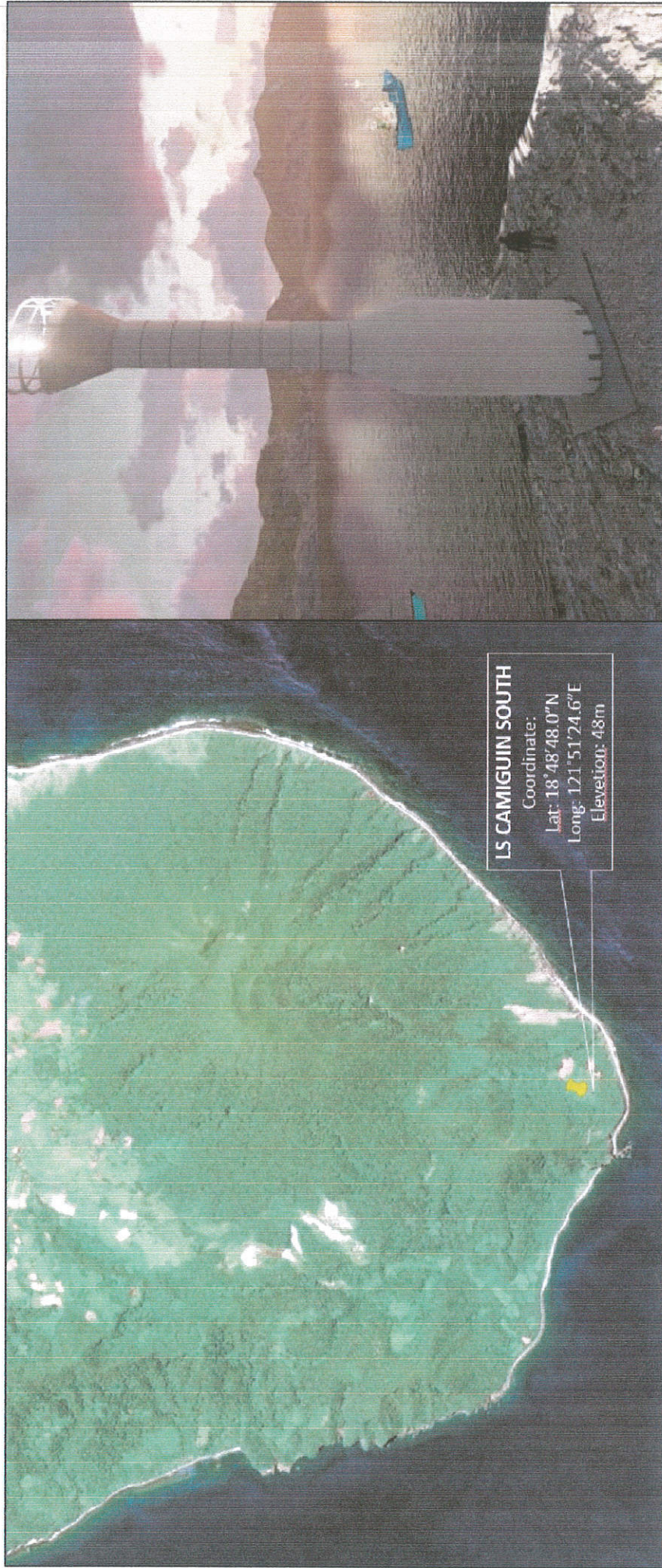
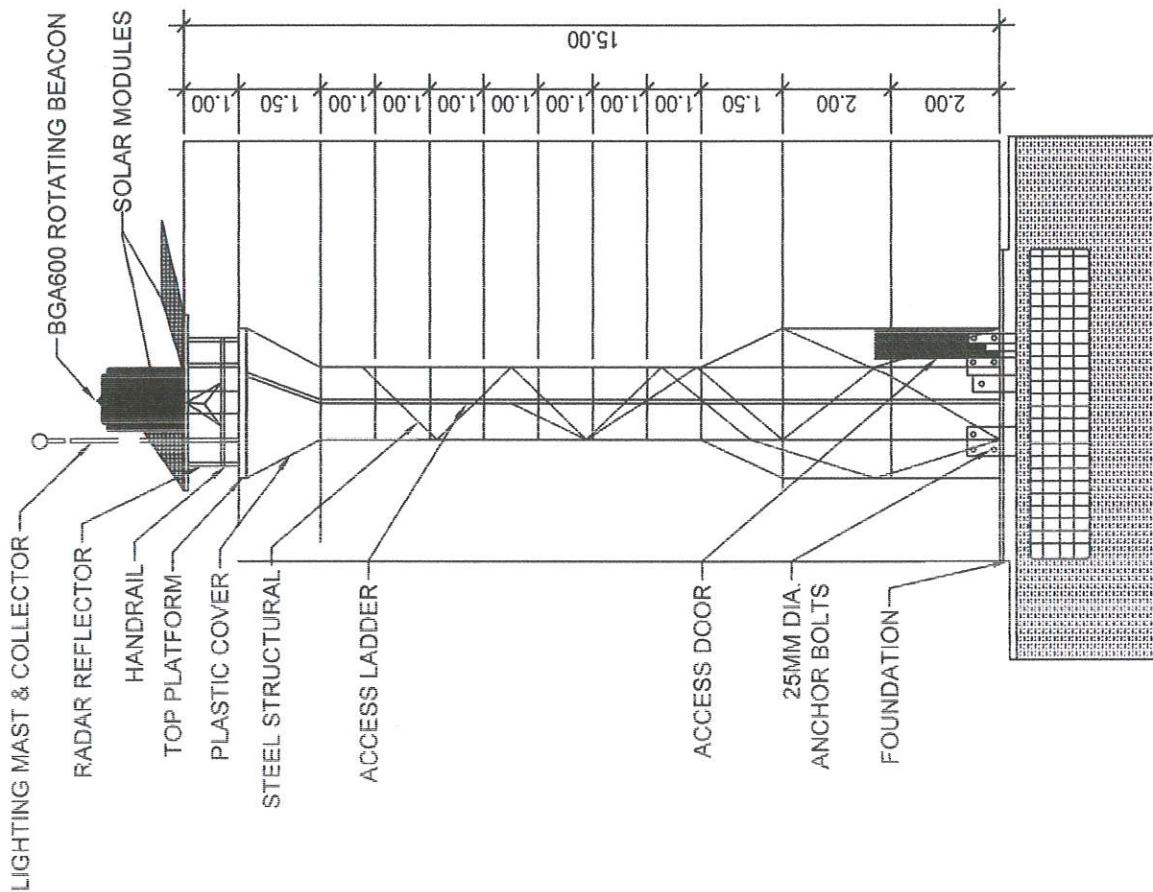


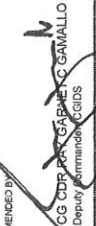


SITE DEVELOPMENT PLAN

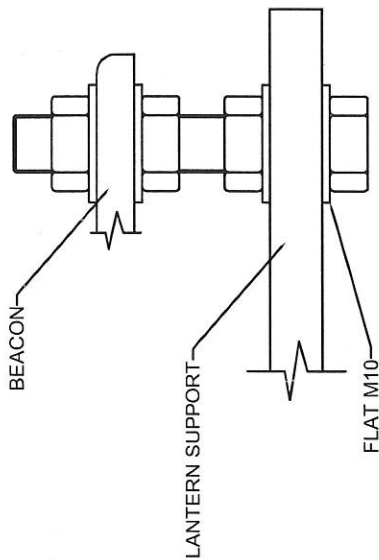
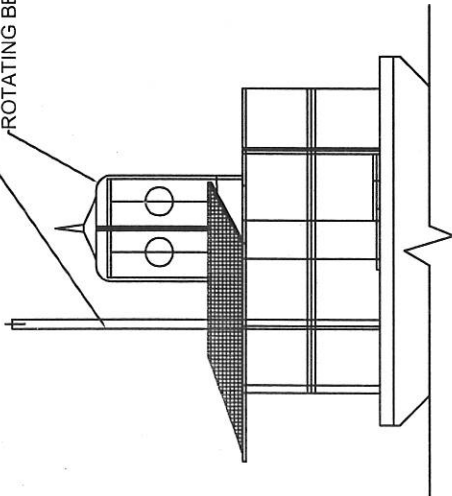
PERSPECTIVE

