

Section VII. Drawings

Nr	Description	ABC (PhP)	Page
1	Construction of Supply Building FCIs/BLLs for 155mm SP Howitzer Facilities at 10FAB, Fort Magsaysay, Nueva Ecija	4,051,032.00	1-13
2	Construction of Parking for 155mm SP Howitzer Facilities at 10FAB, Fort Magsaysay, Nueva Ecija	2,114,172.00	14-20
3	Construction of Ground Development for 155mm SP Howitzer Facilities at 10FAB, Fort Magsaysay, Nueva Ecija	15,277,720.00	21-23
4	Construction of Water System for 155mm SP Howitzer Facilities at 10FAB, Fort Magsaysay, Nueva Ecija	4,892,968.00	24-27
5	Construction of Perimeter Fence and Standard Gate for 155mm SP Howitzer Facilities at 10FAB, Fort Magsaysay, Nueva Ecija	5,796,029.00	28-31
	Total ABC (PhP)	32,131,921.00	

(Page 01/31)

**Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23**

1 PERSPECTIVE
A-1 NOT TO SCALE

2 VICINITY MAP
A-1 NOT TO SCALE

3 LOCATION MAP
A-1 SCALE 1:3000 METERS

4 SITE LOCATION PLAN
A-1 SCALE 1:300 METERS

PROJECT TITLE: CONSTRUCTION OF SUPPLY BUILDING FOR 155mm HOWITZER FACILITIES 10TH FIELD ARTILLERY BATTALION, 1448 19A, FORT MAGSAYSAY, NUEVA ECJA

SHEET CONTENTS: AS SHOWN

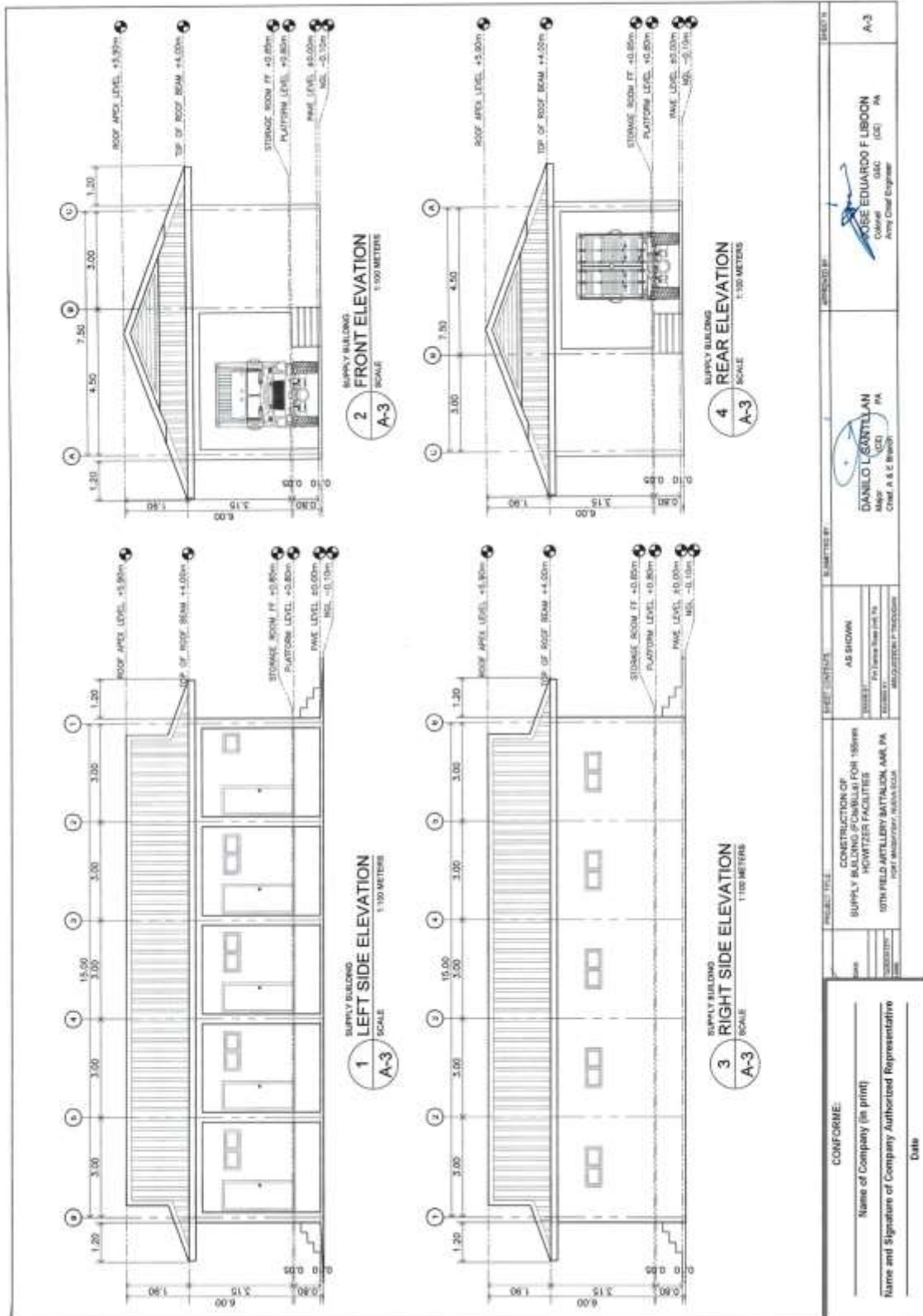
DESIGNED BY: DANLO L. SANTILAN, ChE, P.E., R.A. 9000

CHECKED BY: FRANCIS ANTONIO M. CORONEL, ChE, P.E., R.A. 9000

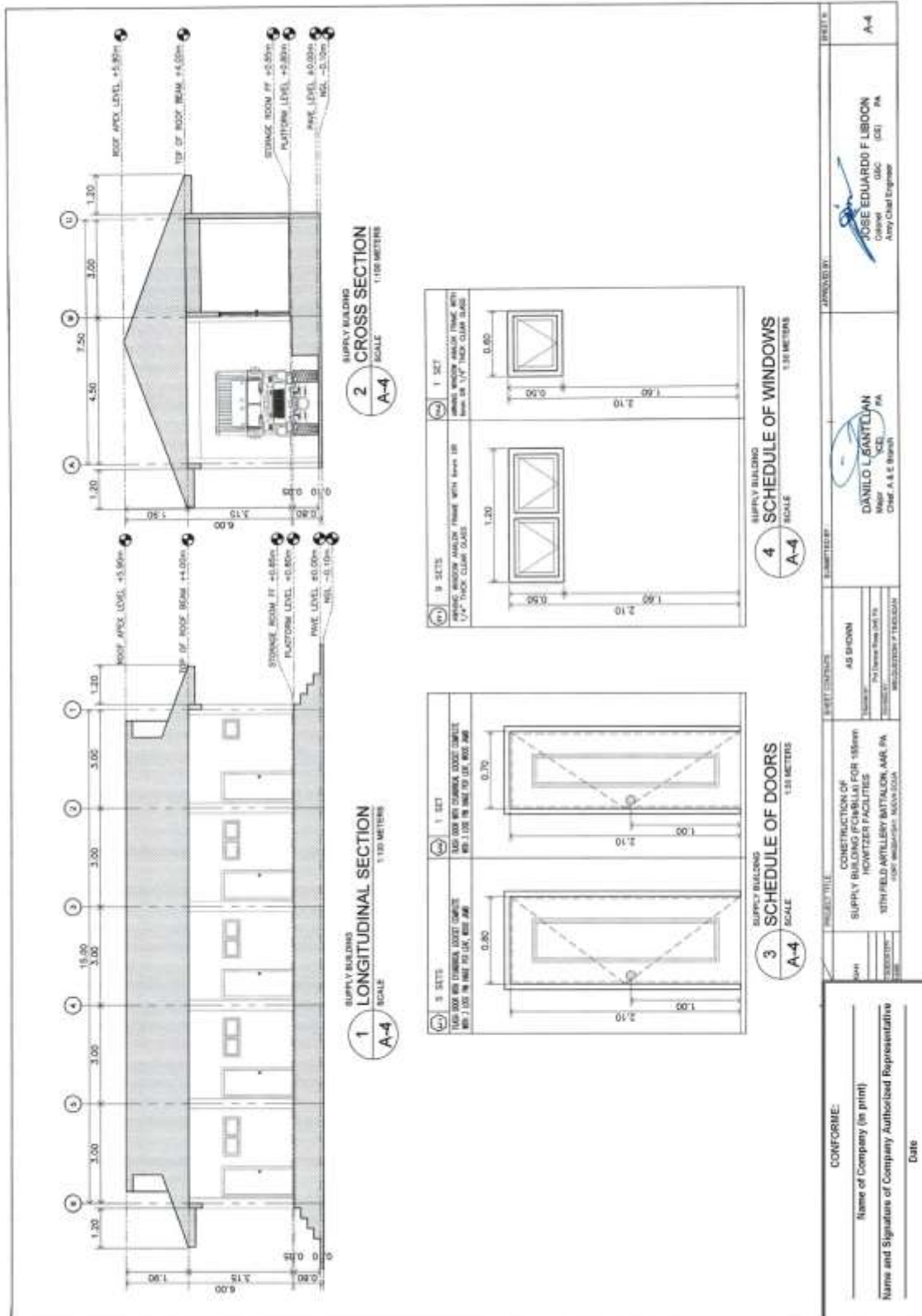
APPROVED BY: ROBERTO S. SORIANO, JR., ChE, P.E., R.A. 9000

