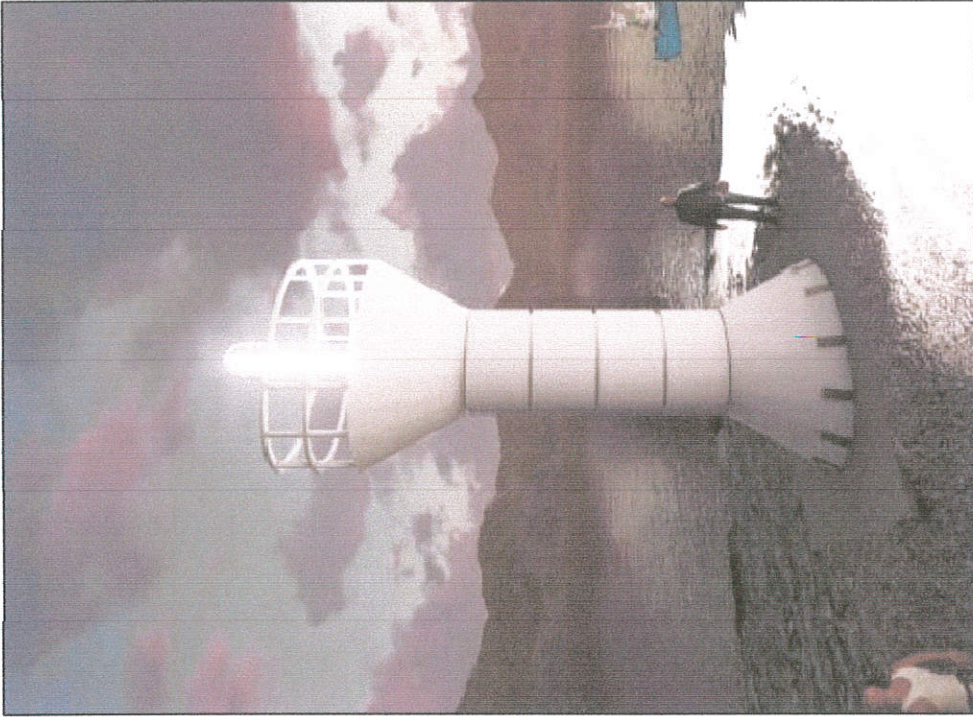
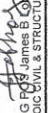




SITE DEVELOPMENT PLAN

PERSPECTIVE

		PHILIPPINE COAST GUARD 1500 QUINCY DRIVE, PLEASANT HARBOR, CALIFORNIA 94567		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. MIRABEL, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY CG PS James B. Comboy POIC CIVIL & STRUCTURAL BRANCH	REVISION DATE	CHECKED BY 	RECOMMENDED BY  CG CAPT RAY GARNETT GAMALLO Deputy Commander, CGIDS	APPROVED BY  CG CAPT PRUDENTINO PATRICIO JR. (GSC) Commander, CGIDS			

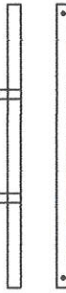


 PHILIPPINE COAST GUARD REGULATORS PHILIPPINE COAST GUARD 100 SOUTH PORT ARAN, MANILA COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE	PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY		SHEET NO.	
	LOCATION : BRGY. MINABEL, CALAYAN/CAGAYAN PHILIPPINE COAST GUARD		APPROVED BY: CG CAPT PRUDENCIO C. PATRICIO JR (SSC) Commander, CGIDS	
	PREPARED BY CG P03 James B. Libby POIC CIVIL & STRUCTURAL BRANCH		RECOMMENDED BY: CG CAPT GABRIEL G. GAMALLO Deputy Commander, CGIDS	
	REVISION	DATE	CHECKED BY: CG EUS EDUARDO J. CORTES Head, Project Performance and Evaluation	

