

## ***Section VII. Drawings***

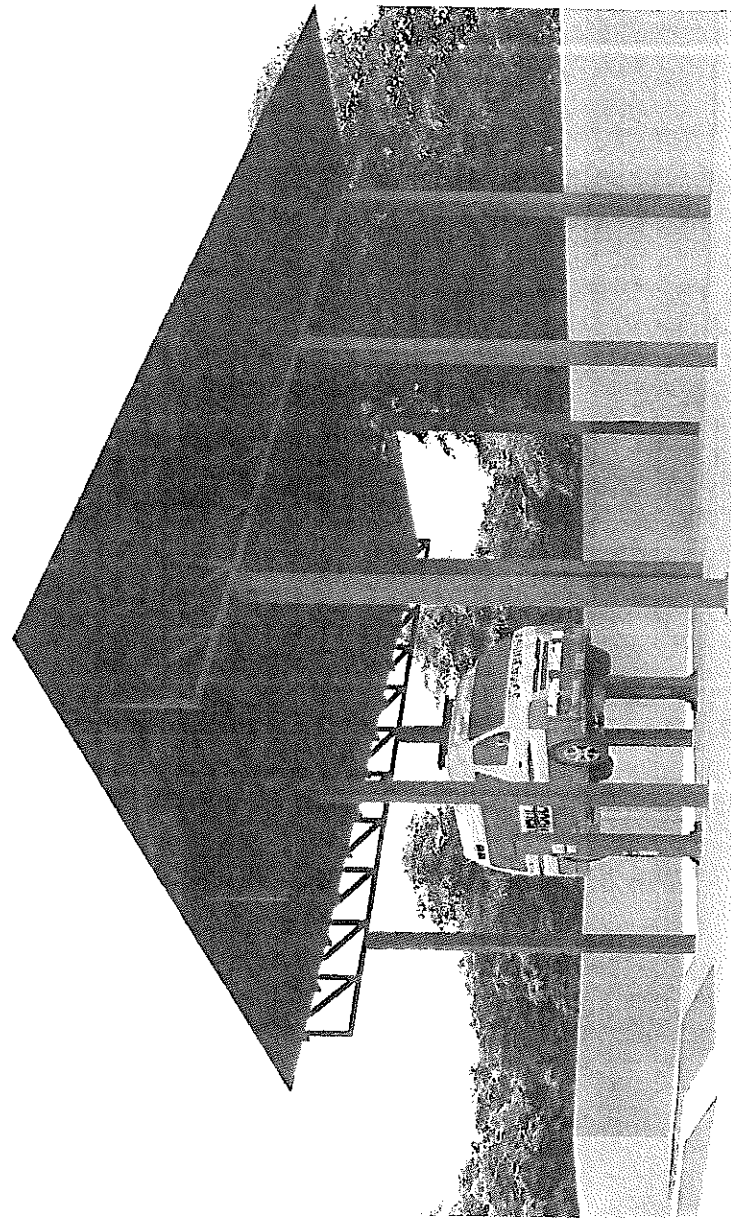
*The actual Drawings including site plans, are attached to this section. A Blueprint for this project shall be provided upon submission of Letter of Intent and payment of the applicable fee for the Bidding Documents.*

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 S4 STRUCTURAL DESIGN OF THE PROPOSED PROJECT


**ELECTRICAL**  
 E1 ELECTRICAL DESIGN AND LAYOUT




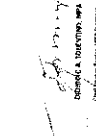
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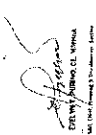
REPUBLIC OF THE PHILIPPINES  
 Department of Health  
**National Center for Mental Health**  
 Nueve de Febrero Street, Bonifacio, Marikina, Manila, Metro Manila

PROJECT TITLE: CONSTRUCTION OF TRANSPORT SECTION  
 HYDRAULIC CAR LIFT RAISED AREA

APPROVED BY:  RICARDO BALLO  
 ARCHITECT


APPROVED BY:  NOEL V. SANTOS, JR.  
 PROJECT MANAGER


APPROVED BY:  ROMEO A. TANCIN  
 PROJECT MANAGER

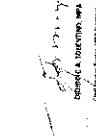
APPROVED BY:  ROMEO A. TANCIN  
 PROJECT MANAGER

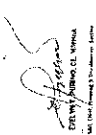
REPUBLIC OF THE PHILIPPINES  
 Department of Health  
**National Center for Mental Health**  
 Nueve de Febrero Street, Bonifacio, Marikina, Manila, Metro Manila