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 139 25TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LS CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. MAGUILAN, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY: CG CGSG-REYNOLDO PASCUAL Head, Project Performance and Evaluation	CHECKED BY:  CG ENSIGNARDO C. LOPEZ Head, Project Performance and Evaluation	RECOMMENDED BY:  CG 1ST LT. R. GAMALLO Deputy Commander, CGIDS	APPROVED BY:  CG CAPT. PRUDENCE C. PATRICIO JR. (GSC) Commander, CGIDS		
REVISION	DATE				



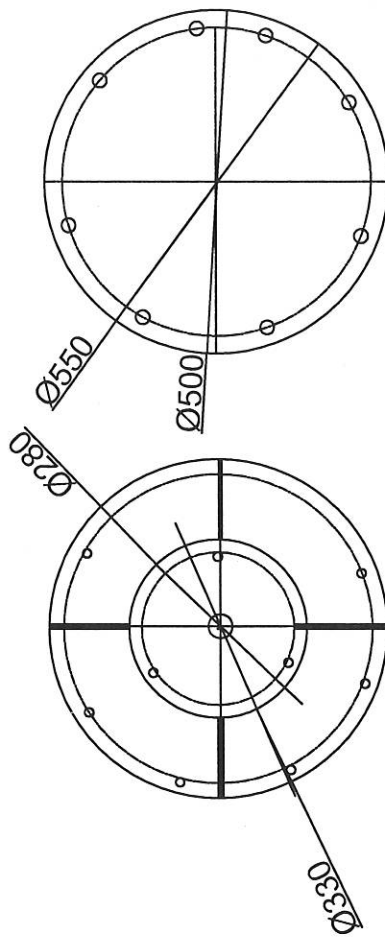
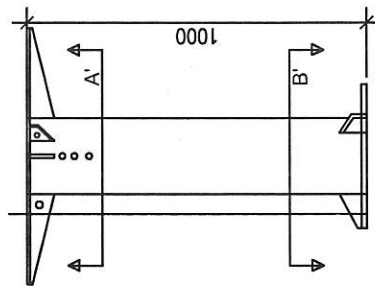
 PHILIPPINE COAST GUARD HEADQUARTERS, PHILIPPINE COAST GUARD 137 25TH ST. PORT AREA, MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF 13 CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. MAGULAN, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY: C/S CECILIO RAYNORACE PASCUAL Head, Project Performance and Evaluation	CHECKED BY:  C/S CECILIO RAYNORACE PASCUAL Head, Project Performance and Evaluation	RECOMMENDED BY:  CG CAPT PRUDENCIO C. PATRICIO (GSC) Commander, CGDS	APPROVED BY:  CG CAPT PRUDENCIO C. PATRICIO (GSC) Commander, CGDS		

LIGHTNING MAST & COLLECTOR SPIKE
ROTATING BEACON



LANTERN LEVELLING

LIGHTNING MAST
HATCHWAY
HANDRAIL
TOP PLATFORM
(02.28M)

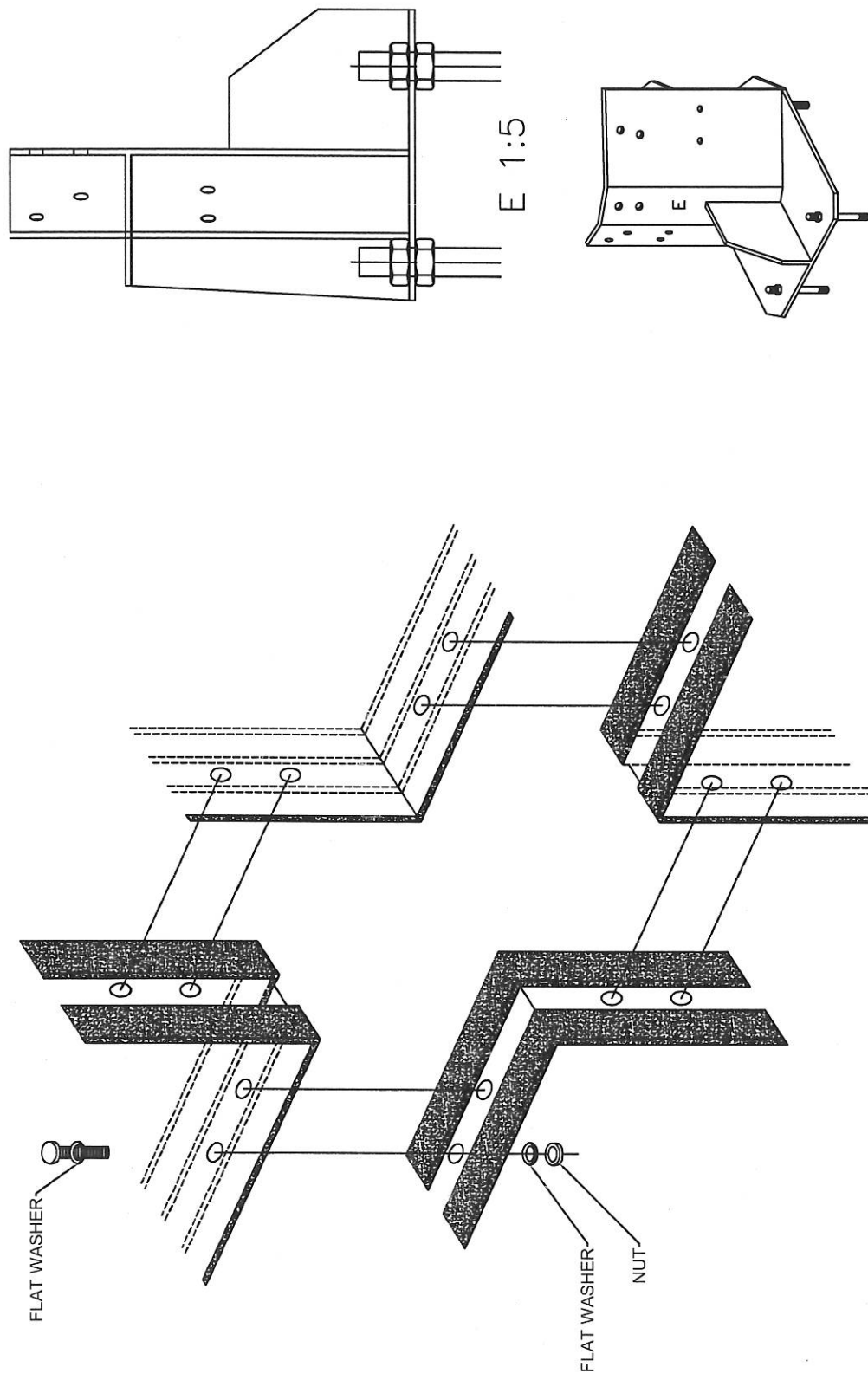


VIEW B

VIEW A

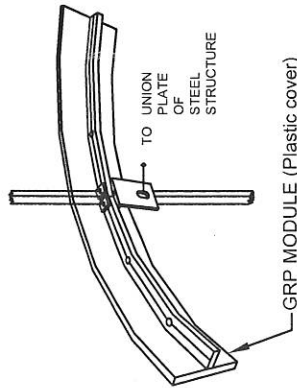
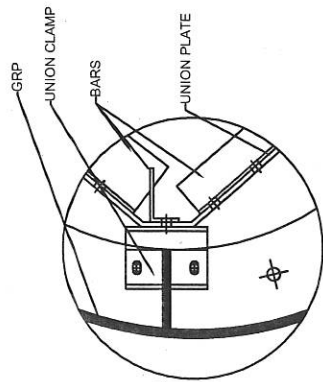
LANTERN SUPPORT

