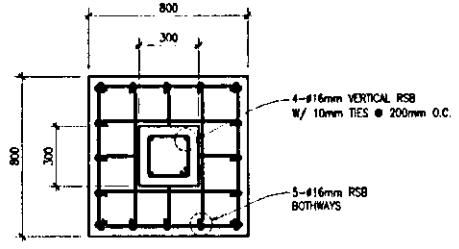
SEPT. 27, 2024



PORT POLICE GATE

1 ELEVATION DETAIL

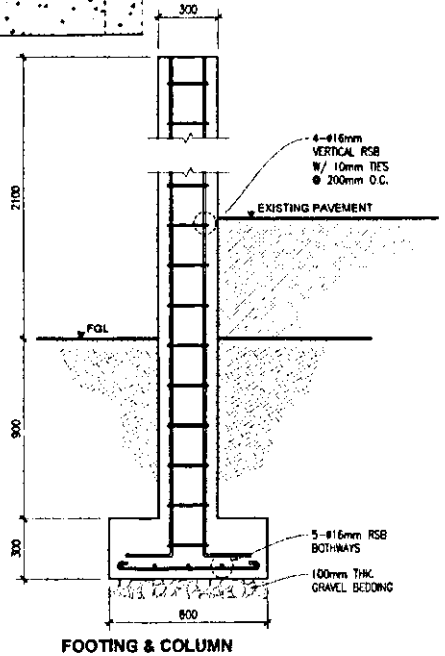
SCALE 1:40mts



FOOTING & COLUMN

2 PLAN VIEW

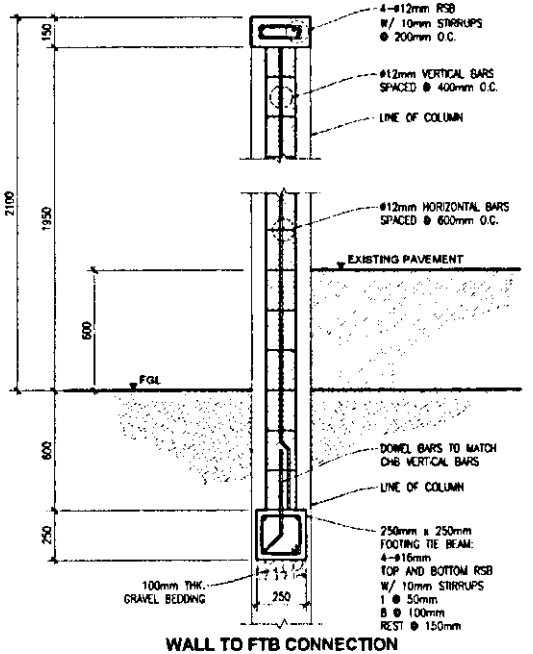
SCALE 1:25mts



FOOTING & COLUMN

3 SECTION DETAIL

SCALE 1:25mts



WALL TO FTB CONNECTION

4 SECTION DETAIL

SCALE 1:25mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER,
RAWIS, LEGAZPI CITY 4500

PROJECT TITLE

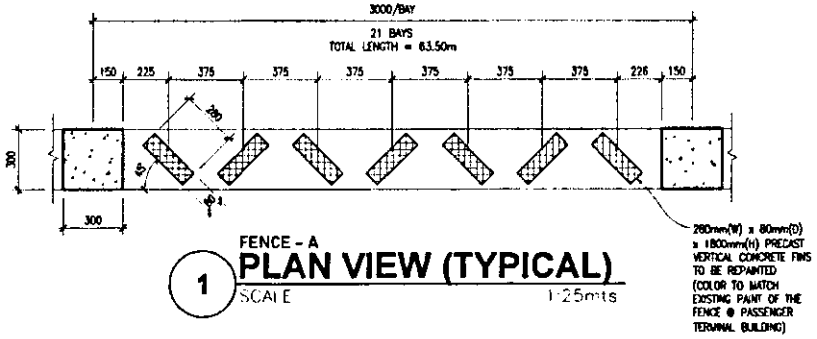
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