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 ARCHITECT

APPROVED BY:  NOEL V. SANTOS, JR.  
 PROJECT MANAGER

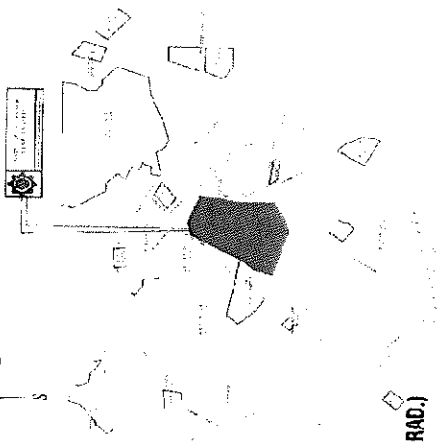
APPROVED BY:  ROMEO A. TANCIN  
 PROJECT MANAGER

APPROVED BY:  ROMEO A. TANCIN  
 PROJECT MANAGER

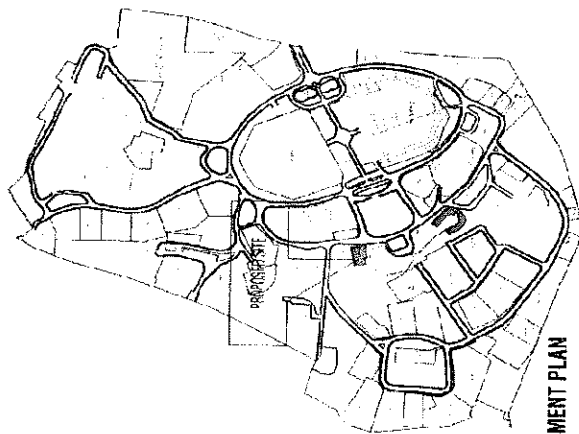
DATE: 11/15/2017

SCALE: AS SHOWN

PROJECT NO.: 17-001



NCMH  
VICINITY MAP (2KM RAD.)  
1:50000  
A  
30



NCMH  
SITE DEVELOPMENT PLAN  
1:3000M  
A  
30

NOTORISED  
SITE DEVELOPMENT PLAN  
1:4000M  
A  
30



REPUBLIC OF THE PHILIPPINES  
Department of Health

National Center for Mental Health

1000 C. P. Garcia Street, Bantigue, Marikina, Manila 1014, Philippines

CONSTRUCTION OF TRANSPORT SECTION  
HONOLULU CARLETON ROAD BRIDGE

APPROVED BY: *[Signature]*  
PROJECT MANAGER

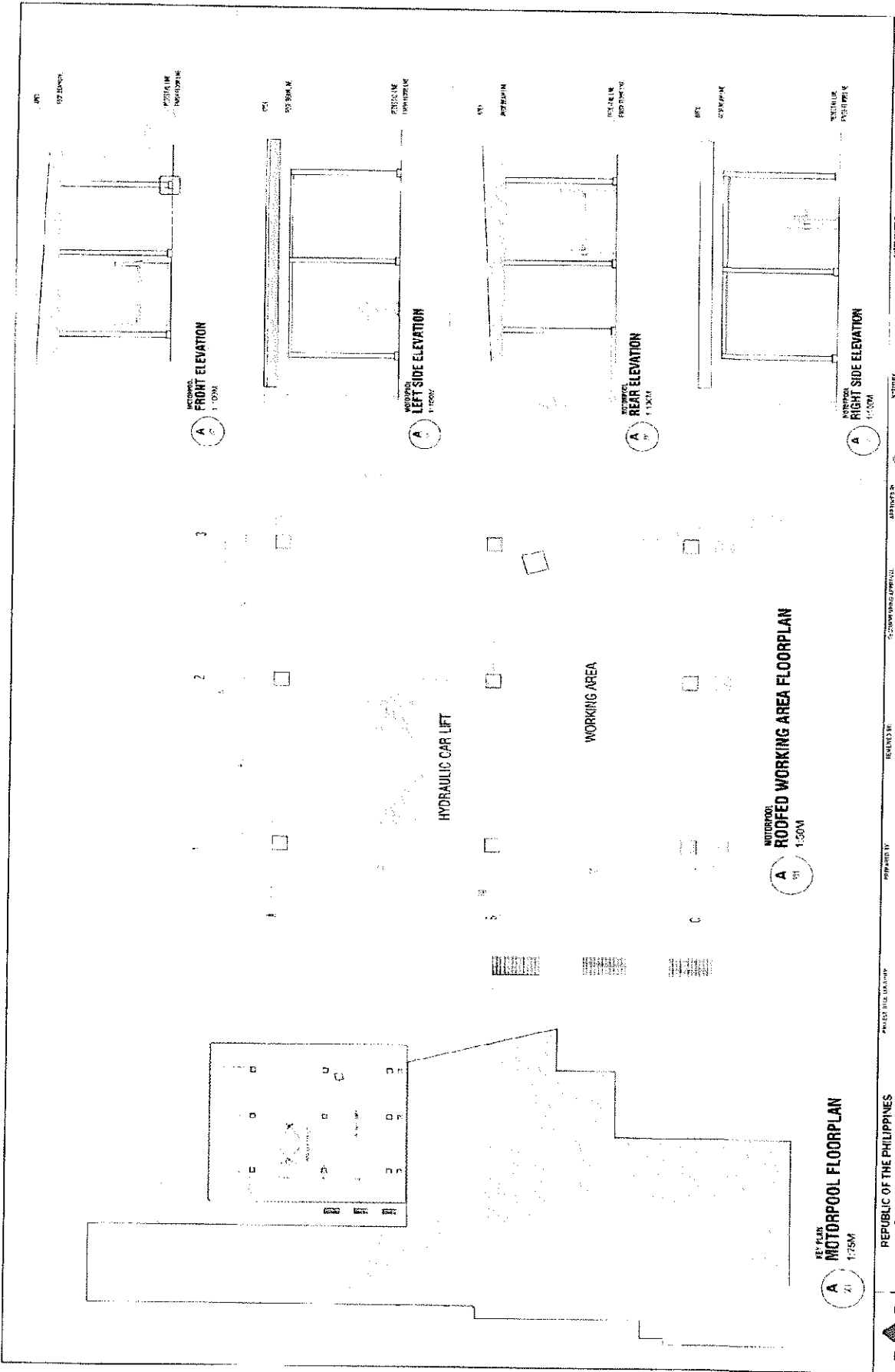
APPROVED BY: *[Signature]*  
PROJECT MANAGER