 PHILIPPINE COAST GUARD 152 20TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF 13 CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: CAMIGUIN SOUTH, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY CG CGCNO RAYNOR AGS PASCUAL Commanding Officer, CGIS	CHECKED BY CG ENS EDGARDO J. JORDAN Head, Project Performance and Evaluation	RECOMMENDED BY CG CDPRAY GARNET S. GAMALLO Deputy Commander, CGIS	APPROVED BY CG CAPT PRUDENCIO P. PATRICIO JR (GSC) Commander, CGIS		

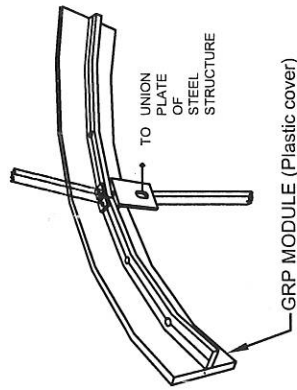
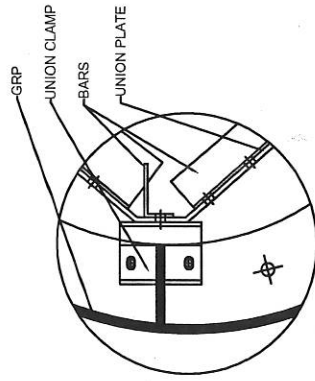


GRP SEALING PROCESS

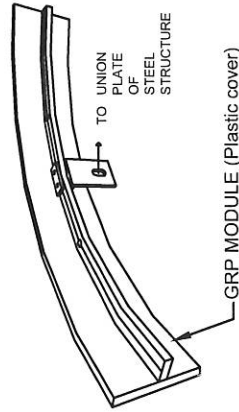
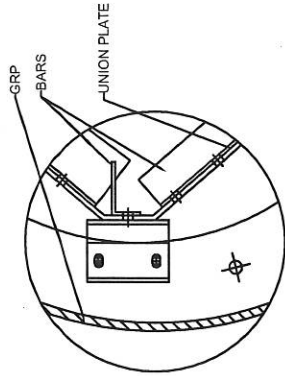
 PHILIPPINE COAST GUARD 150 SOUTH WEST POINT, NEWA, MALABO		PROJECT TITLE : CONSTRUCTION OF 13 CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. INAGULAN, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY: CG CCGNO-RAXNIO ABEPASCUAL Estimator/CAD Operator, CGIS		RECOMMENDED BY: CG CDR RAN GARNET OGAMALLO Deputy Commander, CGIS		APPROVED BY: CG CAPT PRUDENCIO C PATRICIO JR (GSC) Commander, CGIS	
CHECKED BY: CG ENS EDGARDO J. CORTES JR Head, Project Performance and Evaluation					
REVISION:		DATE:			
COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE					



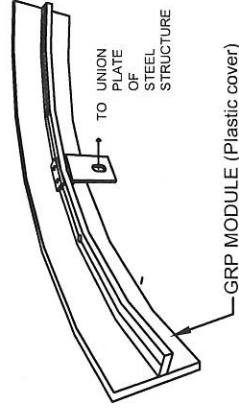
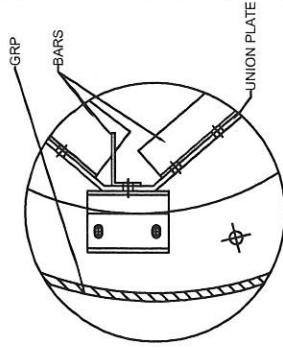
STRUCTURE DETAIL A



STRUCTURE DETAIL B



STRUCTURE DETAIL C

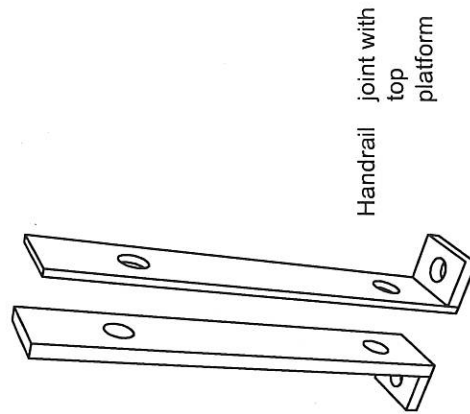
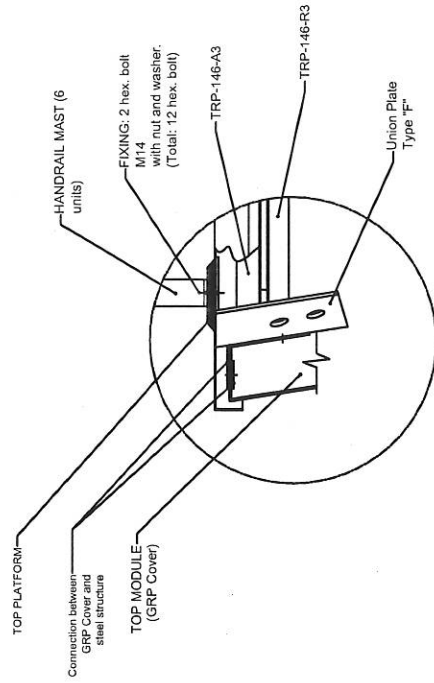
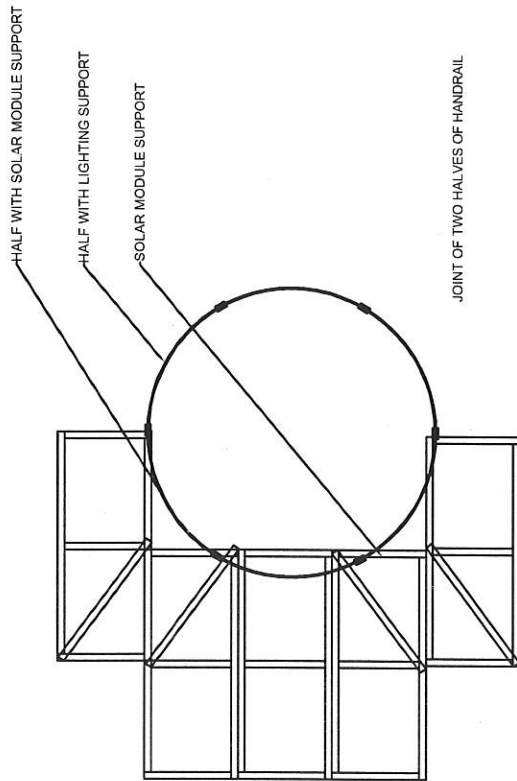