SHEET NO. 66 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD L. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. BANTALAO
ARCHITECT II	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

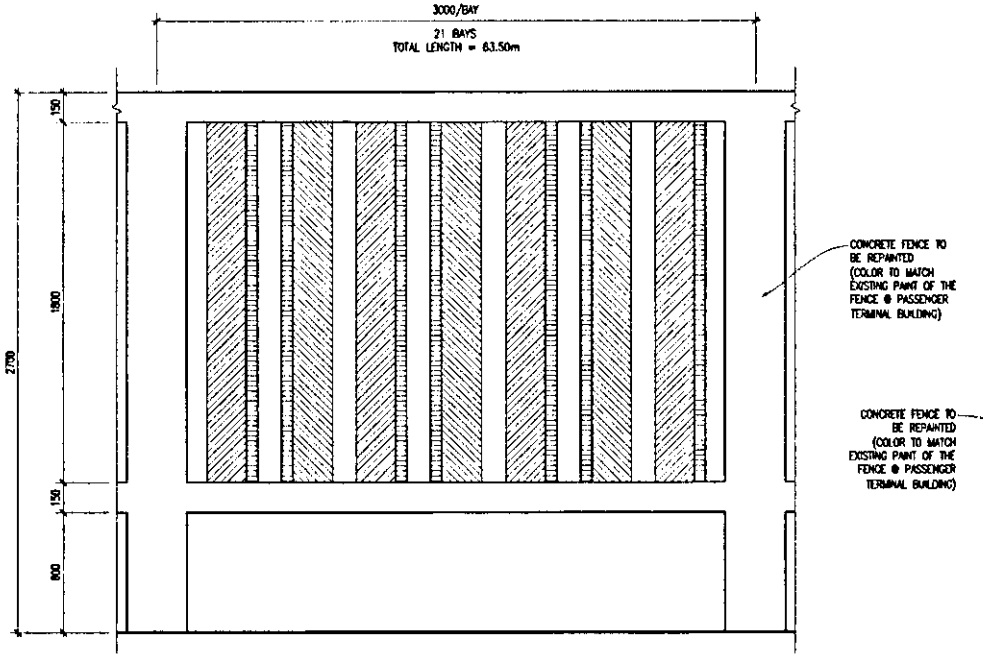
SEPT. 27, 2024



FENCE - A

1 PLAN VIEW (TYPICAL)

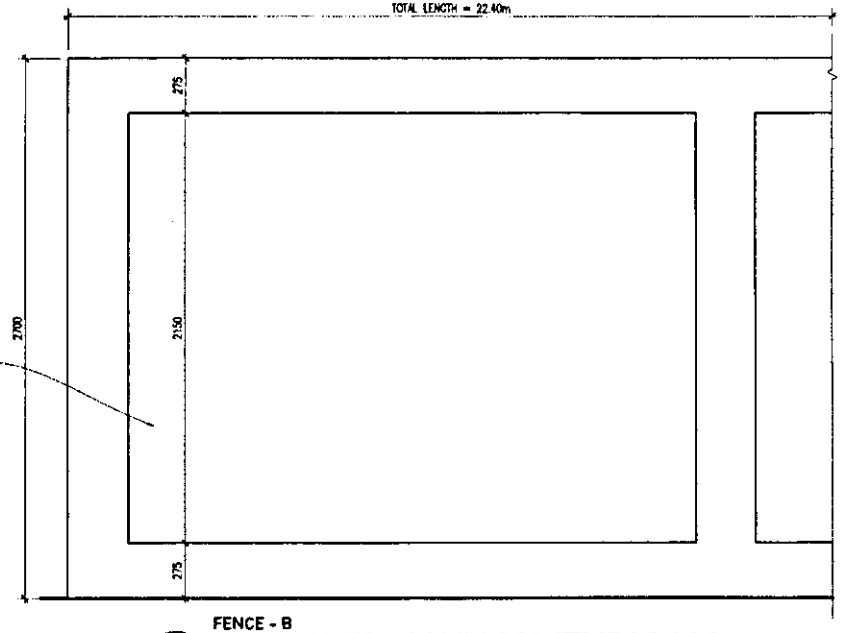
SCALE 1:25mts



FENCE - A

2 FRONT ELEVATION (TYPICAL)

SCALE 1:25mts



FENCE - B

3 FRONT ELEVATION (TYPICAL)

SCALE 1:25mts

PHILIPPINE PORTS AUTHORITY

PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

PROJECT TITLE

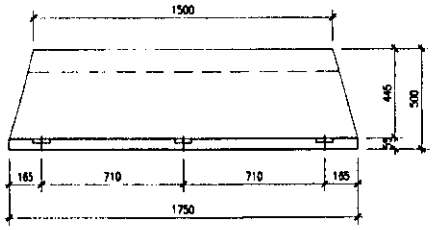
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

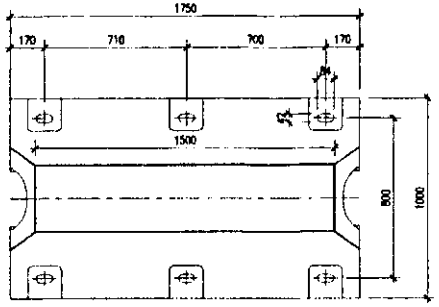
SHEET NO. 67 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD L. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSON-REQUEJO	REYNAND C. PARAFINA	JAMES J. GANTALAO
	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PPA PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