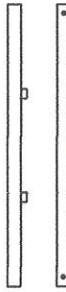
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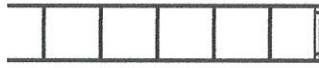
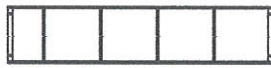
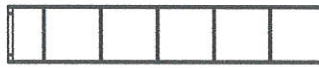
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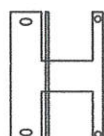
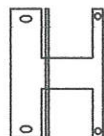
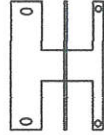
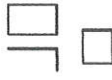
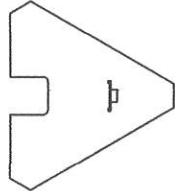
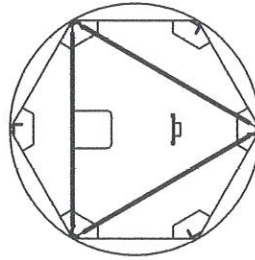
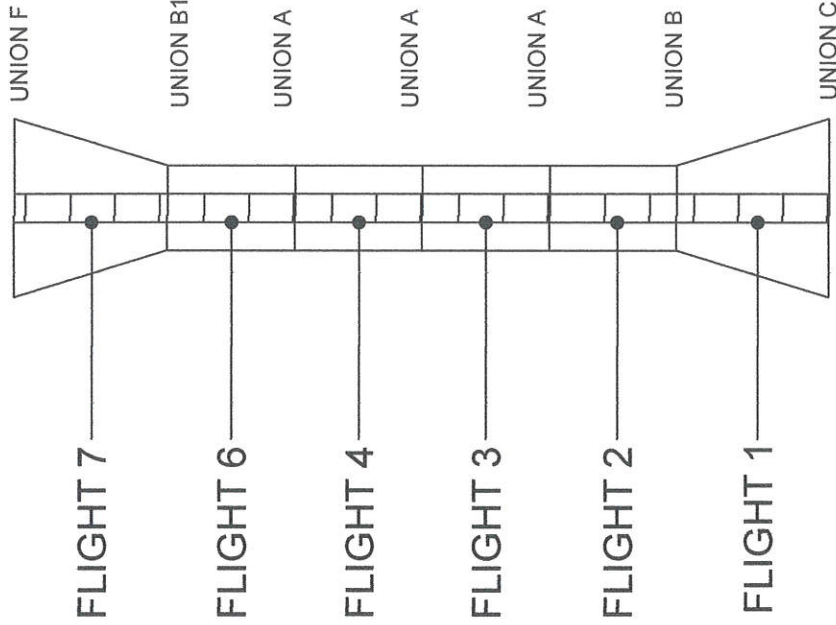
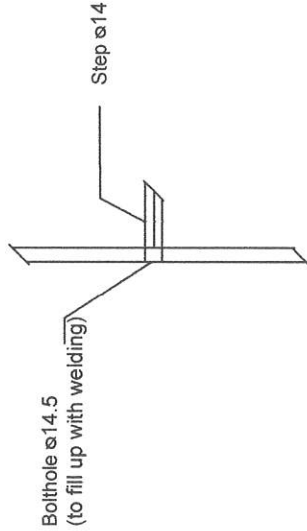
UNION C