STRUCTURE DETAIL D

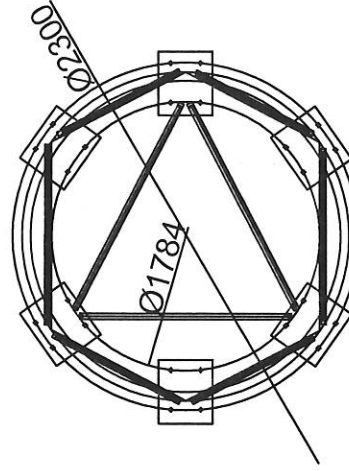
TOP VIEW
DETAIL

TOP VIEW
DETAIL

 PHILIPPINE COAST GUARD COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF 13 CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION : CAMIGUIN, CAGAYAN OWNER : PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY : CG CECILIO BALANZA ACE PASCUAL SENIOR CAD SPECIALIST, CGIS	CHECKED BY : <i>[Signature]</i> CG ENS EDUARDO J. CORTES Head, Project Performance and Evaluation	RECOMMENDED BY : <i>[Signature]</i> CG CDR RAY S. SAPIET & GAMALLO Deputy Commander, CGIS	APPROVED BY : <i>[Signature]</i> CG CAPT PRUDENCO C. PATRICIO JR (GSC) Commander, CGIS		
REVISION	DATE				



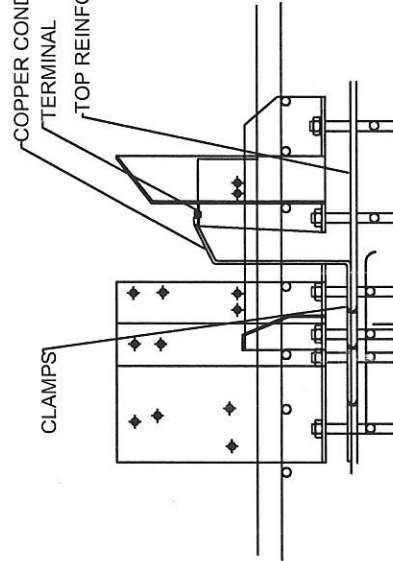
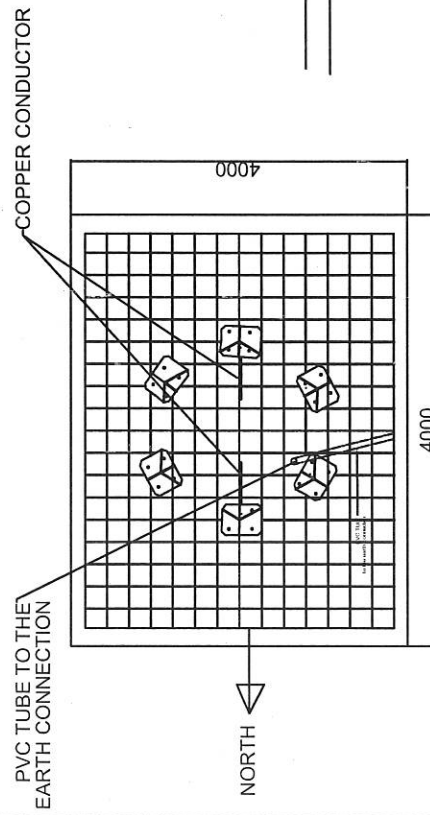
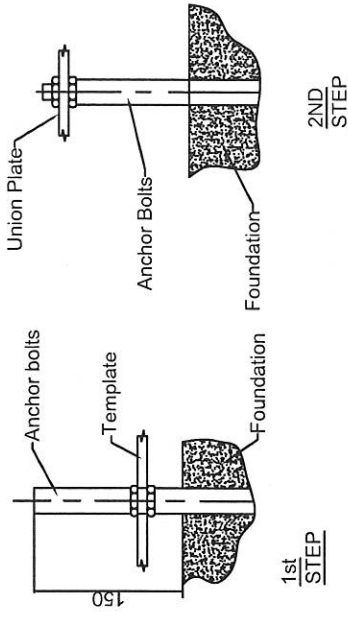
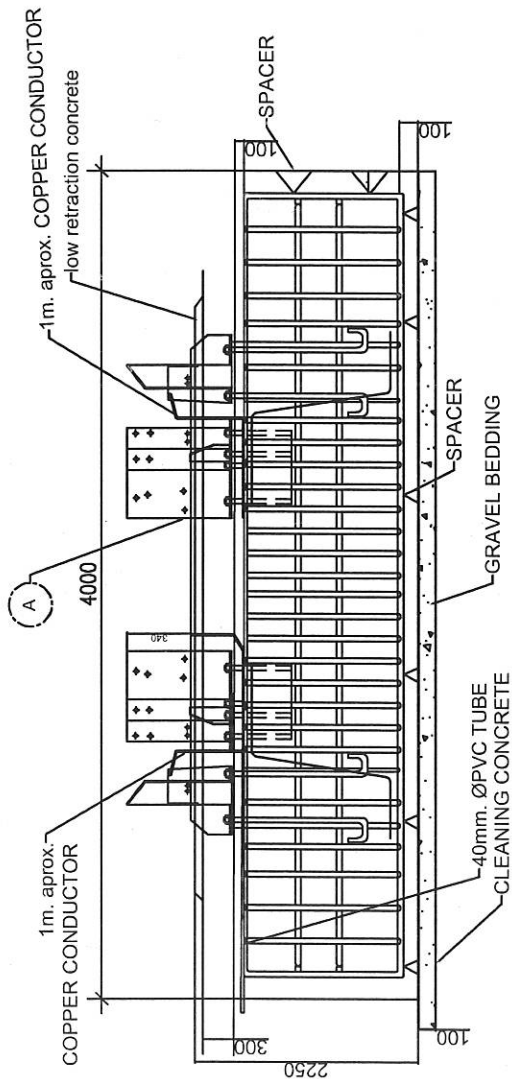
Joint of the two halves of handrail



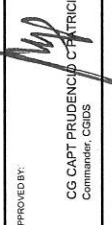
FOUNDATIONS

TEMPLATES

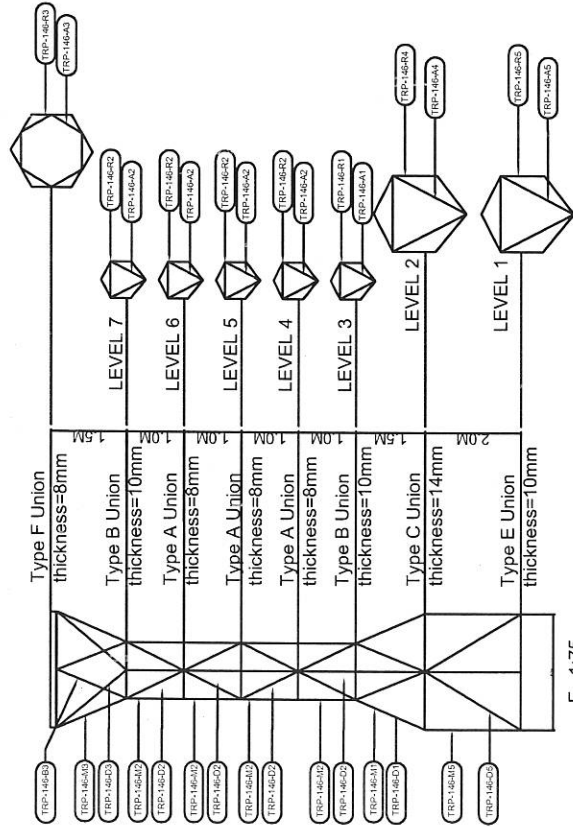
PHILIPPINE COAST GUARD 1400 SOUTH ST. PORT ANGELES CITY, CAGAYAN COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF 13 CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. NAGUILAN, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY: CG-6680 PAVANORACE PASCUAL Estimator/CAO Operator, CGIS		REVISION:		APPROVED BY: CG CAPT PRUDENIO C PATRICIO JR (GSC) Commander, CGIS	
CHECKED BY: CG ENRICO RAY GARNET GAMALLO Duty Commander, CGIS		RECOMMENDED BY: CG ENRICO RAY GARNET GAMALLO Duty Commander, CGIS		REVISION:	