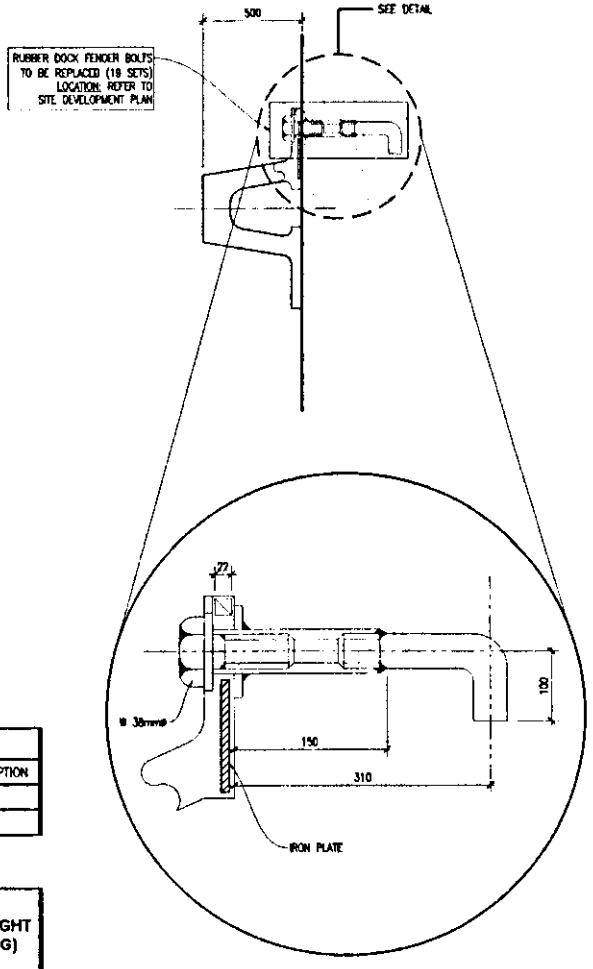
SEPT. 27, 2024



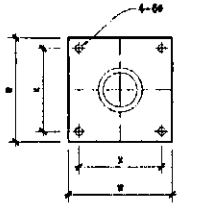
SIDE ELEVATION



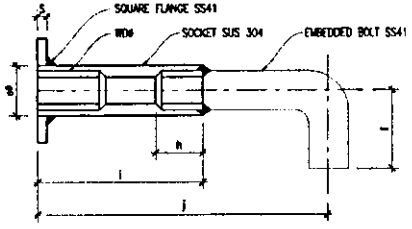
TOP VIEW



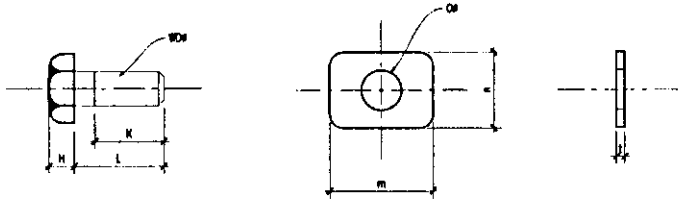
SPOT DETAIL



FIXING BOLT (SS41)
(Zn COATING)



WASHER (SS41)
(Zn COATING)



PERFORMANCE CHARACTERISTIC

DEFLECTION	45%	
LENGTH	REACTION FORCE	ENERGY ABSORPTION
MM	TON	TON-M
1500	56.3	9.38

DIMENSIONAL TABLE

PARTS / WDØ	ANCHOR SOCKET					BOLT			FLANGE			WASHER				FENDER MODEL	WEIGHT (KG)
	e	f	h	i	j	K	L	H	S	W	X	m	n	o	t		
38mm	48	100	40	150	310	70	95	27	6	100	80	100	75	42	6	500H	6.4

1 V - TYPE RUBBER DOCK FENDER [500(H) x 1500(L)]

SCALE 1:25mts

PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF BICOL
REGIONAL GOVERNMENT CENTER, RAWIS, LEGAZPI CITY 4500

PROJECT TITLE: IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE, AND GATE

LOCATION: BASEPORT, LEGAZPI CITY

SHEET NO. 68 / 68

PREPARED BY	CHECKED/REVIEWED BY	SUBMITTED BY	RECOMMENDING APPROVAL	APPROVED
AGAPITO LLOYD L. TALAY, uap	JOHN S. DE LOS SANTOS	MA. MAGNOLIA SINSUAT REQUEJO	REYNAND C. PARAFINA	JAMES J. SANTALAO
ARCHITECT	ACTING DIVISION MANAGER A, ESD	PORT MANAGER	MANAGER, PORT PLANNING AND DESIGN DEPARTMENT	ASSISTANT GENERAL MANAGER FOR ENGINEERING