CONFORME:
Name of Company (in print)
Name and Signature of Company Authorized Representative
Date

Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23



Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23



Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 016-23

GENERAL NOTES

- IN THE INTERPRETATION OF THE DRAWING, INDICATED DIMENSIONS SHALL GOVERN AND DISTANCES AND SIZES SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES.
- IN REFERENCE TO OTHER DRAWINGS, SEE ARCHITECTURAL DRAWINGS FOR DEPRESSIONS IN FLOOR SLABS, OPENINGS IN THE WALLS AND SLABS, INTERIOR PARTINGS, LOCATION OF DOORS, ETC.
- IN CASE OF DISCREPANCIES AS TO THE LAYOUT, DIMENSIONS, AND ELEVATIONS BETWEEN BOTH THE STRUCTURAL PLANS, AND ARCHITECTURAL DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER AND THE ARCHITECT.
- ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH THE AC-311 (9) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND ALL STRUCTURAL STEEL WORK ACCORDING WITH AISC SPECIFICATION (9TH EDITION) IN SO FAR AS THEY DO NOT CONFLICT WITH THE LOCAL BUILDING CODE REQUIREMENT.
- AO REFERS TO AMERICAN CONCRETE INSTITUTE, AISC TO AMERICAN INSTITUTE OF STEEL CONSTRUCTION AND ASTM TO AMERICAN SOCIETY FOR TESTING MATERIALS.
- CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS, MISCELLANEOUS IRON, PRE-CAST CONCRETE, ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
- CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOODLS, EQUIPMENT'S AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
- ALL RESULTS OF MATERIAL TESTING FOR CONCRETE, REINFORCING BARS, & STRUCTURAL STEEL, MUST BE NOTED & APPROVED BY THE STRUCTURAL DESIGNER.

NOTES ON CONCRETE MIXES & PLACING

- ALL CONCRETE SHALL DEVELOP A MIN. COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS W/ CORRESPONDING MINIMUM SIZE AGGREGATE & SLUMPS AS FOLLOWS.

LOCATION	28 DAYS STRENGTH	MAX. SIZE OF AGGREGATE	MAX. SLUMP
ALL OTHERS, INCLUDING SUSPENDED SLABS, COLUMNS	3000 PSI (20.70 MPa)	20mm	100mm
BEAMS, SLABS	3000 PSI (20.70 MPa)	20mm	100mm
SLAB ON FILL	3000 PSI (20.70 MPa)	20mm	100mm
- MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS.

SUSPENDED SLABS	20mm
SLAB ON GRADE	40mm
WALLS ABOVE GRADE	25mm
BEAM STRIPPINGS AND COLUMN TIES WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH	50mm
CONCRETE SHALL BE DEPOSITED IN ITS FINAL POSITION WITHOUT SEGREGATION, HE-HAND LING OR PLACING SHALL BE DONE PREFERABLY WITH BUCKETS, BUCKETS OR WHEELBARROWS, NO CHUTES WILL BE ALLOWED EXCEPT TO TRANSFER CONCRETE FROM HOPPERS TO BUCKETS, WHEELBARROWS OR BUCKETS IN WHICH CASE THEY SHALL NOT EXCEED SIX (6) METERS IN AGGREGATE LENGTH.	75mm
- NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATORS UNLESS AUTHORIZED IN WRITING BY THE DESIGNER AND ONLY FOR UNUSUAL CONDITIONS WHERE VIBRATIONS ARE EXTREMELY DIFFICULT TO ACCOMPLISH.

NOTES ON FOOTINGS

- FOOTING SHALL REST AT LEAST 1500mm BELOW NATURAL GRADE LINE UNLESS OTHERWISE INDICATED IN PLANS. NO FOOTING SHALL REST ON FILL.
- MINIMUM CONCRETE PROTECTION FOR REINFORCEMENTS SHALL BE 75mm CLEAR FROM THE GROUND AND 50mm FOR CONCRETE DEPOSITED AGAINST A FOUNDATION.

SECTION

TYP. DET. OF LINTEL BEAM AT CHB WALL OPENING

DETAIL OF MASONRY WALL

5. ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED & SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.

6. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.

7. STRIPPING OF FORMS AND SHORES:

FOUNDATION	24 HRS.
SUSPENDED SLAB WALLS	14 DAYS
BEAMS	21 DAYS
COLUMNS	14 DAYS
COLUMNS	21 DAYS

8. THE CONTRACTOR SHALL SUBMIT THE SCHEDULE OF POURING AND THE LOCATION OF THE CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER AT LEAST (4) DAYS PRIOR TO THE POURING FOR APPROVAL.

9. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ADEQUATE FORMS AND SHORING UNTIL THE CONCRETE MEMBERS HAVE ATTAINED THEIR WORKING CONDITION AND STRENGTH.

APPROVED BY:

JOSE EDUARDO F. LIBDON
Major (Ret) PA
Army Chief Engineer

APPROVED BY:

DANILO Z. BANTILAN
Major (Ret) PA
Chief A & E Engineer

PROJECT TITLE:

CONSTRUCTION OF SUPPLY BUILDING (CELL) FOR 155mm HOWITZER FACILITIES
 18TH FIELD ARTILLERY BATTALION, 10FAB, FT. MAGSAYSAY, NUEVA ECJIA

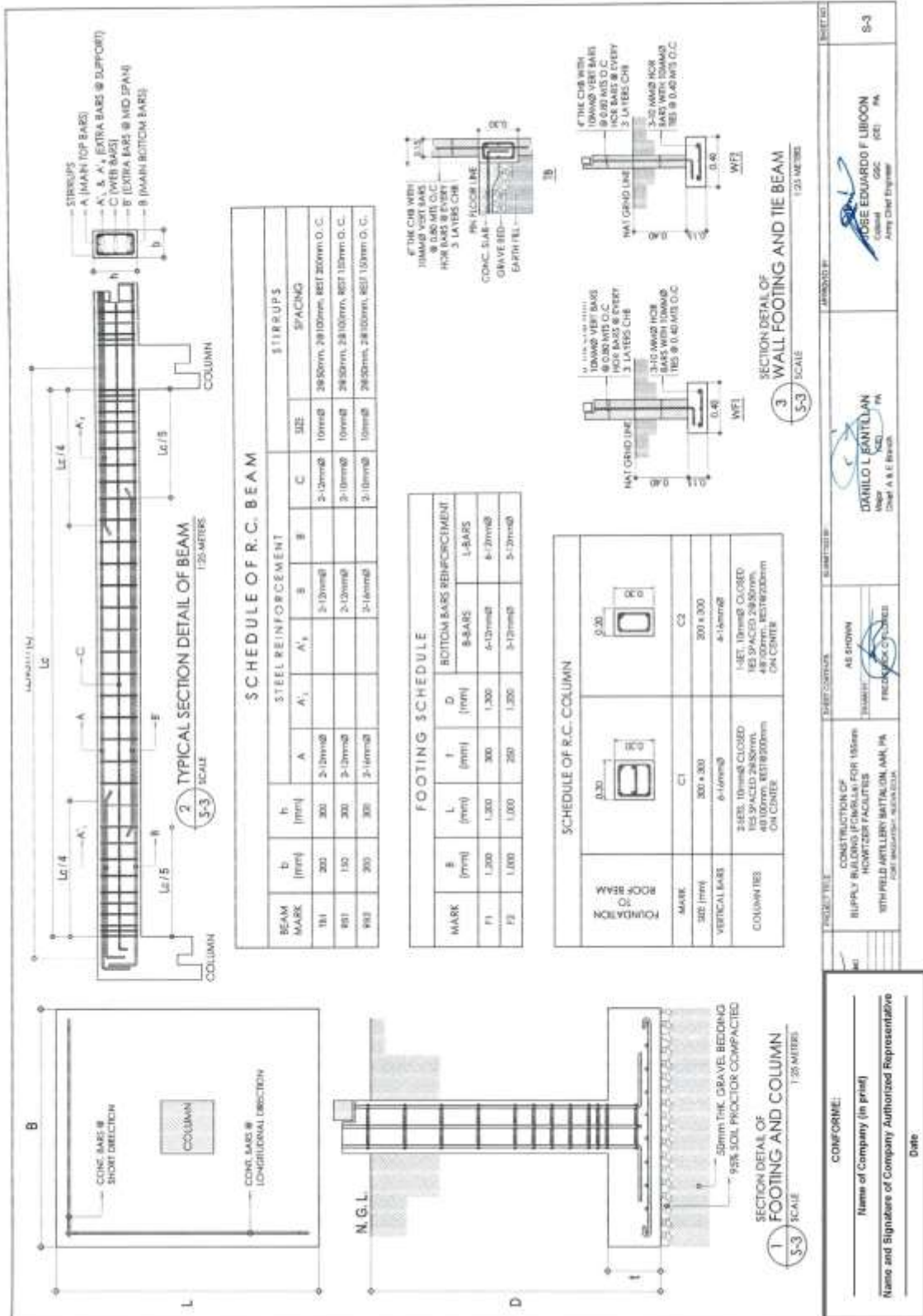
CONFORME:

Name of Company (in print)

Name and Signature of Company Authorized Representative

Date

Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 016-23



PROJECT TITLE: CONSTRUCTION OF SUPPLY BUILDING (FOR MILK) FOR 155mm HOWITZER FACILITIES 10TH FIELD ARTILLERY BATTALION, AMB, PA