FOUNDATION

 PHILIPPINE COAST GUARD COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF 13 CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. NAGULUAN, CULIYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY CG CECILIO RAYMOND ACE PASCUAL ESTABLISHMENT OFFICER, CGIS	CHECKED BY CG ENS FRANCISCO J. GARCIA Head, Project Performance and Evaluation	RECOMMENDED BY CG CAPT RAN GARNER C GAMALLO Deputy Commander, CGIS	APPROVED BY CG CAPT PRUDENCIO C. PATRICIO JR (GSC) Commander, CGIS		

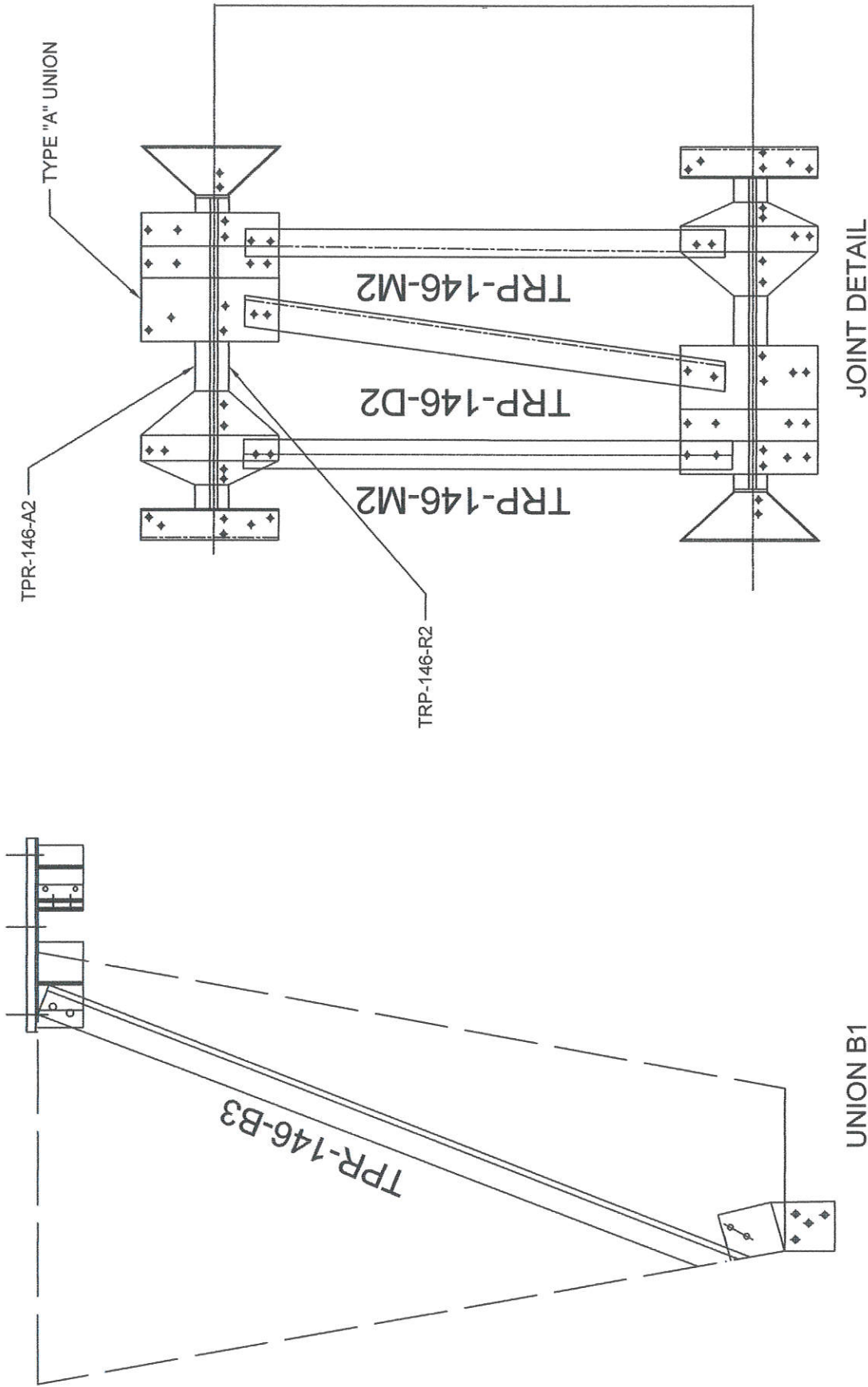
BARS



E 1:75

NAME	SHAPE	QUANTITY	BOLT SIZE	TORQUE(N.M)
TPR-146-R1	L60.5	6	M-16X35	210
TPR-146-A1	L60.5	3	M-16X35	210
TPR-146-M1	L70.6	6	M-20X40	410
TPR-146-D1	L70.6	6	M-20X40	410
TPR-146-R2	L60.5	24	M-16X35	210
TPR-146-A2	L60.5	12	M-16X35	210
TPR-146-M2	L60.5	24	M-16X35	210
TPR-146-D2	L60.5	24	M-16X35	210
TPR-146-R3	2L60.5(T)	6	M-16X35	210
TPR-146-A3	L60.5	6	M-16X35	210
TPR-146-M3	L60.5	6	M-16X35	210
TPR-146-D3	L60.5	6	M-16X35	210
TPR-146-B3	L60.5	3	M-16X40	210
TPR-146-R4	L60.5	12	M-16X35	210
TPR-146-A4	L60.5	6	M-16X35	210
TPR-146-M4	L90.8	6	M-24X45	710
TPR-146-D4	L80.8	6	M-24X45	710
TPR-146-R5	L60.5	6	M-16X35	210
TPR-146-A5	L60.5	3	M-16X35	210
TPR-146-M5	L100.8	6	M-24X45	710

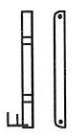
PHILIPPINE COAST GUARD NAACOMATES PHILIPPINE COAST GUARD COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LS CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION : BRGY. NAGUILAN, CALAYAN, CAGAYAN OWNER : PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY : CG CCNO-PAYNANCE PASCUAL Estimator/CAO Operator, CGUS		CHECKED BY : <i>[Signature]</i> CG ENS EDGARDO J. CORTES Head, Project Performance and Evaluation		APPROVED BY : <i>[Signature]</i> CG CAPT PRUDENZO C. PATRICIO JR (GSC) Commander, CGUS	



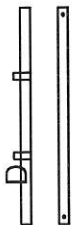
TOP PLATFORM CENTRAL SUPPORT

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 139 25TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LS CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. NAGUILAN, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY CG COCONO PAVINO, Ales Pascual Estimation/CAO Operator, CGIDS	CHECKED BY: 	RECOMMENDED BY: 	APPROVED BY: 	CG CAPT PRUDENCIO C PATRICIO JR (GSC) Commander, CGIDS	
REVISION	DATE				