SEPT. 27, 2024

SECTION VIII

BILL OF QUANTITIES and ATTACHMENTS

BID SUMMARY
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE AND GATE
BASEPORT, LEGAZPI CITY

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	1 GENERAL EXPENSES				
BILL NO.	2 IMPROVEMENT OF BREAKWATER NO. 2				
BILL NO.	3 SLAB ADJACENT TO RORO RAMP				
BILL NO.	4 IMPROVEMENT OF PORT POLICE BUILDING, CARPORT AND GUARD OUTPOST				
BILL NO.	5 PROVISION OF GUARD OUTPOST AT BREAKWATER NO. 2				
BILL NO.	6 FENDER SYSTEM				
BILL NO.	7 MOORING SYSTEM				
BILL NO.	8 PERIMETER FENCE AT BREAKWATER NO. 2, PPD BUILDING, AND WHARF				
BILL NO.	9 STEEL GATE AT BREAKWATER NO. 2 AND PPD BUILDING				
BID SUMMARY					

Name of Firm

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Date

BILL OF QUANTITY
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE AND GATE
BASEPORT, LEGAZPI CITY

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 1	GENERAL EXPENSES				
1.01	Mobilization, demobilization and cleaning	l.s	1		
1.02	Provide Construction Safety and Health Program in the execution of the project including project billboard and tarpaulin	mos.	11		
	TOTAL FOR BILL NO. 1				