PROJECT NO.: 101

DESIGNER: DAHILO L. BANTILAN, Major, Chief, A & C Branch

APPROVED BY: ROSE EDUARDO F. LIBRON, Colonel, GSC (EE) PA, Army Chief Engineer

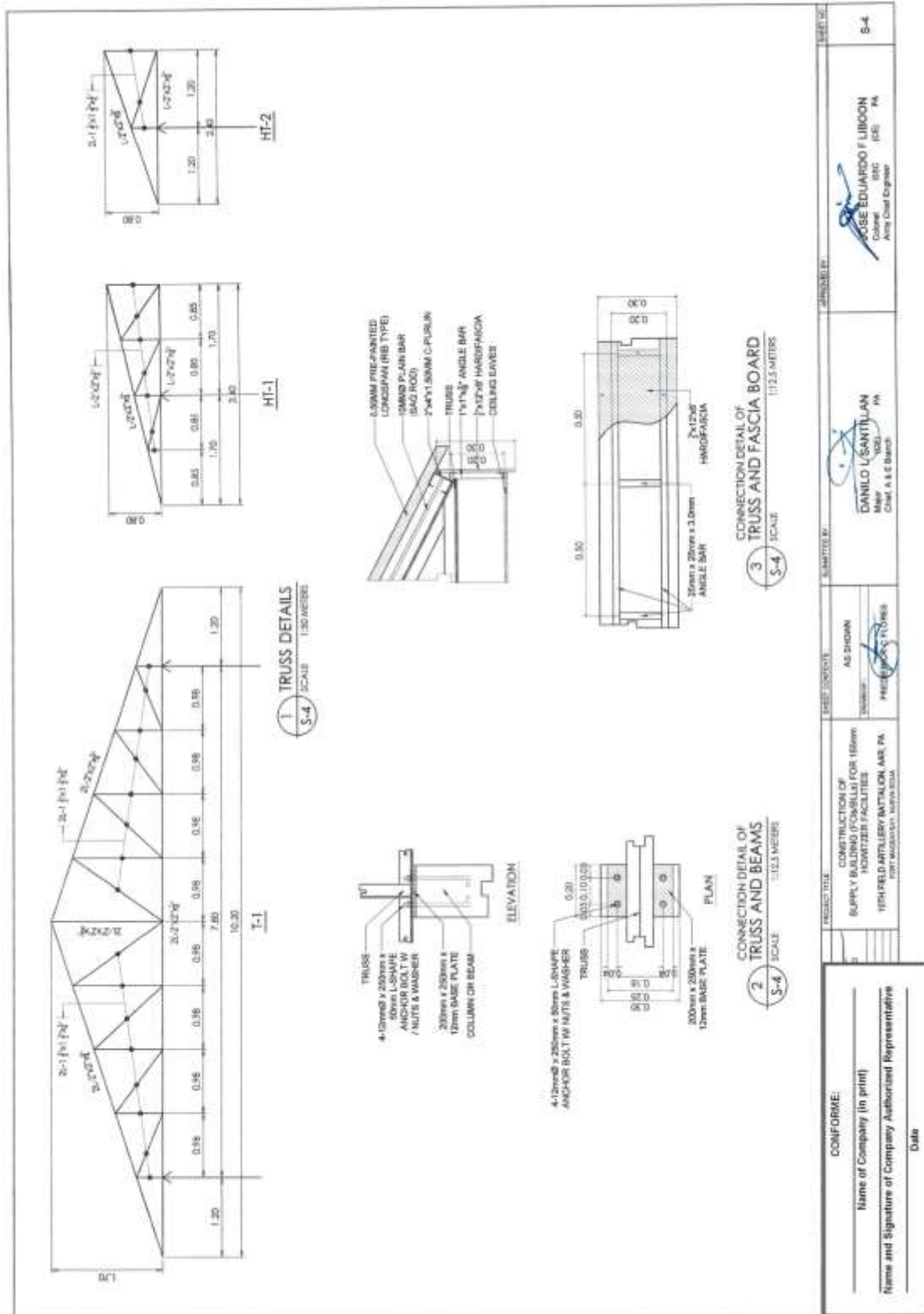
DATE: _____

CONFORME: _____
 Name of Company (in print)
 Name and Signature of Company Authorized Representative

DATE: _____

(Page 08/31)

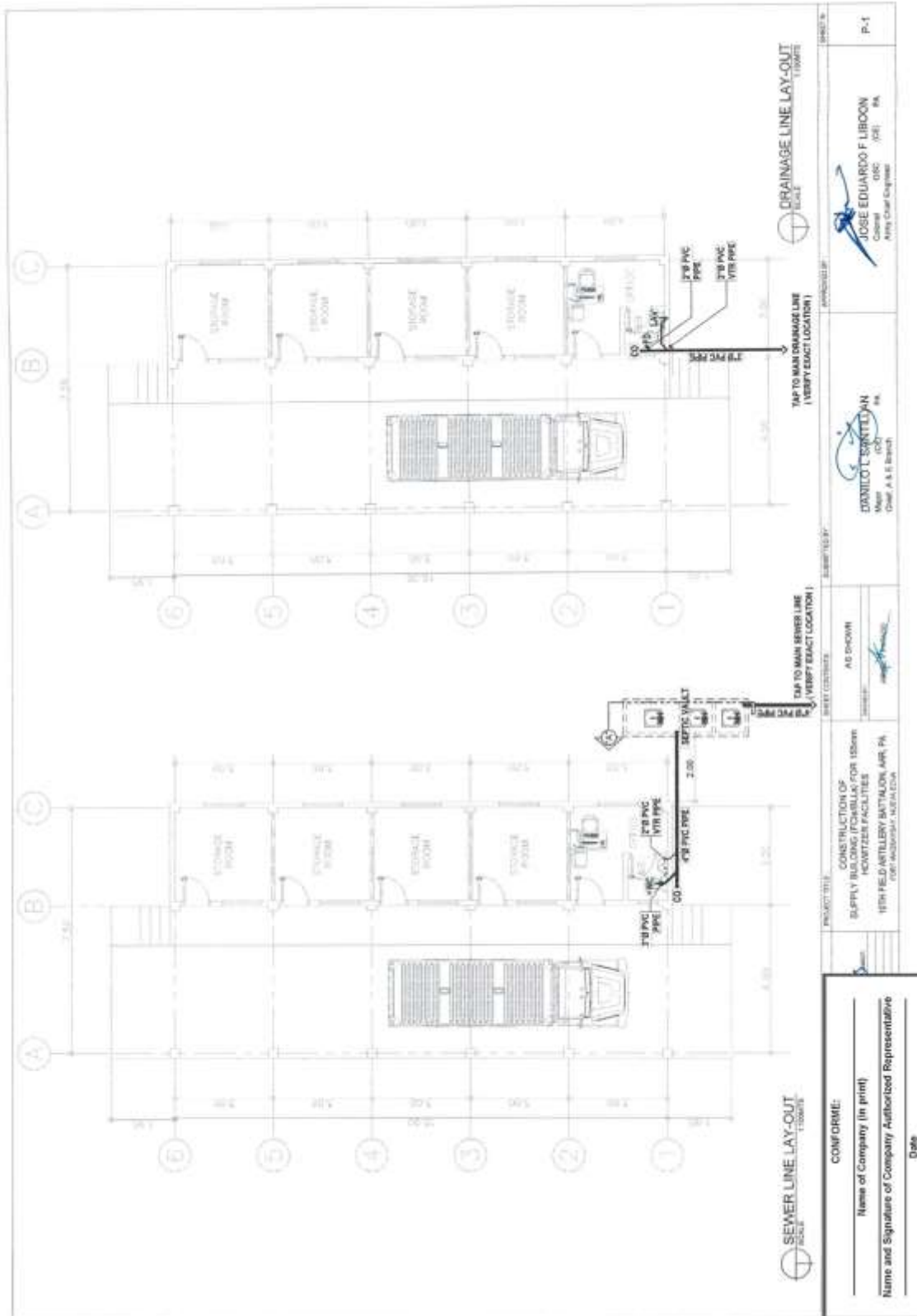
Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23