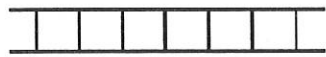
UNION



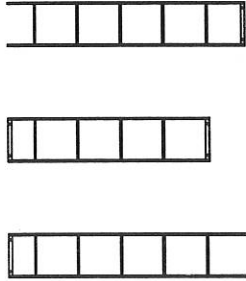
UNION



FLIGHT

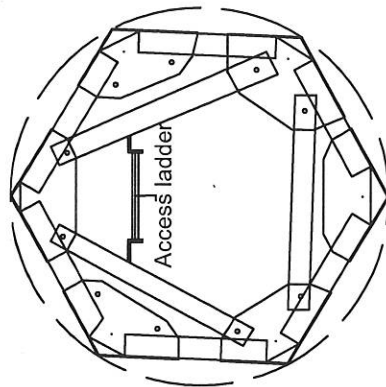


FLIGHT FLIGHTS 3 & 6 TRAMMO

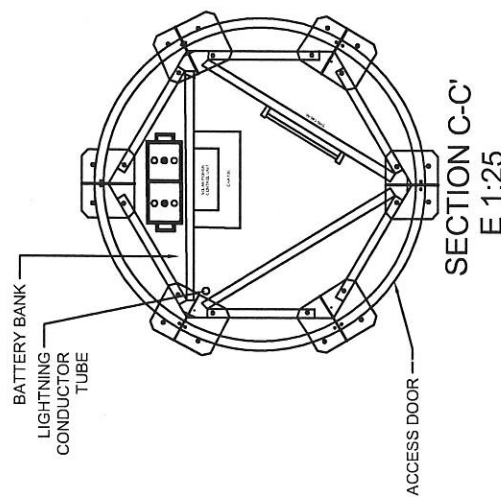


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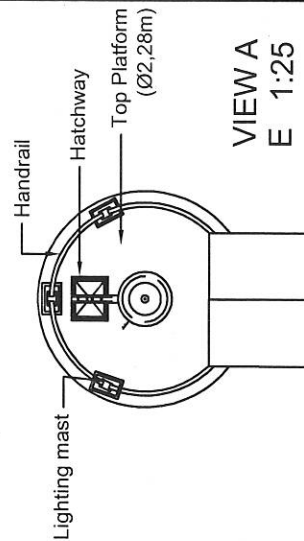
TOWER DESCRIPTION	DIMENSION
HEIGHT	15000mm
BASE DIAMETER	2000mm
TOWER DIAMETER	1200mm
FOUNDATION BOLT PCD	1850MM
NUMBER OF MODULES/SECTIONS	12



SECTION B-B'
E 1:15

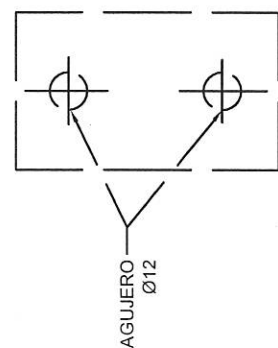
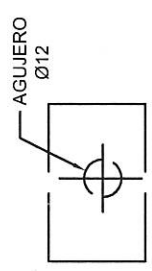
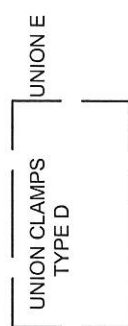
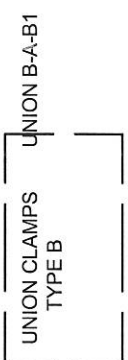
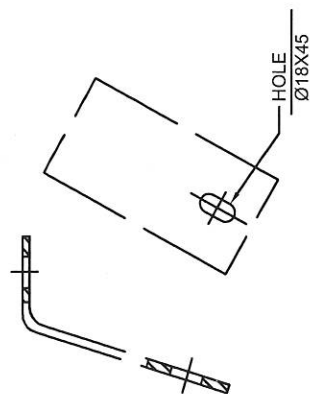
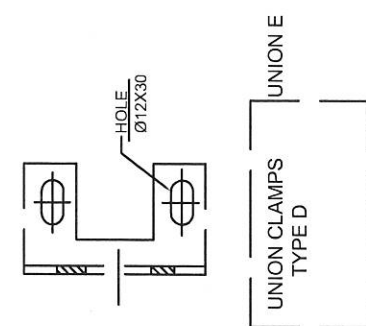
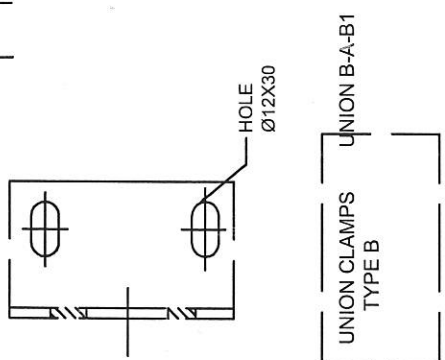
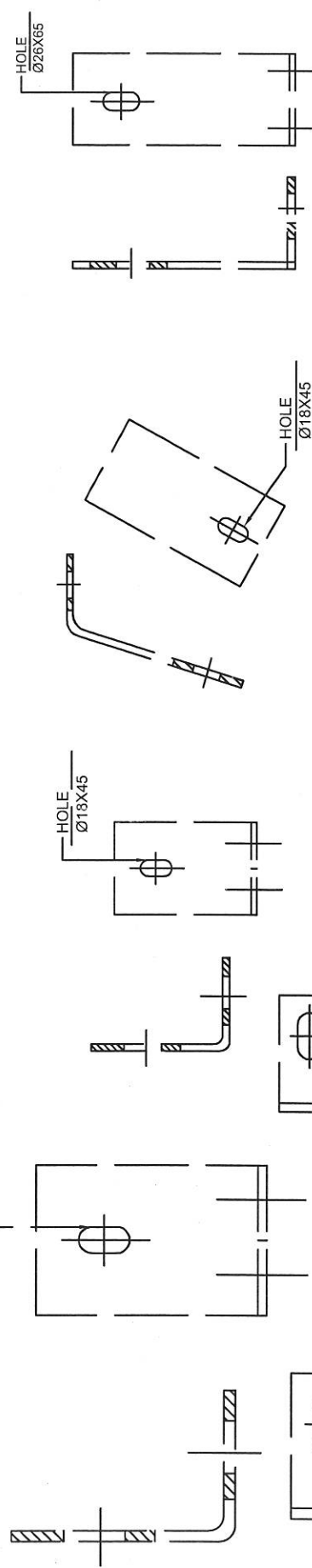


SECTION C-C'
E 1:25



VIEW A
E 1:25

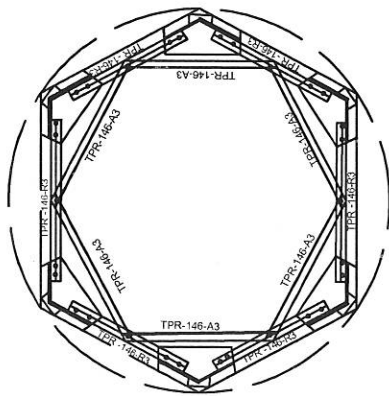
 PHILIPPINE COAST GUARD NONCOMMUNIST PHILIPPINE COAST GUARD 150 26TH ST. PORT ANSILA MANILA COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE	PROJECT TITLE : CONSTRUCTION OF 15 CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: BRIGIDA, CAMIGUIN, CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
	PREPARED BY: <i>[Signature]</i> CG CCGNO RAYNORACE PASCUAL Estimator/CAD Operator, CGIDS		RECOMMENDED BY: <i>[Signature]</i> CG CDR RAY GABRIEL GAMALLO CGIDS	
	DATE:		APPROVED BY: <i>[Signature]</i> CG CAPT PRUDENCIO C PATRICIO JR (GSC) Commander, CGIDS	
	REVISION		CG ENS EDUARDO J CORTEZ Dputy Commander and Evaluation Head, Project Performance and Evaluation	



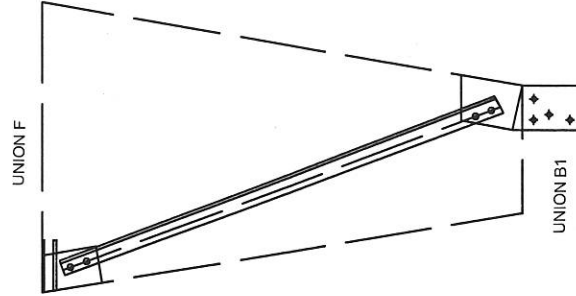
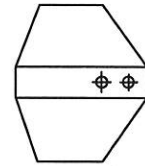
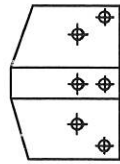
GRP- UNION STRUCTURAL CLAMPS(A-B-C-D)