BILL OF QUANTITY
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE AND GATE
BASEPORT, LEGAZPI CITY

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	2 IMPROVEMENT OF BREAKWATER NO. 2				
2.01	Demolition and Disposal of existing damaged structures	sq.m	1,860.52		
2.02	Excavation prior to construction of pavement, and drainage canal	cu.m	675.96		
2.03	Supply and install 50-100 kgs core rocks	cu.m	740.47		
2.04	Supply and install 2,000 kgs armour rocks	cu.m	2,382.97		
2.05	Supply and install geotextile filter fabric	sq.m	731.76		
2.06	Supply, spread and compact selected fill	cu.m	940.01		
2.07	Supply, spread and compact aggregate base course 200mm thk.	cu.m	391.28		
2.08	Supply and install steel reinforcements for deflector wall, sideslope, concrete toe, beam, rc curb and drainage canal	kg	22,034.35		
2.09	Supply and place 3,500 psi concrete for deflector wall, sideslope, concrete toe, beam, rc curb and drainage canal	cu.m	301.30		
2.10	Construction of PCCP 300mm thk.	sq.m	2,661.02		
2.11	Concrete cutting, curing and protection	sq.m	2,661.02		
	TOTAL FOR BILL NO. 2				

BILL OF QUANTITY
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE AND GATE
BASEPORT, LEGAZPI CITY

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	3 SLAB ADJACENT TO RORO RAMP				
3.01	Demolition and disposal of damaged structures	l.s	1.00		
3.02	Supply and install steel reinforcements for pile cap, rc beam and slab	kg	1,246.59		
3.03	Supply and place 3,500 psi concrete for pile cap, rc beam and slab	cu.m	9.93		
	TOTAL FOR BILL NO. 3				

BILL OF QUANTITY
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE AND GATE
BASEPORT, LEGAZPI CITY

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	4 IMPROVEMENT OF PORT POLICE BUILDING, CARPORT AND GUARD OUTPOST				
4.01	Demolish and disposal of existing R.C. beam, and portion of column	sq.m	231.84		
4.02	Excavation for foundation prior to construction of additional column/footing	cu.m	14.92		
4.03	Supply and install steel reinforcements for footing, column, ftb, beam and slab on fill	kg	4,197.86		
4.04	Supply and place 3,500 psi concrete for footing, column, ftb, beam and slab on fill	cu.m	67.66		
4.05	Supply, install and plaster smooth finish CHB wall with steel reinforcements	sq.m	156.61		
4.06	Supply, spread and compact filling materials	cu.m	110.76		
4.07	Replacement of tiles and installation of kitchen countertop, and wall cladding	sq.m	197.96		
4.08	Supply and installation of awning type window including accessories	sq.m	14.28		
4.09	Supply and installation of various types of door including accessories	sq.m	17.23		
4.10	Supply and installation of metal sliding storm shutter (paint finish)	sq.m	22.48		
4.11	Replacement of ceiling (gypsum board ceiling suspension system)	sq.m	182.00		
4.12	Replacement of steel truss	l.s	1.00		
4.13	Replacement of pre-painted metal tile roofing including accessories	sq.m	205.64		
4.14	Replacement of lighting fixtures and electrical wirings	l.s	1.00		
4.15	Replacement of plumbing fixtures and connection	l.s	1.00		
4.16	Supply and Installation of millwork cabinet (paint finish)	l.s	1.00		
4.17	Painting of ceiling, interior and exterior Wall	sq.m	992.79		
4.18	Supply and installation of PPA signage and logo	set	1.00		
4.19	Provision of new septic tank and catch basin	l.s	1.00		
	TOTAL FOR BILL NO. 4				