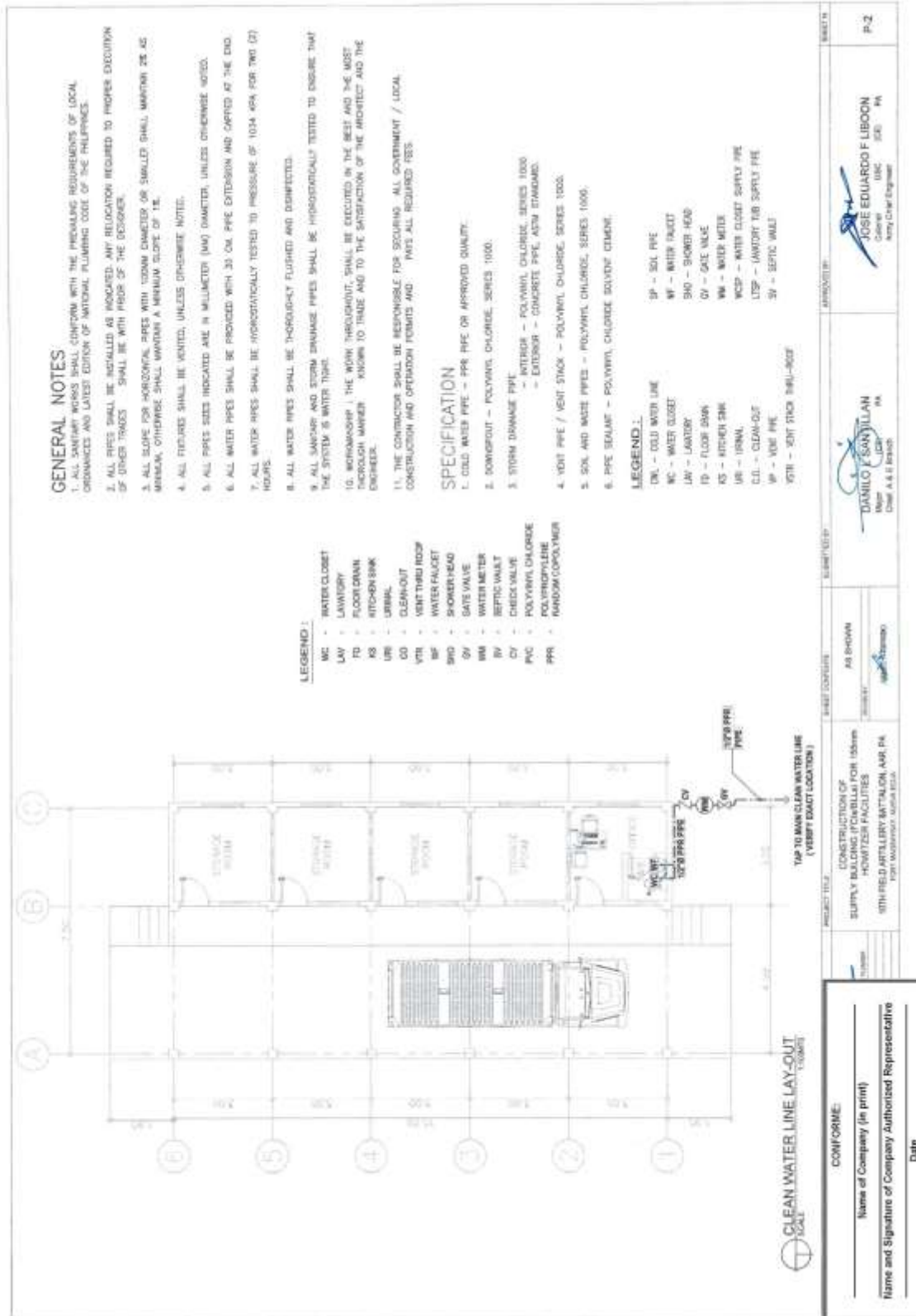
CONFORME: Name of Company (In print) Name and Signature of Company Authorized Representative Date		PREPARED BY: AS SHOWN PREPARED BY:	SUBMITTED BY: DANILLO U. SANTILLAN Chief, A & E Branch	APPROVED BY: ROSE EDUARDO F. LIBONON Colonel, USG (CE) PA Army Chief Engineer	SHEET NO. S-4
--	--	--	--	--	------------------

(Page 09/31)

Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23

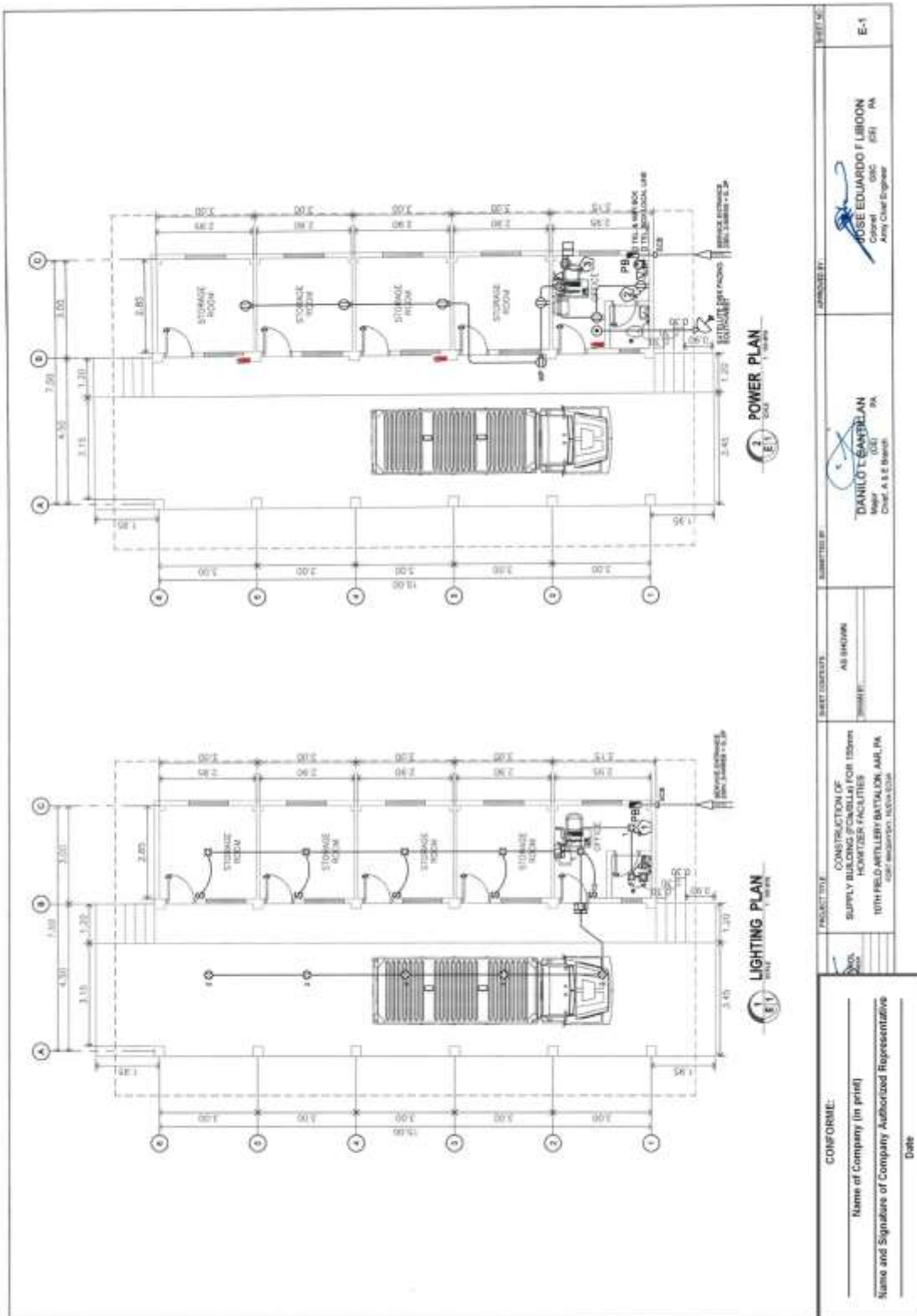


Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23



(Page 12/31)

**Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23**



(Page 14/31)

Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23

2 SITE DEVELOPMENT PLAN
 A-1 SCALE: 1:10000

1 VICINITY MAP
 A-1 SCALE: 1:100000

SPECIFIC FACILITIES OF 10FAB IN FORT MAGSAYSAY, NUEVA ECIJIA

#	NAME OF PROJECTS	QTY
01	ADMIN BUILDING	01
02	MESSHALL	01
03	CO'S QUARTERS	01
04	EXO QUARTERS	01
05	EM BARRACKS	01
06	FEMALE BARRACKS	01
07	4-STORY EP BARRACKS	01
08	OFFICER'S QUARTERS	01
09	OFFICER'S MESSHALL	01
10	MULTI-PURPOSE FACILITY (MARKET/SMALL COURT)	01
11	SUPPLY ROOM	01
12	GUANO POST	01
13	GUN SHED	01
14	PARKING LOT	01
15	PT-POST	01

SPECIFIC FACILITIES OF 10FAB IN FORT MAGSAYSAY, NUEVA ECIJIA

#	NAME OF PROJECTS	QTY
16	PARKING FOR TUGSP HOWITZERS	01
17	SUPPLY ROOM (FOR BARRACKS)	01

THIS SITE
 FORT MAGSAYSAY, NUEVA ECIJIA

CONFORME:
 Name of Company (in print) _____
 Name and Signature of Company Authorized Representative _____
 Date _____