APPROVED BY: *[Signature]*  
PROJECT MANAGER

APPROVED BY: *[Signature]*  
PROJECT MANAGER

NOTORISED  
SITE DEVELOPMENT PLAN  
1:4000M  
A  
30





FRONT ELEVATION

SECTION: FRONT ELEVATION  
A  
1:50M

SECTION: LEFT SIDE ELEVATION  
A  
1:50M

SECTION: REAR ELEVATION  
A  
1:50M

SECTION: RIGHT SIDE ELEVATION  
A  
1:50M

SECTION: MOTORPOOL FLOORPLAN  
A  
1:75M

SECTION: ROOFED WORKING AREA FLOORPLAN  
A  
1:50M

REPUBLIC OF THE PHILIPPINES  
Department of Health

**National Center for Mental Health**  
Nueva de Pabiero Street, Buntisay Murog, Mandaluyod City

PROJECT TITLE: MOTORPOOL  
CONSULTANT: TRANSPORT SECTION  
HYDRAULIC CAR LIFT ROOF AREA

REVISIONS:  
NO. 1: [Signature]  
NO. 2: [Signature]  
NO. 3: [Signature]

DESIGNED BY: [Signature]  
CHECKED BY: [Signature]  
APPROVED BY: [Signature]

DATE: [Date]

SCALE: [Scale]

KEY PLAN  
BLOW UP PLAN  
ELEVATION

GENERAL  
1. CHECK ALL THE DATA AND CALCULATE THE STRESS IN ALL MEMBERS  
2. CHECK THE STRESS IN ALL MEMBERS AND CHECK THE STRESS IN ALL MEMBERS  
3. CHECK THE STRESS IN ALL MEMBERS AND CHECK THE STRESS IN ALL MEMBERS  
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10. CHECK THE STRESS IN ALL MEMBERS AND CHECK THE STRESS IN ALL MEMBERS

SECTIONAL ELEMENTS

SECTIONAL ELEMENTS	CLASS	SECTIONAL ELEMENTS	CLASS
BEAM, COLUMN, LAFER AND SLAB IN CONC	4	4	341
CAST IN PLACE CONCRETE BEAM, COLUMN AND SLAB IN CONC	2	375	400
STEEL STRUCTURAL ELEMENTS	3	387	400
STEEL STRUCTURAL ELEMENTS	3	387	400
STEEL STRUCTURAL ELEMENTS	3	387	400

CONCRETE

CONCRETE	CLASS	SECTIONAL ELEMENTS	CLASS
CONCRETE	4	4	341
CONCRETE	2	375	400
CONCRETE	3	387	400
CONCRETE	3	387	400
CONCRETE	3	387	400

STEEL

STEEL	CLASS	SECTIONAL ELEMENTS	CLASS
STEEL	4	4	341
STEEL	2	375	400
STEEL	3	387	400
STEEL	3	387	400
STEEL	3	387	400

GENERAL

GENERAL	CLASS	SECTIONAL ELEMENTS	CLASS
GENERAL	4	4	341
GENERAL	2	375	400
GENERAL	3	387	400
GENERAL	3	387	400
GENERAL	3	387	400