BILL OF QUANTITY
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE AND GATE
BASEPORT, LEGAZPI CITY

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	5 PROVISION OF GUARD OUTPOST AT BREAKWATER NO. 2				
5.01	Demolition and disposal of damaged structures	l.s	1.00		
5.02	Excavation for R.C. column/footing foundation	cu.m	4.88		
5.03	Supply and install steel reinforcements for structural members	kg	471.31		
5.04	Supply and place 3,500 psi concrete for structural members	cu.m	4.30		
5.05	Supply, install and plastered smooth finish CHB wall	sq.m	26.37		
5.06	Construction of ceiling	sq.m	5.58		
5.07	Supply and installation of doors and windows	sq.m	4.45		
5.08	Supply and installation of solar lighting	l.s	1.00		
5.09	Painting of guard outpost	sq.m	62.79		
5.10	Application of cementitious waterproofing cement at roof slab	sq.m	6.19		
	TOTAL FOR BILL NO. 5				

BILL OF QUANTITY
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE AND GATE
BASEPORT, LEGAZPI CITY

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	**6 FENDER SYSTEM**				
6.01	Supply and delivery to site of bolts and accessories for RDF	set	19.00		
6.02	Replacement of bolts and accessories for RDF	set	19.00		
	TOTAL FOR BILL NO. 6				

BILL OF QUANTITY
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE AND GATE
BASEPORT, LEGAZPI CITY

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	7 MOORING SYSTEM				
7.01	Repainting of Mooring Bollard	set	32.00		
	TOTAL FOR BILL NO. 7				

BILL OF QUANTITY
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE AND GATE
BASEPORT, LEGAZPI CITY

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	8 PERIMETER FENCE AT BREAKWATER NO. 2, PPD BUILDING, AND WHARF				
8.01	Excavation prior to construction of foundation	cu.m	121.70		
8.02	Supply and install steel reinforcements for footing, column, wall footing, ftb, and beam	kg	4,052.28		
8.03	Supply and place 3,500 psi concrete for footing, column, wall footing, ftb, and beam	cu.m	37.23		
8.04	Supply, install and plastered smooth finish CHB wall	sq.m	431.01		
8.05	Supply and install 4-strands combat wire for perimeter fence	l.m	126.00		
8.06	Painting of perimeter fence	sq.m	844.56		
	TOTAL FOR BILL NO. 8				

BILL OF QUANTITY
IMPROVEMENT OF BREAKWATER NO. 2, SLAB ADJACENT TO RORO RAMP, FENDER AND MOORING SYSTEM, PORT POLICE BUILDING, GUARD OUTPOST, CARPORT, FENCE AND GATE
BASEPORT, LEGAZPI CITY

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	9 STEEL GATE AT BREAKWATER NO. 2 AND PPD BUILDING				
9.01	Supply and installation of steel gate	sq.m	21.00		
9.02	Painting of steel gate	sq.m	21.00		
	TOTAL FOR BILL NO. 9				

BASIS OF PAYMENT FOR WORK ITEMS INCLUDED IN THE PROPOSAL

The work items included in the proposal and the basis of payments are as follows:

BILL NO. 1

GENERAL EXPENSES

Item 1.01 **Mobilization, demobilization, and cleaning**

The quantity to be paid for shall be the minimum equipment requirement enumerated in the bid documents mobilized, demobilized and cleaning of the site and accepted by the Engineer. The contract lump sum price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to mobilize and demobilize all the minimum equipment requirement enumerated in the bid documents including cleaning of the site. Fifty percent (50%) of the total amount shall be payable after the mobilization activity while the remaining (50%) payable after demobilization and cleaning.

Item 1.02 **Provide Construction Safety and Health Program in the execution of the project including project billboard and tarpaulin.**

The quantity to be paid for shall be the actual implementation of construction safety and health program including the project billboard as accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the implementation of the Construction Safety and Health Program, as required and approved by the Department of Labor and Employment(DOLE).