AS BOUND
 AS BOUND BY: _____
 AS BOUND BY: _____
 AS BOUND BY: _____
 AS BOUND BY: _____

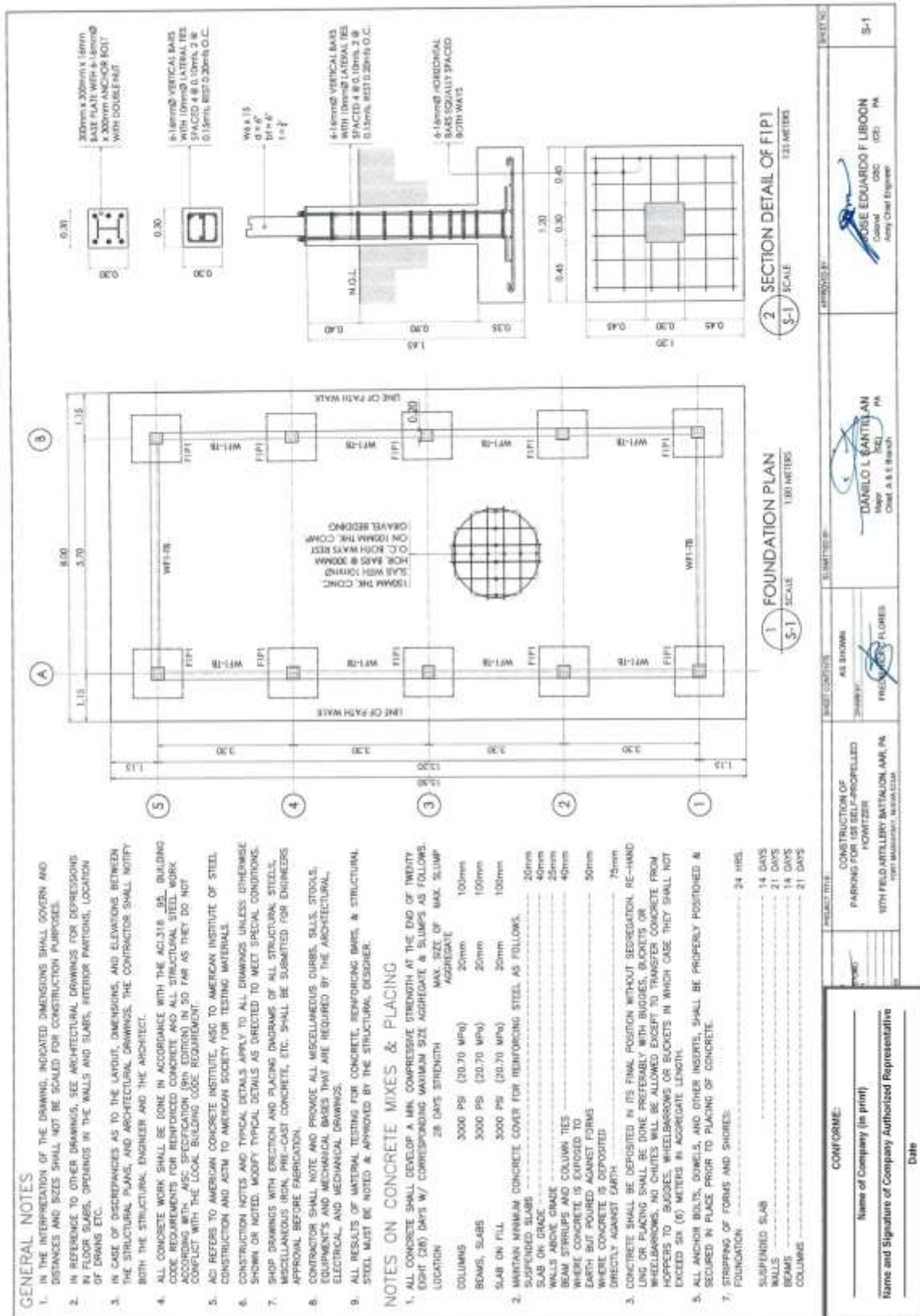
DATE OF ISSUE: _____
SCALE: _____
PROJECT NO.: _____
PROJECT NAME: _____
PROJECT LOCATION: _____
PROJECT STATUS: _____
PROJECT OFFICER: _____
PROJECT ENGINEER: _____
PROJECT ARCHITECT: _____
PROJECT SURVEYOR: _____
PROJECT INSPECTOR: _____
PROJECT CONTRACTOR: _____

(Page 15/31)

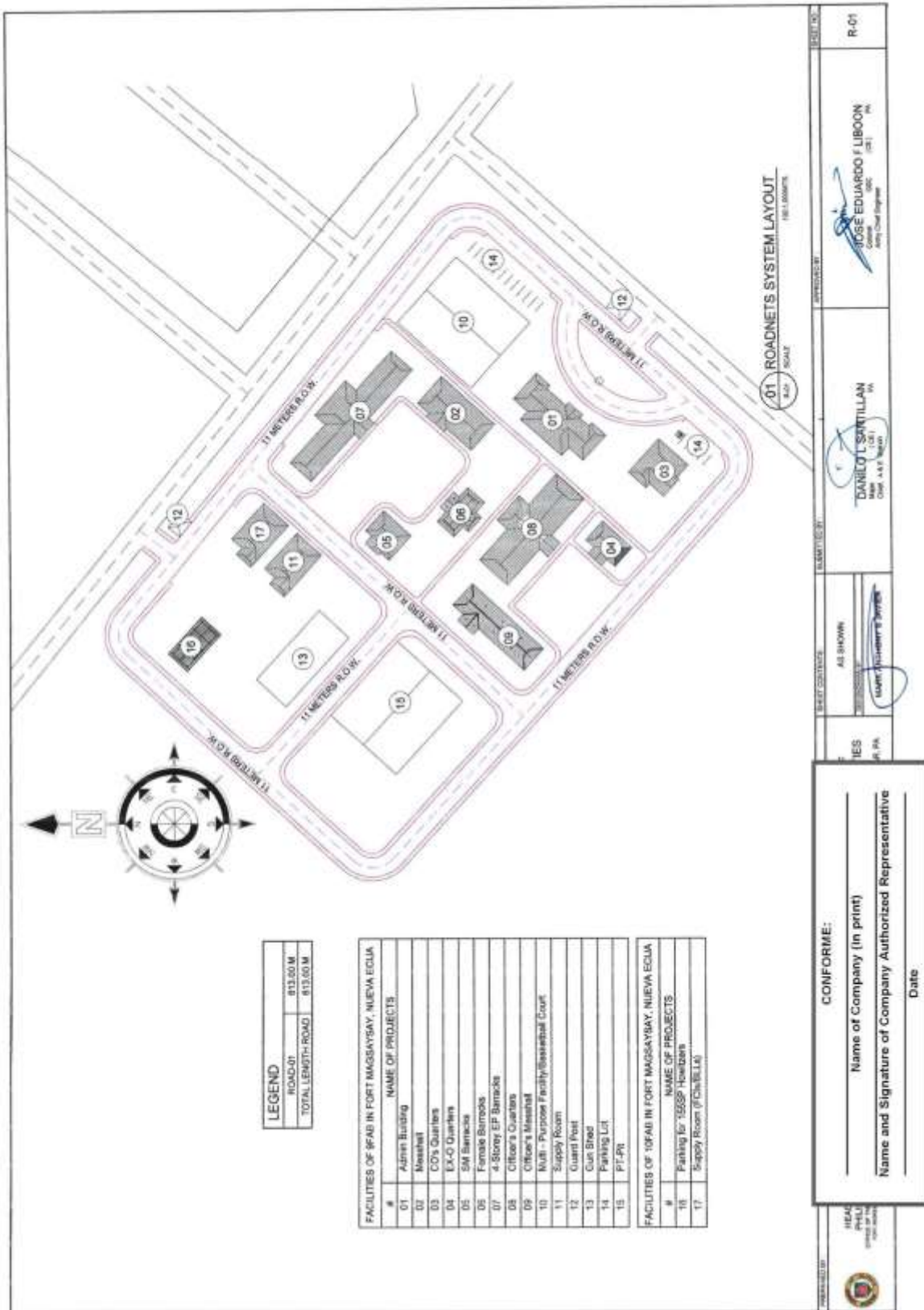
**Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23**



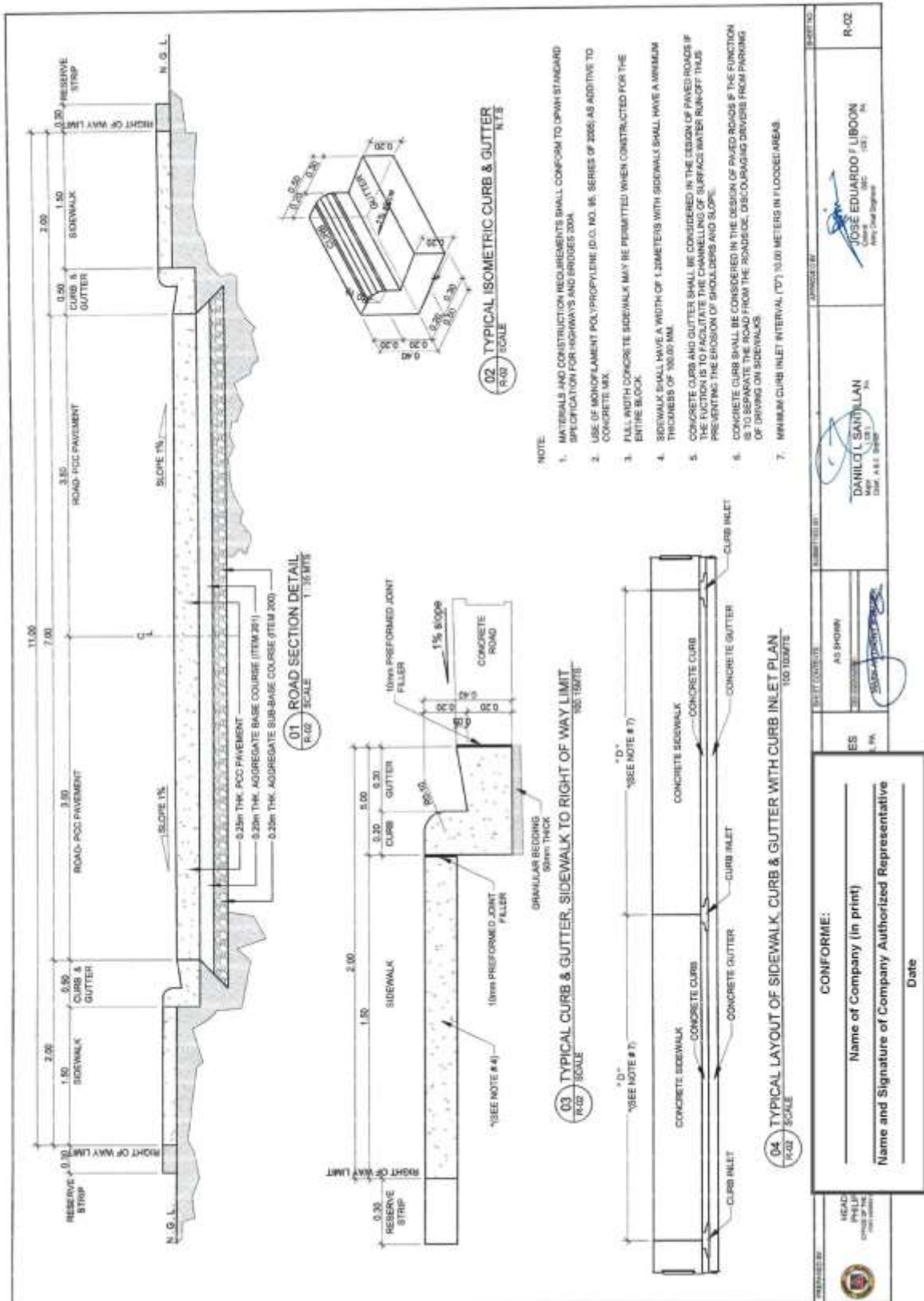
Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 016-23



Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23

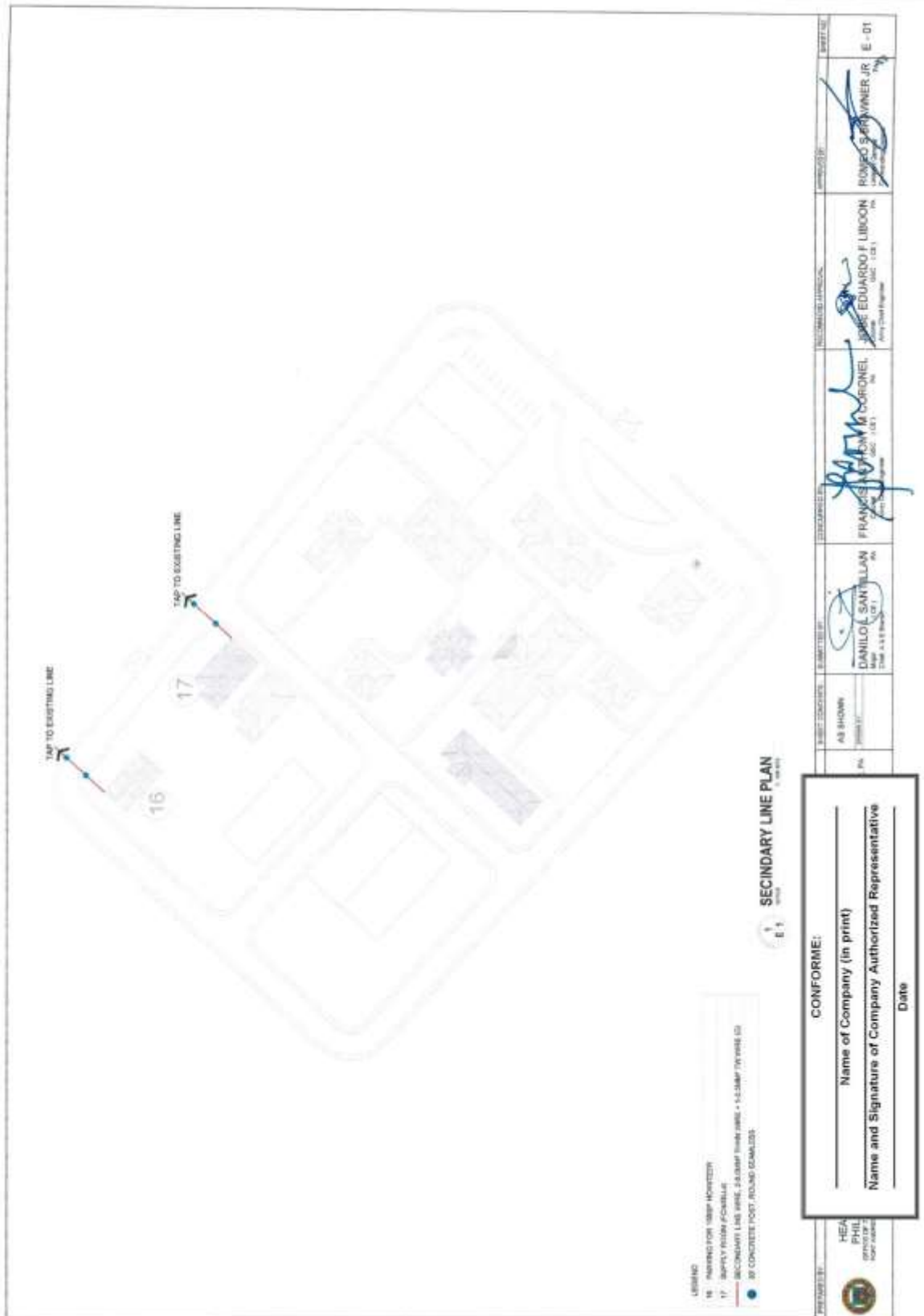


Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23

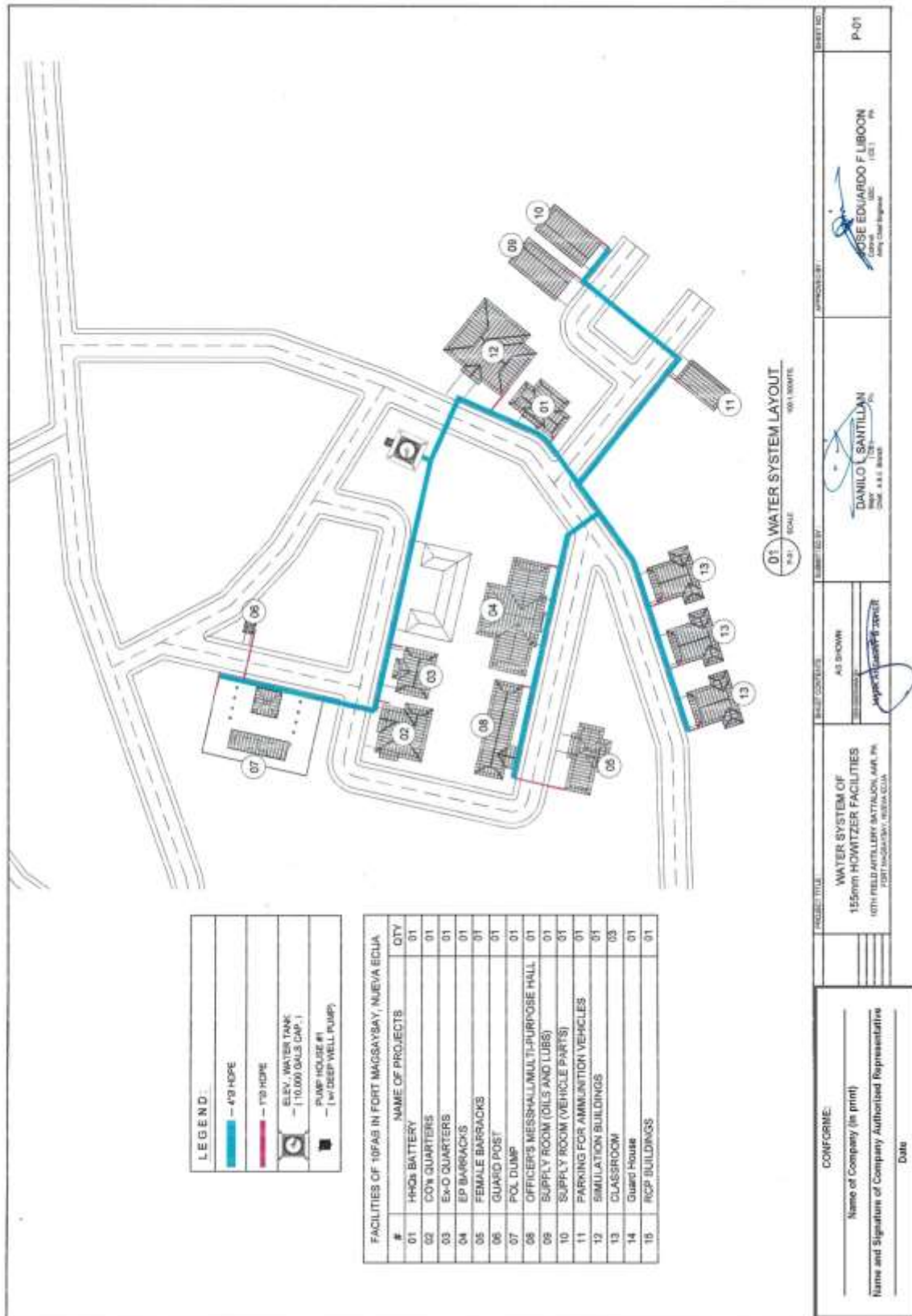


<p>PREPARED BY: </p> <p>HEAD: PHILIPPINE ARMY</p> <p>CHIEF OF THE COMMITTEE:</p>	<p>AS SHOWN</p> <p>ES</p> <p>IN</p>	<p>DESIGNED BY:</p> <p>JOSE EDUARDO F. LIBOON</p> <p>CHIEF ENGINEER</p> <p>(SEAL)</p>	<p>PROJECT NO.:</p> <p>R-02</p>
<p>CONFORME:</p> <p>Name of Company (in print)</p> <p>Name and Signature of Company Authorized Representative</p> <p>Date</p>	<p>DESIGNED BY:</p> <p>DANILO L. SANTILLAN</p> <p>CHIEF ENGINEER</p> <p>(SEAL)</p>	<p>PROJECT NO.:</p> <p>R-02</p>	