GENERAL NOTES  
1. ALL STEEL MEMBERS TO BE GRADE 40 STEEL  
2. ALL CONCRETE TO BE 4000 PSI  
3. ALL REINFORCEMENT TO BE 4000 PSI  
4. ALL CONNECTIONS TO BE FULLY DEVELOPED  
5. ALL MEMBERS TO BE PROTECTED AGAINST CORROSION  
6. ALL MEMBERS TO BE PROTECTED AGAINST CORROSION  
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GENERAL NOTES

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GENERAL NOTES	2	375	400
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GENERAL NOTES

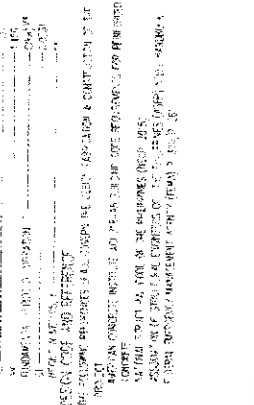
GENERAL NOTES	CLASS	SECTIONAL ELEMENTS	CLASS
GENERAL NOTES	4	4	341
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REPUBLIC OF THE PHILIPPINES  
Department of Health  
National Center for Mental Health  
Nueva de Pampanga Street, Ermita, Manila, Metropolitan City

CONSTRUCTION OF WARE  
HOUSE BUILDING @ PAVILION I

DESIGNED BY: [Signature]  
CHECKED BY: [Signature]  
APPROVED BY: [Signature]

PROJECT TITLE: WAREHOUSE BUILDING @ PAVILION I

DATE: [Date]

SCALE: [Scale]

PROJECT NO.: [Number]