UNION PLATES

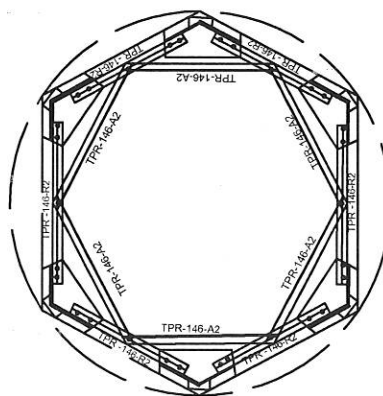
 PHILIPPINE COAST GUARD NAOAMANTERIS PHILIPPINE COAST GUARD 150 25TH ST. FORT ANGELO MANILA		PROJECT TITLE : CONSTRUCTION OF LS CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION : BRGY. MACULAN, CALAYAN, CAGAYAN OWNER : PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY : CG-CCNO RAYNOR ACE PASCUAL Estimator/CAO Operator, CGIS REVISION :		CHECKED BY : CG-ENS EDUARDO J. CORTIZ Head, Project Performance and Evaluation		APPROVED BY : CG-CAPT PRUDENCIO C. PATRICIO JR (GSC) Commander, CGIS	



UNION F



UNION B1



PHILIPPINE COAST GUARD
COAST GUARD INFRASTRUCTURE
DEVELOPMENT SERVICE

PROJECT TITLE : CONSTRUCTION OF LS CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY

LOCATION : BRGY. MACULAN, CALAYAN, CAGAYAN

OWNER : PHILIPPINE COAST GUARD

PREPARED BY : CESAR RAYMOND PASCUAL
Estimator/CO. Operator, CGIS

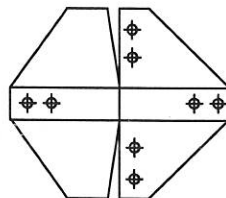
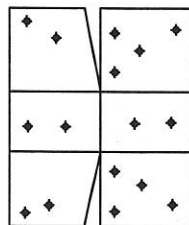
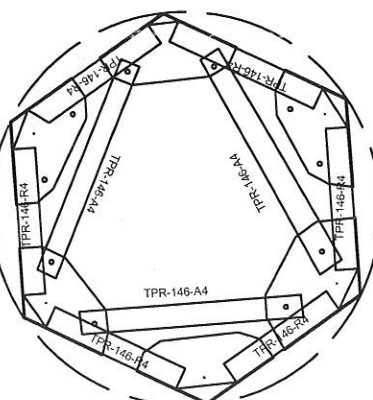
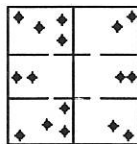
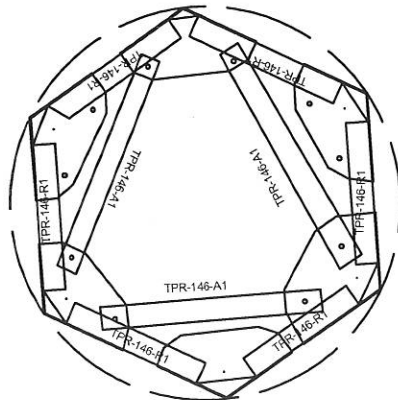
CHECKED BY : *[Signature]*
CG ENS EDUARDO J. CORTES
Head, Project Performance and Evaluation

RECOMMENDED BY : *[Signature]*
CG CAPT RAN GABRIEL GAMALLO
Deputy Commander, CGIS

APPROVED BY : *[Signature]*
CG CAPT PRUDENCIO C. PATRICIO JR. (GSC)
Commander, CGIS

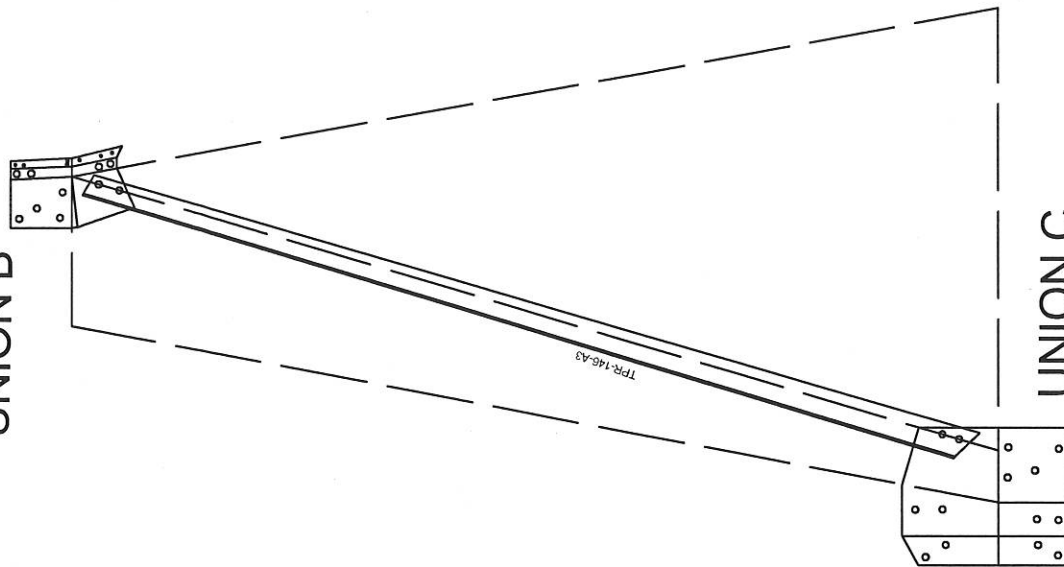
SHEET NO.

UNION B



UNION C

UNION B

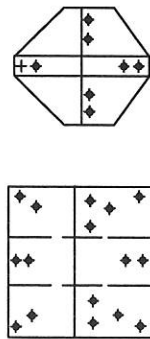
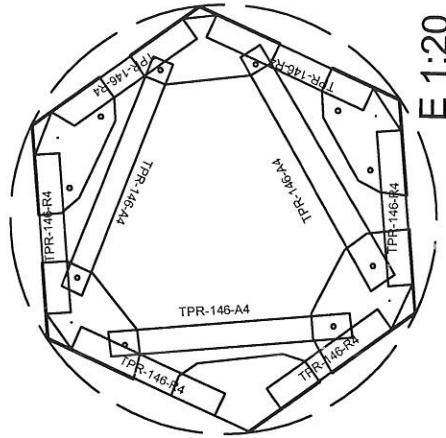
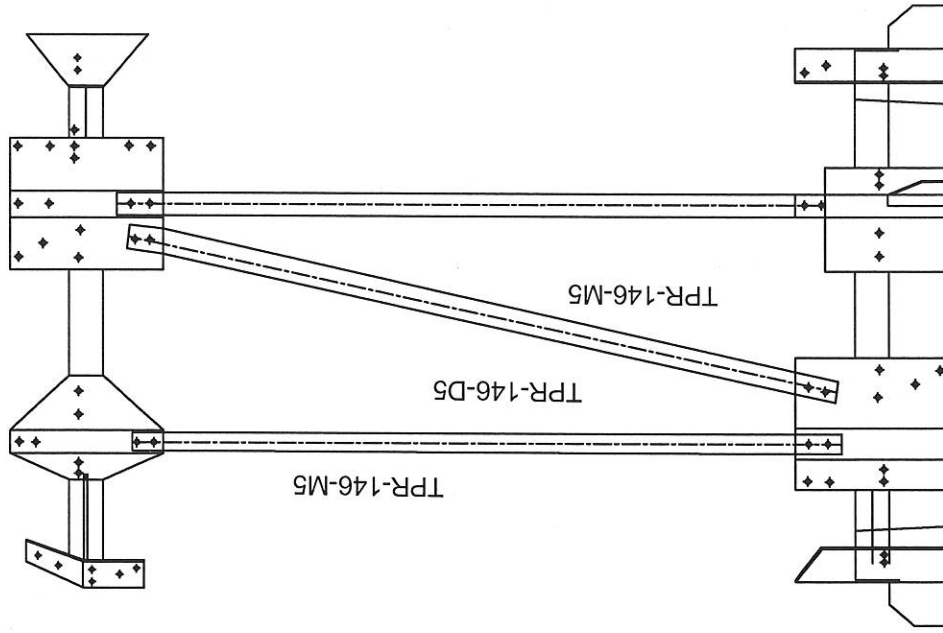