BILL NO. 2

IMPROVEMENT OF BREAKWATER NO. 2

Item 2.01 **Demolition and Disposal of existing damaged structures**

The quantity to be paid for shall be the actual area in square meter of demolition and disposal of damaged structures in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.02 **Excavation prior to construction of pavement, and drainage canal**

The quantity to be paid for shall be the actual volume in cubic meter of filling materials excavated in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all,labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.03 **Supply and Install 50-100 kgs Core Rocks**

The quantity to be paid for shall be the actual volume in cubic meter of 50 – 100 kilograms core rocks in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.04 **Supply and Install 2,000 kgs Armour Rocks**

The quantity to be paid for shall be the actual volume in cubic meter of 2,000 kilograms armour rocks in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.05 Supply and Place Geotextile Filter Fabric

The quantity to be paid for shall be the actual area in square meters of geotextile filter fabric cloth in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.06 Supply, Place and Compact Selected Fill

The quantity to be paid for shall be the actual volume in cubic meters of selected fill to be supplied, placed and compacted in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.07 Supply, Place and Compact Aggregate Base Course 200mm thk.

The quantity to be paid for shall be the actual volume in cubic meters aggregate base course to be supplied, placed and compacted in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.08 Supply and Install Steel Reinforcements for Deflector Wall, Sideslope, Concrete Toe, Beam, RC Curb and Drainage Canal

The quantity to be paid for shall be the actual weight in kilograms of reinforcing steel bars in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.09 Supply and Place 3,500 psi Concrete for Deflector Wall, Sideslope, Concrete Toe, Beam, RC Curb and Drainage Canal

The quantity to be paid for shall be the actual volume in cubic meter of reinforced concrete platform and roro ramp in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.10 Construction of PCCP 300mm thk.

The quantity to be paid for shall be the actual area in square meters of Portland Cement Concrete Pavement (PCCP) 300mm thick in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.11 Concrete Cutting, Curing and Protection

The quantity to be paid for shall be the actual area in square meters of PCCP 300mm thick for cutting, curing and protection in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

BILL NO. 3

SLAB ADJACENT TO RORO RAMP

Item 3.01 Demolition and Disposal of damaged structures

The quantity to be paid for shall be the actual l.s. of labor and equipment used in demolition and disposal of damaged structures in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 3.02 Supply and Install Steel Reinforcements for Pile Cap, RC Beam and Slab

The quantity to be paid for shall be the actual weight in kilograms of reinforcing steel bars in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 3.03 Supply and Place 3,500 psi Concrete for Pile Cap, RC Beam and Slab

The quantity to be paid for shall be the actual volume in cubic meter of reinforced concrete for pile cap, beam and slab in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

BILL NO. 4

IMPROVEMENT OF PORT POLICE BUILDING, CARPORT AND GUARD OUTPOST

Item 4.01 Demolition and Disposal of existing RC Beam, and portion of column

The quantity to be paid for shall be the actual area in square meter of demolition and disposal of existing beam and portion of column in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.02 Excavation for foundation prior to construction of additional column/footing

The quantity to be paid for shall be the actual volume in cubic meter of excavated materials for foundation of additional column/footing in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.03 Supply and Install Steel Reinforcements for Footing, Column, FTB, Beam, and Slab on fill

The quantity to be paid for shall be the actual weight in kilograms of reinforcing steel bars in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.04 Supply and Place 3,500 psi Concrete for Footing, Column, FTB, Beam and Slab on Fill

The quantity to be paid for shall be the actual volume in cubic meter of reinforced concrete works in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.05 Supply, Install and Plaster Smooth Finish CHB Wall with Steel Reinforcements

The quantity to be paid for shall be the actual area in square meter of masonry works in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.06 Supply, Spread and Compact Filling Materials

The quantity to be paid for shall be the actual volume in cubic meters of filling materials to be supplied, placed and compacted in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.07 Replacement of Tiles and installation of kitchen countertop, and wall cladding