FLIGHT 1 FLIGHT 2-6 TRAMO 7



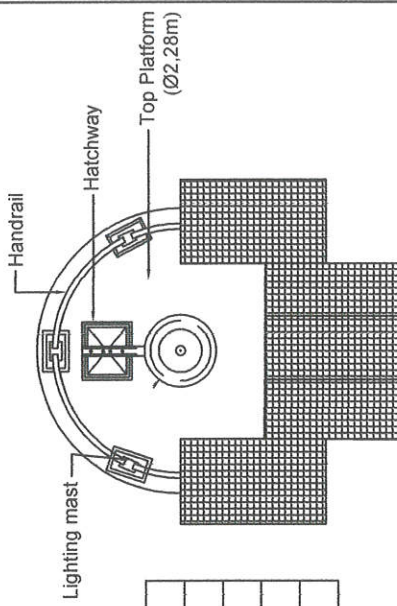
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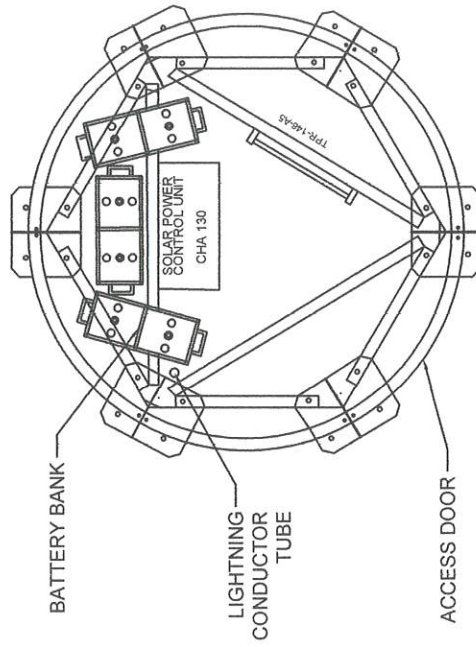
INTERNAL LADDER

NTS

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 138 SOUTH ST. PORT AREA, MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY	SHEET NO.
LOCATION : BRGY. MINABEL, CALAYAN, CAGAYAN	OWNER : PHILIPPINE COAST GUARD	PREPARED BY : CG P/O3 James B. Conroy	POIC CIVIL & STRUCTURAL BRANCH	DATE	APPROVED BY : CG CAPT PRUDENCIO PATRICIO JR (GSC) Commanding, CGDS
REVISION	DATE	CHECKED BY : CG ENS RODOLFO ROSA, Jr. Head, Physical Infrastructure and Evaluation	RECOMMENDED BY : CG CAPT RAY GABRIEL C. GAMALLO Deputy Commanding, CGDS	APPROVED BY : CG CAPT PRUDENCIO PATRICIO JR (GSC) Commanding, CGDS	DATE



SECTION B-B'



SECTION C-C'

PHILIPPINE COAST GUARD

COAST GUARD INFRASTRUCTURE
DEVELOPMENT SERVICE

PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHT HOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY

LOCATION: BRGY. MURIEL, CALABUZOG, CAGAYAN

PREPARED BY	CG #03 James Blalock	DATE
	POIC CIVIL & STRUCTURAL BRANCH	

CGENSED BARBO JORIEZ
Head, Project Performance and Evaluation

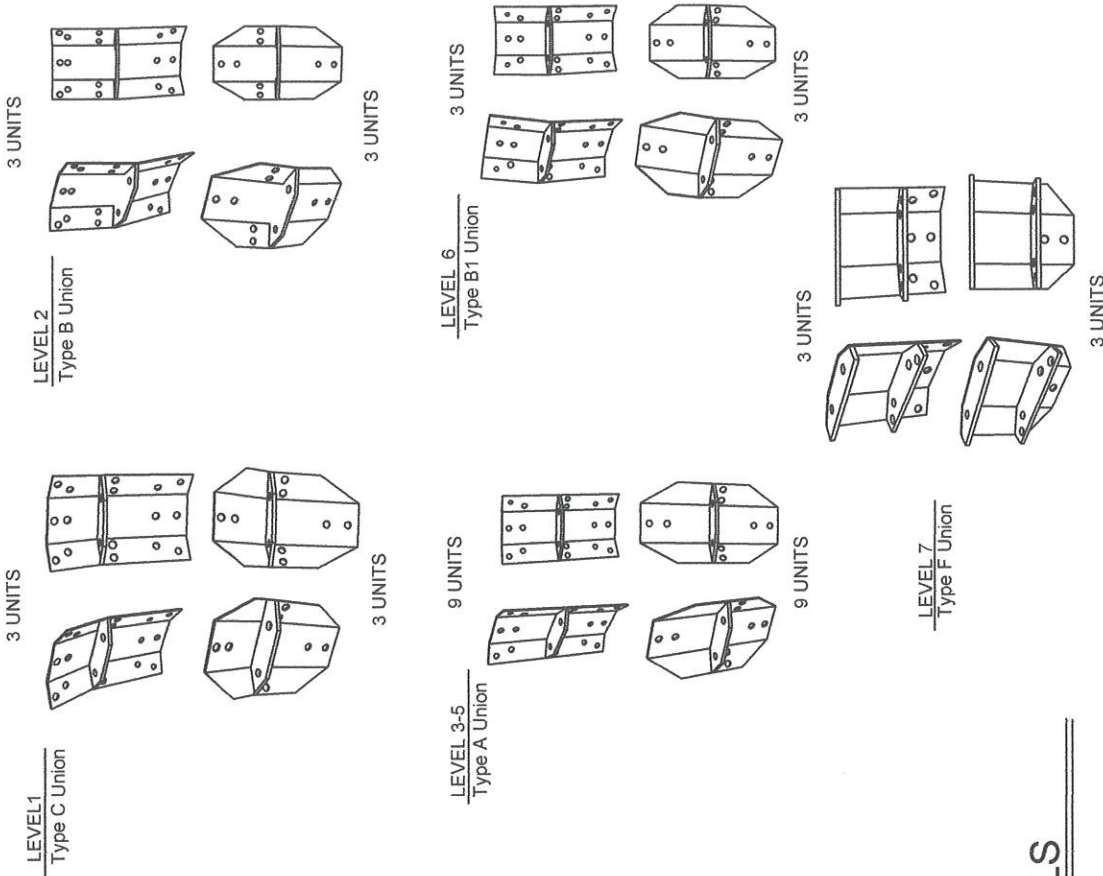
CG CDR RAY GARNETT CGAMALLO
Deputy Commander, 22015

APPROVED BY: 

CG CAPT PRUDENCIO C PATRICIO JR (GSC)
Commander, CGIDS

SHEET NO.

Union clamps Type C	Type F union thickness=8mm	LEVEL 7
Union clamps Type B	Type B1 union thickness=10mm	LEVEL 6
Union clamps Type B	Type A union thickness=8mm	LEVEL 5
Union clamps Type B	Type A union thickness=8mm	LEVEL 4
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Union clamps Type A	Type C union thickness=14mm	LEVEL 1