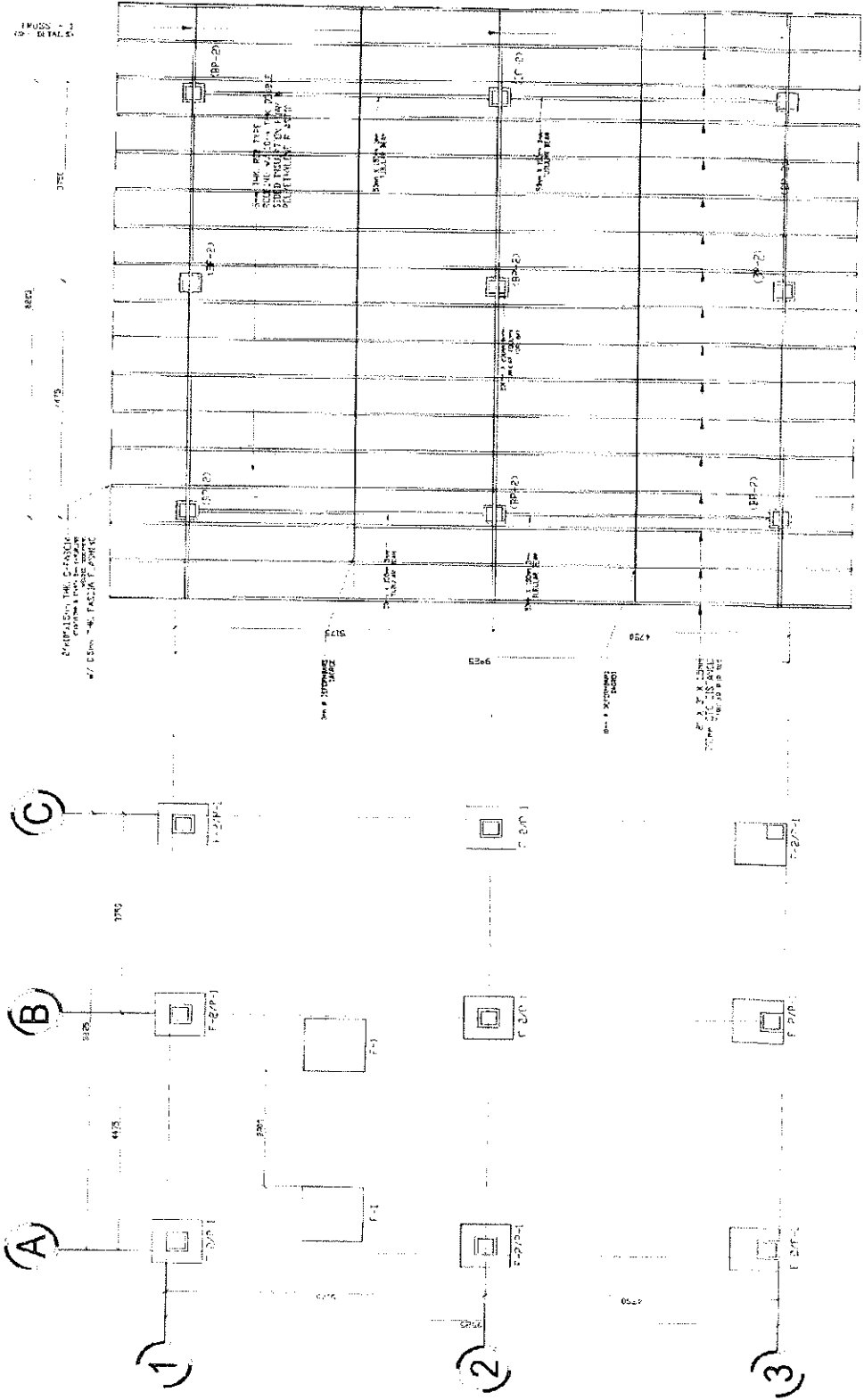
GENERAL NOTES

1. ALL STEEL MEMBERS TO BE GRADE 40 STEEL  
2. ALL CONCRETE TO BE 4000 PSI  
3. ALL REINFORCEMENT TO BE 4000 PSI  
4. ALL CONNECTIONS TO BE FULLY DEVELOPED  
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FIGURE 1  
TOTAL PLAN

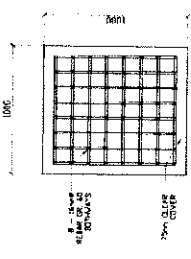
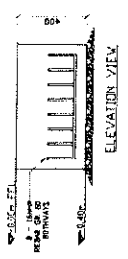


CONSTRUCTION OF NATIONAL CENTER FOR MENTAL HEALTH FACILITY  
**S. ROOF FRAMING PLAN**

CONSTRUCTION OF NATIONAL CENTER FOR MENTAL HEALTH FACILITY  
**S. FOUNDATION PLAN**

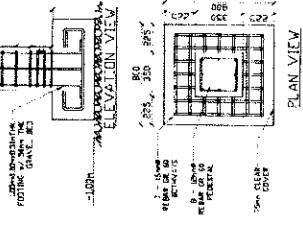
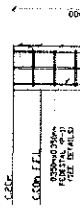
	<b>REPUBLIC OF THE PHILIPPINES</b> Department of Health <b>National Center for Mental Health</b> Nisco de Roxas Street, Brantingham, Mandaluyong City		PROJECT TITLE: <b>EDUCATION OF PATIENTS SERVICE VEHICLE MAINTENANCE FACILITY</b>	PROJECT NO.: <b>100-100-100-100</b>	PROJECT LOCATION: <b>EDUCATION OF PATIENTS SERVICE VEHICLE MAINTENANCE FACILITY</b>	PROJECT OWNER: <b>EDUCATION OF PATIENTS SERVICE VEHICLE MAINTENANCE FACILITY</b>	PROJECT NO.: <b>100-100-100-100</b>	PROJECT LOCATION: <b>EDUCATION OF PATIENTS SERVICE VEHICLE MAINTENANCE FACILITY</b>	PROJECT OWNER: <b>EDUCATION OF PATIENTS SERVICE VEHICLE MAINTENANCE FACILITY</b>	PROJECT NO.: <b>100-100-100-100</b>	PROJECT LOCATION: <b>EDUCATION OF PATIENTS SERVICE VEHICLE MAINTENANCE FACILITY</b>	PROJECT OWNER: <b>EDUCATION OF PATIENTS SERVICE VEHICLE MAINTENANCE FACILITY</b>	PROJECT NO.: <b>100-100-100-100</b>	PROJECT LOCATION: <b>EDUCATION OF PATIENTS SERVICE VEHICLE MAINTENANCE FACILITY</b>	PROJECT OWNER: <b>EDUCATION OF PATIENTS SERVICE VEHICLE MAINTENANCE FACILITY</b>
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NOTE: 4000 PSI CONCRETE