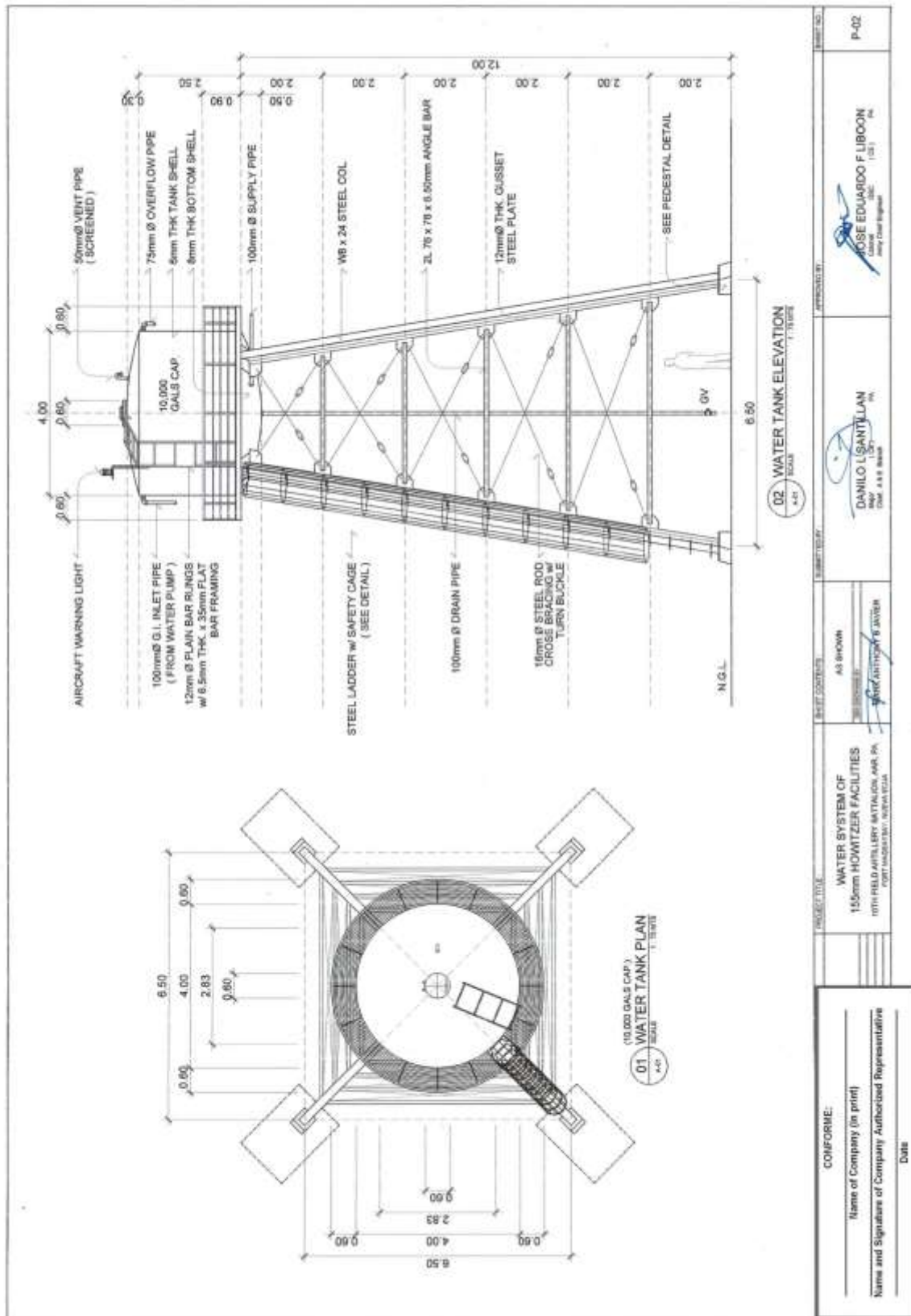
(Page 23/31)
**Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay,
Nueva Ecija (1 Lot)**
Bid Ref. No. ENG'G PABAC3 016-23



**Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23**

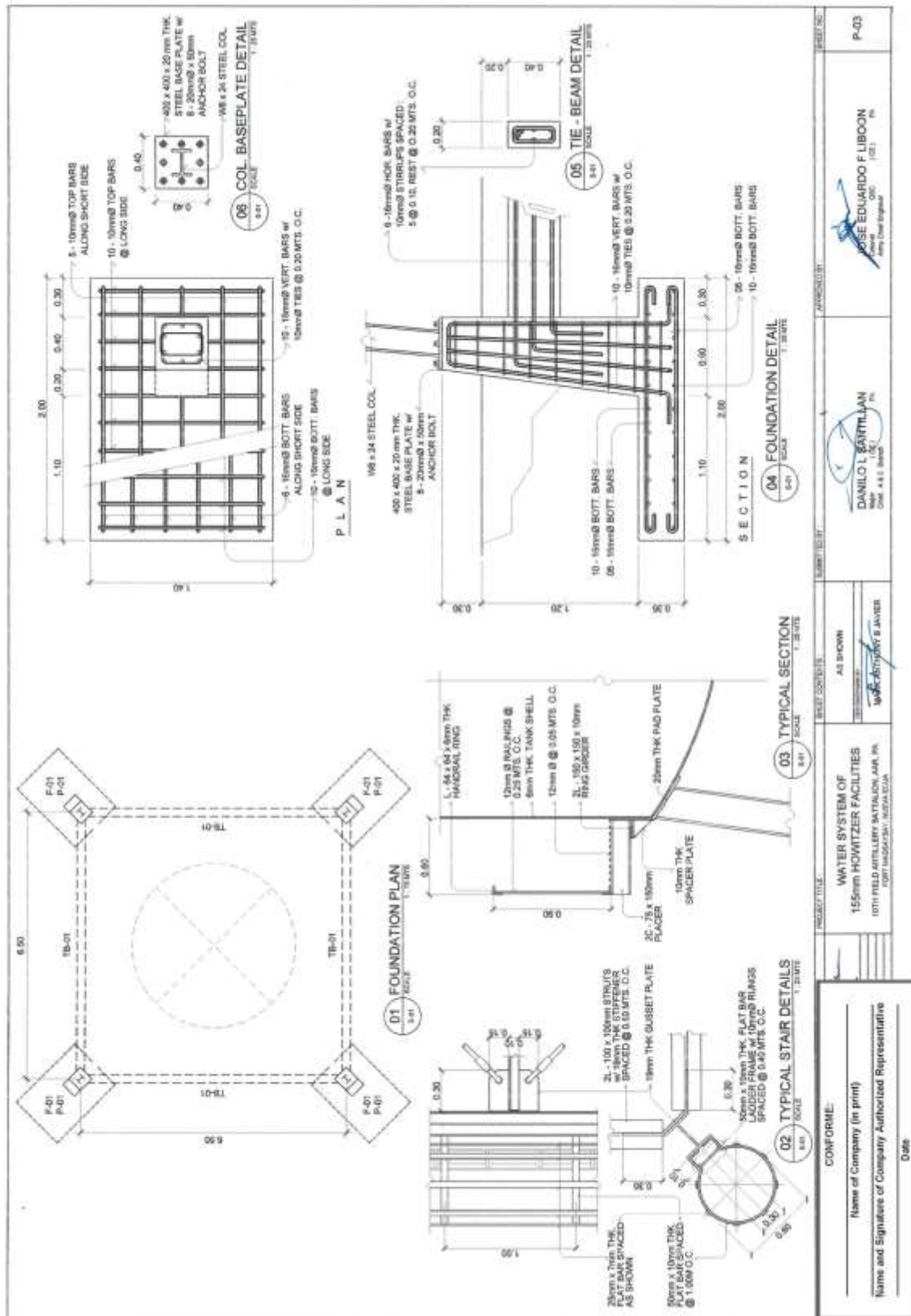


Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23



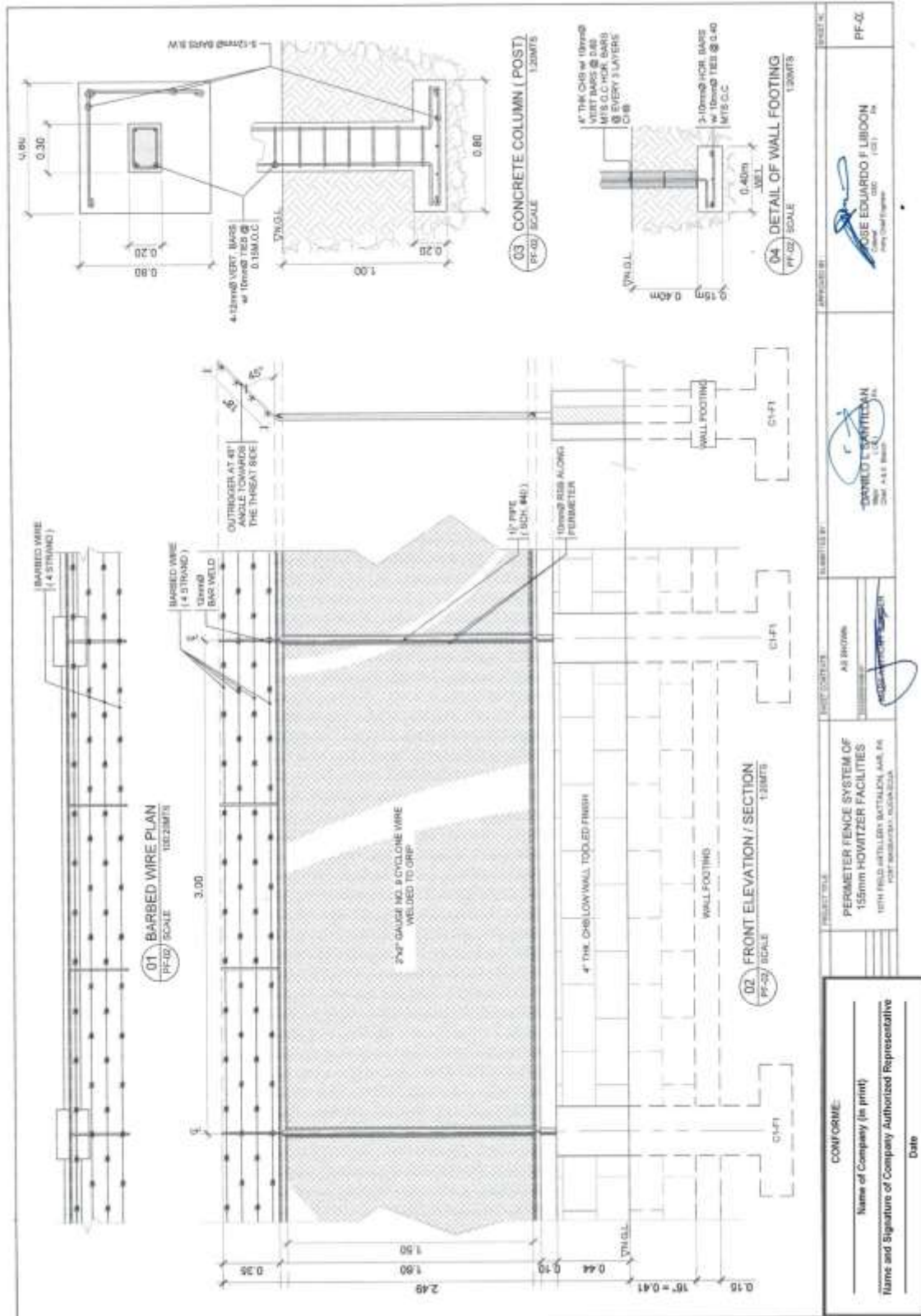
PROJECT TITLE: WATER SYSTEM OF 155mm HOWITZER FACILITIES 10TH FIELD ARTILLERY BATTALION, 10AF, PA Fort Magsaysay, Nueva Ecija	SUBMITTER: AS SHOWN GARCIA/ANTONIO B. JAVIER	APPROVED BY: DAMILO L. SANTILLAN Chief, A.A.R. Section	PROJECT NO. P-02
CONFORME: Name of Company (in print) Name and Signature of Company Authorized Representative Date		ROSE EDUARDO F. LIBONON (101) - (P) Army Civil Engineer	

Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 016-23



PROJECT TITLE: WATER SYSTEM OF 155mm HOWITZER FACILITIES 10TH FIELD ARTILLERY BATTALION, 10A, PH 10TH MAGSAYSAY, NEVUECJA	SUBJECTS: AS SHOWN MAGSAYSAY S JAVIER	APPROVED BY: DANILO L. SANTIPLAN Chief	DESIGNED BY: JOSE EDUARDO F. LIBON Chief	SHEET NO.: P-03
CONFORME: Name of Company (in print) Name and Signature of Company Authorized Representative Date				

Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23



(Page 29/31)

Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23

1

EXTERIOR PERSPECTIVE

A-1

NOT TO SCALE

PROJECT TITLE:	CONSTRUCTION OF STANDARD GATE FOR 155mm HOWITZER FACILITIES 10TH FIELD ARTILLERY BATTALION, 10AF, FA	PROJECT NO.:	10AF Magsaysay, Nueva Ecija	DATE:	2024
DESIGNER:	AS SHOWN	APPROVED BY:	EDUARDO F. BOCAN	DATE:	2024
SCALE:	AS SHOWN	APPROVED BY:	ROMEO S. BROWNER	DATE:	2024
DATE:	2024	APPROVED BY:	FRANCIS P. CORONADO	DATE:	2024
DATE:	2024	APPROVED BY:	EDUARDO F. BOCAN	DATE:	2024
DATE:	2024	APPROVED BY:	ROMEO S. BROWNER	DATE:	2024

CONFORME:

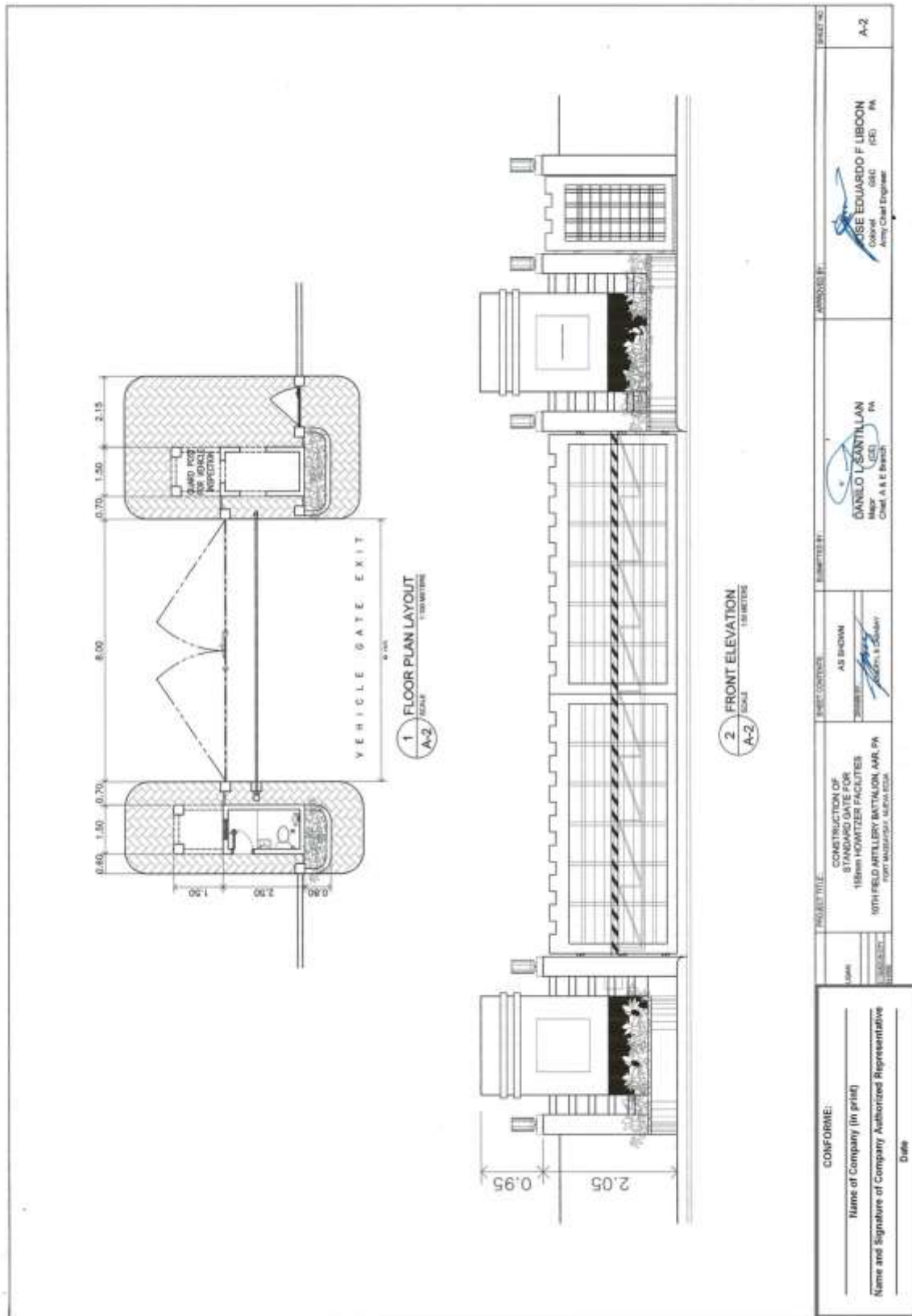
Name of Company (in print) _____

Name and Signature of Company Authorized Representative _____

Date _____

(Page 30/31)

Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 016-23



(Page 31/31)

Construction of Facilities for 155mm SP Howitzer at 10FAB, Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 016-23

1 REAR ELEVATION
1:50

	PROJECT TITLE CONSTRUCTION OF STAFF QUARTERS 155mm HOWITZER FACILITIES 10TH FIELD ARTILLERY BATTALION, 10FAB, Fort Magsaysay, Nueva Ecija	DESIGNER AS PHOENIX ARCHITECTS DEVIL'S CRAWLY	CHECKED BY JOSE EDUARDO F. LIBICON Civil Engr. (RCE) - PA Army Civil Engineer	APPROVED BY CARLOS S. SORIANO Major (CSE) Chief, A & E Section	SCALE A-3
<p>CONFORME:</p> <p>_____ Name of Company (in print)</p> <p>_____ Name and Signature of Company Authorized Representative</p> <p>_____ Date</p>					