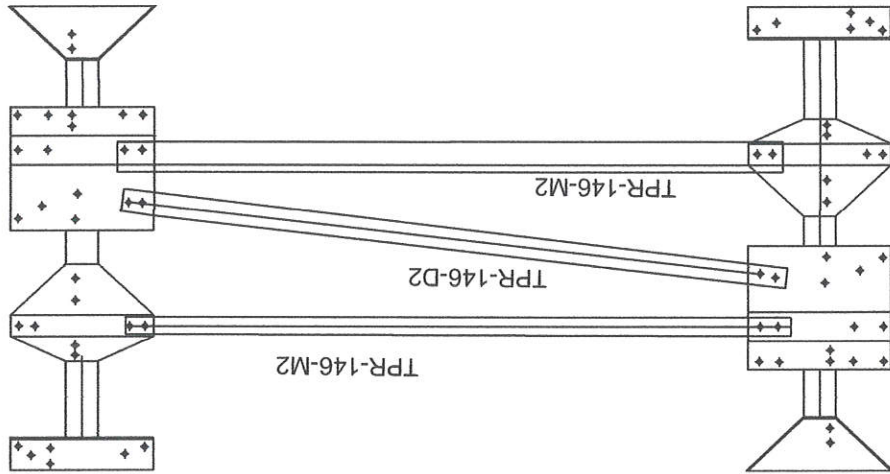


UNION PLATES DETAILS

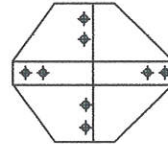
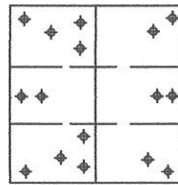
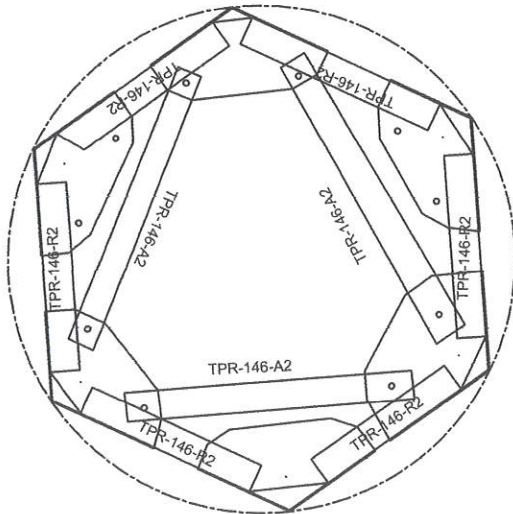
NTS

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 138 SOUTH PORT AND MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY LOCATION : BRGY. MINABEL, CALAYAN CAGAYAN OWNER : PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY : <i>James B. Bichay</i> CG CGS James B. Bichay POIC CIVIL & STRUCTURAL BRANCH	REVISION : DATE :	CHECKED BY : <i>James B. Bichay</i> CG CAPT PRUDENCIO C. MATRICO JR (GSC) Commander, CGDS	APPROVED BY : <i>James B. Bichay</i> CG CAPT PRUDENCIO C. MATRICO JR (GSC) Commander, CGDS		