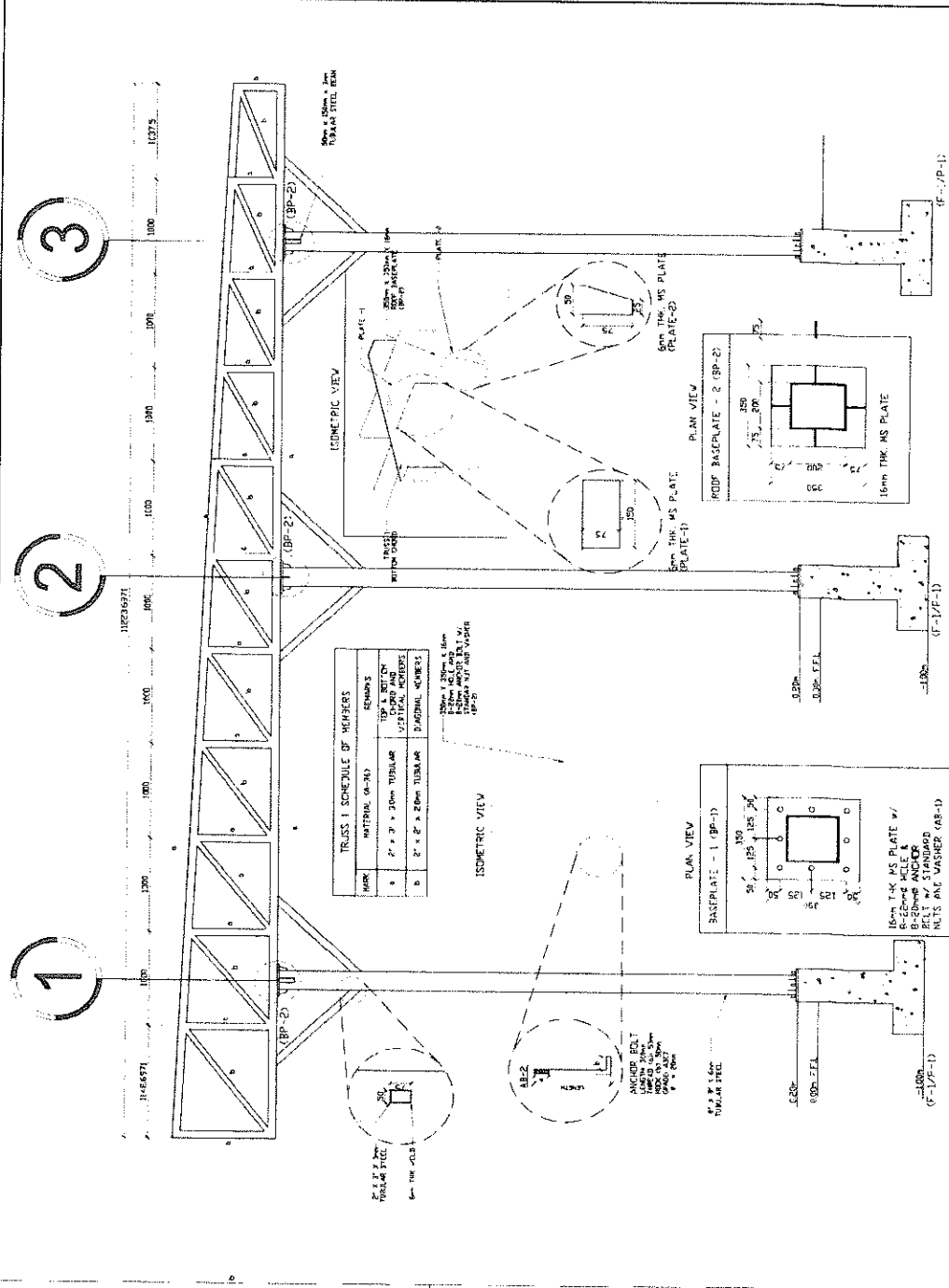
PHYSICAL INSURANCE  
F2 DETAILS  
SCALE: 1/20" = 1'-0"