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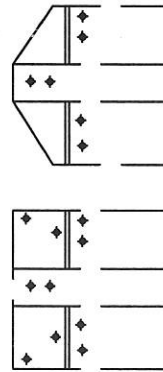
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 PHILIPPINE COAST GUARD COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF 15 CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION : BRGY. MACULAN, CALAYAN, CAGAYAN OWNER : PHILIPPINE COAST GUARD		SHEET NO.
PREPARED BY : <i>[Signature]</i> CG CDR RAY GARNET C GAMALLO Estimator/CD Operator, CGIS	CHECKED BY : <i>[Signature]</i> CG ENS BERNARDO TORRES Head, Project Performance and Evaluation	RECOMMENDED BY : <i>[Signature]</i> CG CAPT PRUDENCIO C PATRICIO JR (GSC) Commander, CGIS	APPROVED BY : <i>[Signature]</i>	
REVISION : _____	DATE : _____			

CONE TRUNCATED MODULE-1

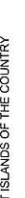


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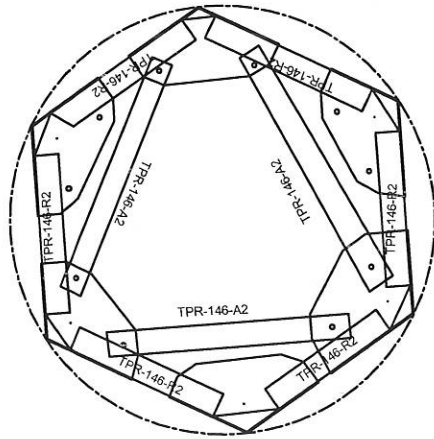


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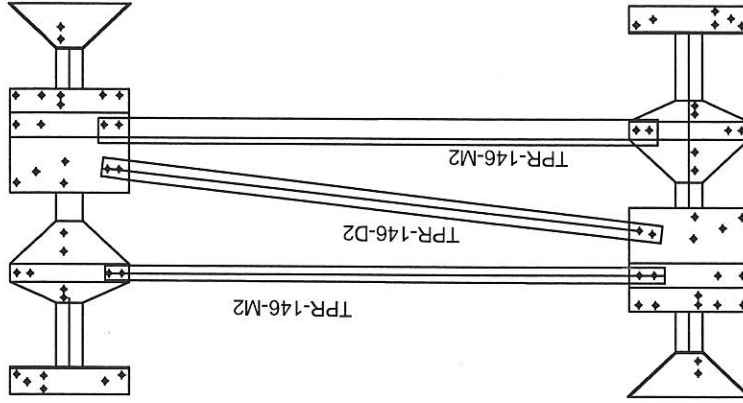


 PHILIPPINE COAST GUARD NON-DEPARTMENTAL PHILIPPINE COAST GUARD 1600 EASTERN AVENUE, MANILA COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE	PROJECT TITLE : CONSTRUCTION OF LS CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY		SHEET NO.												
	LOCATION: BRGY. MAGULIN, CALAYAN, CAGAYAN PHILIPPINE COAST GUARD		APPROVED BY:  CG CAPT PRUDENCIO C. PATRICIO, JR (GSC) Commander, CGIS												
	PREPARED BY:  CG CENRO RAYMOND P. PASCUAL Estimator/CAO Operator, CGIS		RECOMMENDED BY:  CG CDR IVAN G. GAMALLO Deputy Commander, CGIS												
	REVISION: <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	DESCRIPTION										CHECKED BY:  CG ENS EFRARDO C. CORTES Head, Project Performance and Evaluation
NO.	DATE	DESCRIPTION													

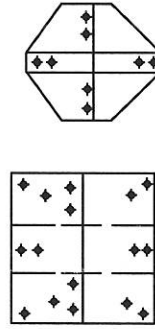
CENTRAL MODULES



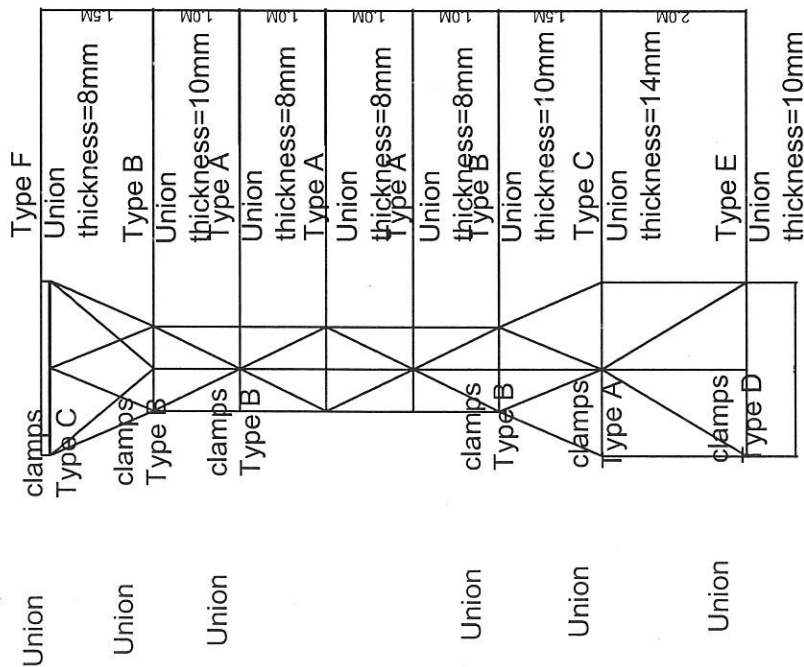
UNION A



UNION A

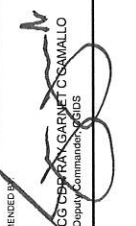
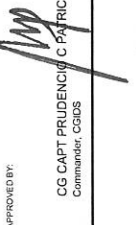


 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 139 25TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF 13 CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION : BRGY. NAGULAN, CALAYAN, CAGAYAN OWNER : PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY : CG CECILIO RAYNOR ABET PASCUAL Estimator/CAD Operator, CGIDS	CHECKED BY : <i>[Signature]</i>	RECOMMENDED BY : CG CORREY CARNEY COMALLO Deputy Commander, CGIDS	APPROVED BY : <i>[Signature]</i> CG CAPT PRUDENCIO C. PATRICIO JR (GSC) Commander, CGIDS	DATE	



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UNION PLATES

 PHILIPPINE COAST GUARD 1430 15TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF 15 CAMIGUIN SOUTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. JACULAN, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY CG CENSO SANCHEZ PASCUAL Estimator/CAD Operator, CGOS	CHECKED BY  CG ENS EDGARDO CORTES Head, Project Performance and Evaluation	RECOMMENDED BY  CG CAPTAN GARNET C SAMALLO Deputy Commander, CGOS	APPROVED BY  CG CAPT PRUDENCIO C PATRICIO JR (GSC) Commander, CGOS		