UNION A



UNION A

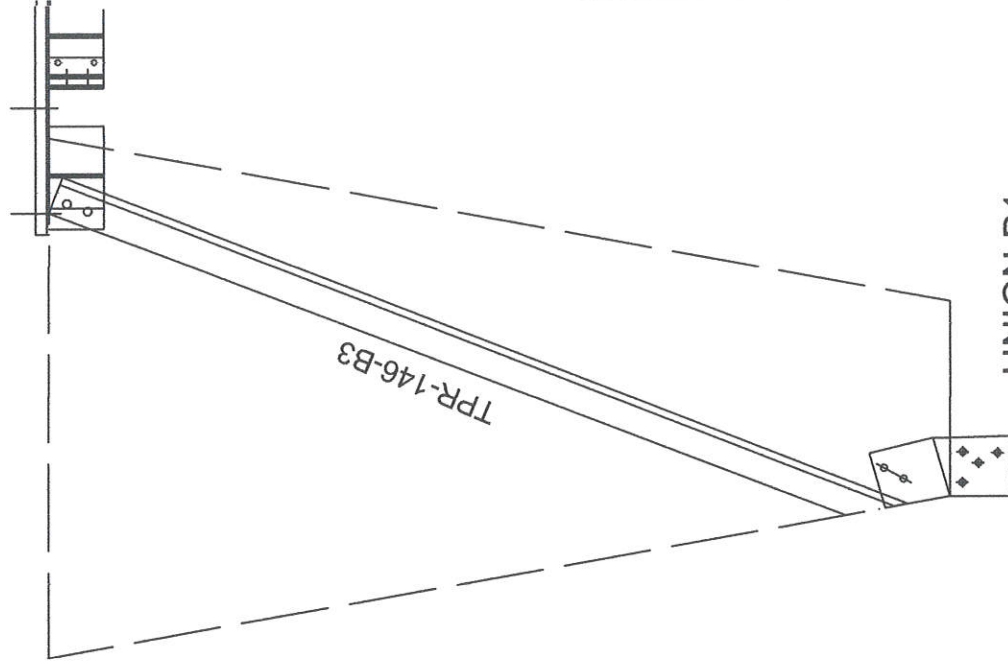


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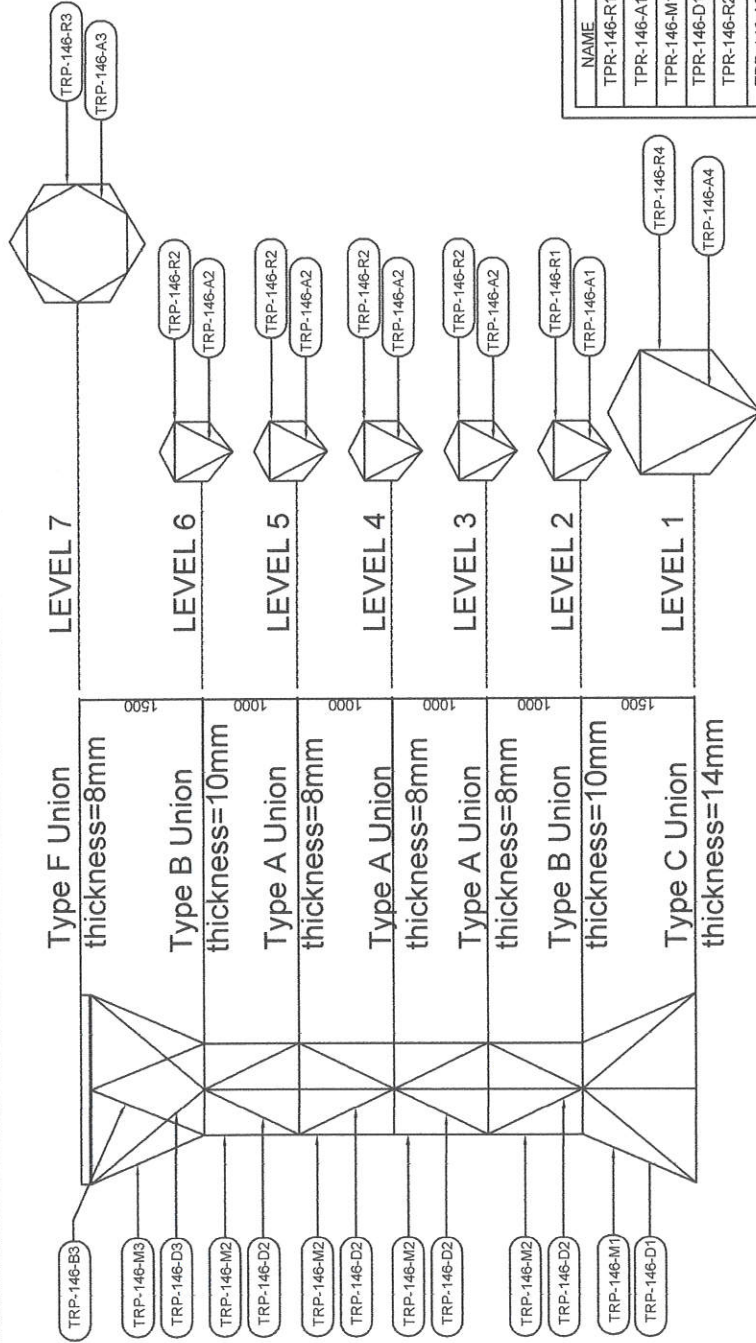
CENTRAL MODULES