ITEM	DESCRIPTION
1	1000 x 1000 mm
2	1000 x 1000 mm
3	1000 x 1000 mm

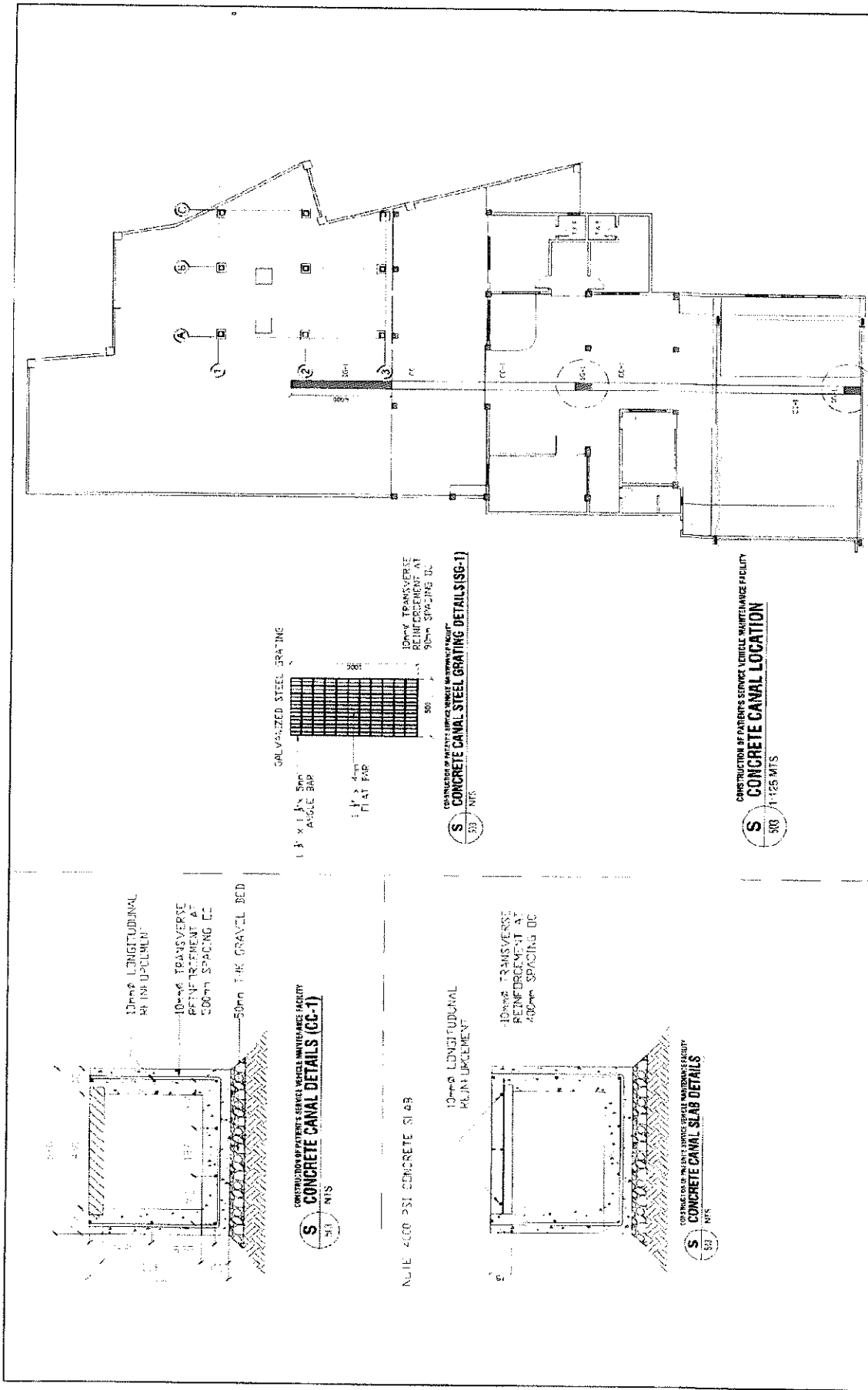


PHYSICAL INSURANCE  
F1 AND P1 CONNECTION DETAILS  
SCALE: 1/20" = 1'-0"

**ADDITIONAL FOUNDATION NOTES:**  
 1. MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE DRAINAGE AWAY FROM STRUCTURES AND TO PREVENT FLOODING OF SURFACE RUNOFF NEAR THE STRUCTURES.  
 2. PROVIDE PROPER SUPPORT OF EXCAVATION, USE OF EXCAVATION PROTECTION SYSTEMS TO PROTECT EXISTING UTILITIES AND PREVENT ANY VERTICAL OR LATERAL EXCAVATION PROTECTION SYSTEM DESIGN SHALL INCLUDE THE PROVISION FOR PROTECTING THE SURROUNDING EXISTING UTILITIES DURING INSTALLATION, IN - SERVICE AND AFTER EXCAVATION/REMOVAL OF SUPPORT FOR EXCAVATION.  
 3. SUPPORT OF EXCAVATION AND TEMPORARY EXCAVATION PROTECTION SYSTEM SHALL INCLUDE THE PROVISION FOR PROTECTING THE SURROUNDING EXISTING UTILITIES DURING INSTALLATION, IN - SERVICE AND AFTER EXCAVATION/REMOVAL OF SUPPORT FOR EXCAVATION.