The quantity to be paid for shall be the actual area in square meters of the tiles, kitchen countertop and wall cladding to be installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.08 Supply and Installation of Awning Type Window including accessories

The quantity to be paid for shall be the actual area in square meters of the awning type window to be installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.09 Supply and Installation of Various Type of Doors including accessories

The quantity to be paid for shall be the actual area in square meters of the various type of doors to be installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.10 Supply and Installation of Metal Sliding Storm Shutter (Paint Finish)

The quantity to be paid for shall be the actual area in square meters of the metal sliding storm shutter to be installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.11 Replacement of Ceiling (Gypsum Board ceiling suspension)

The quantity to be paid for shall be the actual area in square meters of the ceiling to be installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.12 Replacement of Steel Truss

The quantity to be paid for shall be the actual l.s. of materials, labor, and equipment used in the replacement of steel truss in accordance with the plans and specifications and accepted by the Engineer.The contract unit price shall be full compensation for furnishing all materials, labor,equipment, tools, and incidentals necessary to complete the work.

Item 4.13 Replacement of Pre-Painted Metal Tile Roofing including accessories

The quantity to be paid for shall be the actual area in square meters of the pre-painted metal tile roofing including accessories to be installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.14 Replacement of Lighting Fixtures and Electrical Wirings

The quantity to be paid for shall be the actual l.s. of labor and equipment used in lighting fixtures and electrical wirings in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.15 Replacement of Plumbing Fixtures and connections

The quantity to be paid for shall be the actual l.s. of materials, labor, and equipment used in the replacement of plumbing fixtures and connection in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.16 Supply and Installation of Millwork Cabinet (Paint Finish)

The quantity to be paid for shall be the actual l.s. of materials, labor, and equipment used in millwork cabinet in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.17 Painting of Ceiling, Interior and Exterior Wall

The quantity to be paid for shall be the actual area in square meters of the painting works in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.18 Supply and Installation of PPA Signage and Logo

The quantity to be paid for shall be the actual number in set of the PPA signage and logo in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.19 Provision of New Septic Tank and Catch Basin

The quantity to be paid for shall be the actual l.s. of materials, labor, and equipment used in septic tank and catch basin in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

BILL NO. 5

PROVISION OF GUARD OUTPOST AT BREAKWATER NO. 2

Item 5.01 Demolition and Disposal of Damaged Structures

The quantity to be paid for shall be the actual l.s. of labor and equipment used in demolition and disposal of damaged structures in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 5.02 Excavation of R.C. Column/footing foundation

The quantity to be paid for shall be the actual volume in cubic meter of excavated materials in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 5.03 Supply and Install Steel Reinforcements for Structural Members

The quantity to be paid for shall be the actual weight in kilograms of reinforcing steel bars in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 5.04 Supply and Place 3,500 psi Concrete for Structural Members

The quantity to be paid for shall be the actual volume in cubic meter of reinforced concrete works in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 5.05 Supply, Install and Plaster Smooth Finish CHB Wall

The quantity to be paid for shall be the actual area in square meter of masonry works in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 5.06 Construction of Ceiling

The quantity to be paid for shall be the actual area in square meters of the ceiling to be installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 5.07 Supply and Installation of Doors and Windows

The quantity to be paid for shall be the actual area in square meters of the doors and windows to be installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 5.08 Supply and Installation of Solar Lighting

The quantity to be paid for shall be the actual l.s. of materials, labor, and equipment used in solar lighting to be installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 5.09 Painting of Guard Outpost

The quantity to be paid for shall be the actual area in square meters of the painting works in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 5.10 Application of Cementitious Waterproofing at Roof Slab

The quantity to be paid for shall be the actual area in square meters of the cementitious waterproofing to be applied in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

BILL NO. 6

FENDER SYSTEM

Item 6.01 Supply and Delivery to site of bolts and accessories for RDF

The quantity to be paid for shall be the actual number in set of the bolt and accessories to be delivered on site in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.