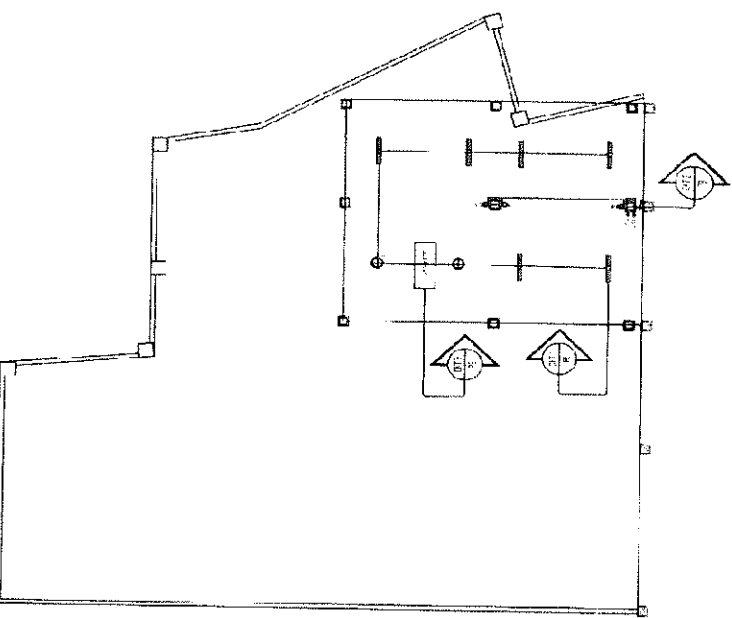


	Republic of the Philippines Department of Health <b>National Center for Mental Health</b> Avenue de Pedroto Street, Barangay Manay, Mandaluyong City		PROJECT LOCATION CONSTRUCTION OF PATIENT'S SERVICE VEHICLE MAINTENANCE FACILITY	APPROVED BY  RONDA A. SALAS PROJECT MANAGER	CHECKED BY  RONDA A. SALAS PROJECT MANAGER	APPROVED BY  RONDA A. SALAS PROJECT MANAGER	CHECKED BY  RONDA A. SALAS PROJECT MANAGER	DRAWN BY (Signature) (Signature) (Signature)	SHEET NO. 68 3 54
	PROJECT TITLE CONSTRUCTION OF PATIENT'S SERVICE VEHICLE MAINTENANCE FACILITY			APPROVED BY (Signature) (Signature) (Signature)	CHECKED BY (Signature) (Signature) (Signature)	APPROVED BY (Signature) (Signature) (Signature)	CHECKED BY (Signature) (Signature) (Signature)	DRAWN BY (Signature) (Signature) (Signature)	SHEET NO. 68 3 54



	REPUBLIC OF THE PHILIPPINES Department of Health <b>National Center for Mental Health</b> Nueva de Polonio Street, Barangay, Kachikanday, Cebu	PROJECT TITLE/LOCATION <b>CONSTRUCTION OF PATIENTS SERVICE VEHICLE MAINTENANCE FACILITY</b>	DRAWING NO. <b>11-125 MTS</b>	PROJECT NO. (Signature)	DATE OF ISSUE (Signature)	SHEET NO. <b>78</b> <b>S 4</b>
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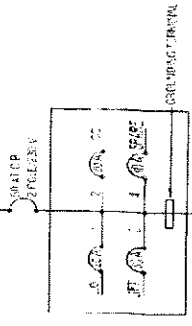
LOAD TABULATION & COMPUTATION (DISPLAY PANEL 1)

NO. OF OUTLET FIXTURES	WATTS	VOLTAG	AMPERES	CIRCUIT BREAKER	SIZE OF WIRE	CONDUIT
MAIN						
1 LIGHTING LOAD	300.00	120V	2.50	10A	2.0mm <sup>2</sup> THHN + 3.0mm <sup>2</sup> THN	3/4" min. O.D. RPE
2 CONSUMER OUTLET	540.00	220V	2.45	10A	2.0mm <sup>2</sup> THHN + 3.0mm <sup>2</sup> THN	3/4" min. O.D. RPE
3 CAR LIFT	2,238.00	220V	10.17	30A	2.0mm <sup>2</sup> THHN + 3.0mm <sup>2</sup> THN	3/4" min. O.D. RPE
4 SPARE						
TOTAL:					13.84	AWG

USE: CIRCUIT BREAKER 10A, 15A, 20A, 30A, 40A, 50A, 60A, 75A, 100A, 150A, 200A, 250A, 300A, 350A, 400A, 450A, 500A, 550A, 600A, 650A, 700A, 750A, 800A, 850A, 900A, 950A, 1000A

LOAD TABULATION AND COMPUTATION

3.0mm<sup>2</sup> THHN (BLACK FOR LINE)  
4.0mm<sup>2</sup> THHN (GREEN FOR GROUND)  
25mm<sup>2</sup> PVC (E) (1")



LEGEND

○	RECEIVING TOWER
□	TRANSFORMER
△	SWITCH
⊕	GROUND ROD
—	CONDUIT
—	WIRE
—	PIPE
—	STRUCTURE
—	RAILROAD
—	ROAD
—	PROPERTY LINE
—	BOUNDARY

ELECTRICAL PLAN LAYOUT

APPLICABLE CODES, GENERAL NOTES AND SPECIFICATION

	REPUBLIC OF THE PHILIPPINES Department of Health <b>National Center for Mental Health</b> Nove de Febrero Street, Barangay, Marikina City			
	PROJECT LOCATION	CONTRACT NO.	DATE	SCALE
GENERAL NOTES: 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE PHILIPPINE ELECTRICAL CODE (PEC).		PROJECT APPROVAL AND SIGNATURE OF THE ENGINEER:		
SPECIAL NOTES: 1. ALL MATERIALS SHALL BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.		PROJECT APPROVAL AND SIGNATURE OF THE ARCHITECT:		
GENERAL NOTES AND SPECIFICATIONS: 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE PHILIPPINE ELECTRICAL CODE (PEC).		PROJECT APPROVAL AND SIGNATURE OF THE ELECTRICAL ENGINEER:		