TOP PLATFORM
CENTRAL SUPPORT

UNION B1



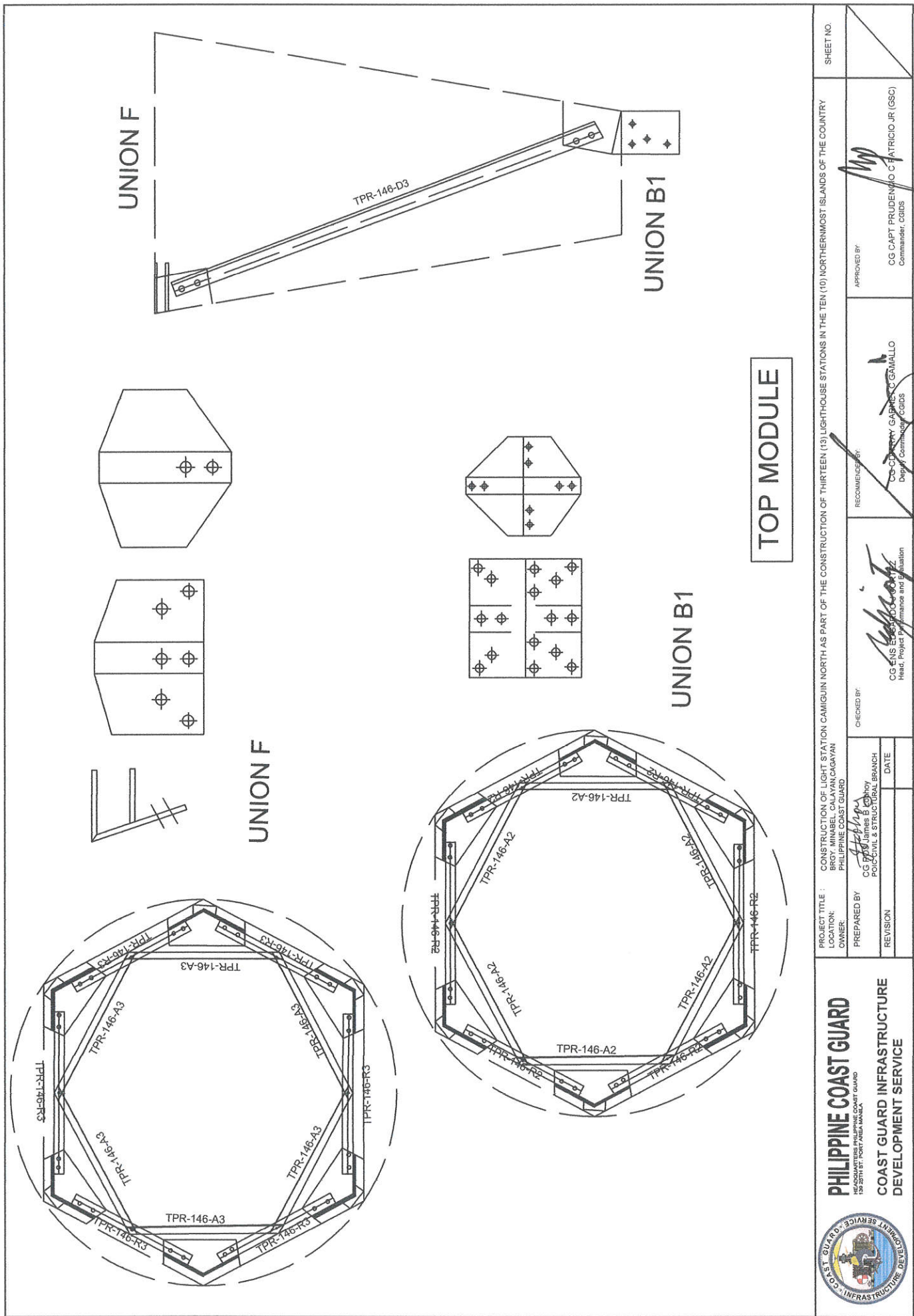
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COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE	
PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY			
LOCATION: BRGY. MINABEL, CALAYAN, CAGAYAN			
OWNER: PHILIPPINE COAST GUARD			
PREPARED BY: CG 003 James B. Lachoy		REVISION:	
POIC CIVIL & STRUCTURAL BRANCH		DATE:	
CHECKED BY: CG ENS EDGARDO B. RIZ		RECOMMENDED BY: CG CD RAN GABRIEL C. GAMALLO	
Head, Project Performance and Evaluation		Deputy Commander, CGUS	
APPROVED BY: CG CAPT PRUDENSO C. PATRICIO JR. (GSC)		Commander, CGUS	
SHEET NO.		SHEET NO.	



BARS DETAILS
NTS

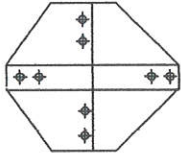
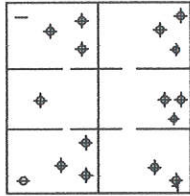
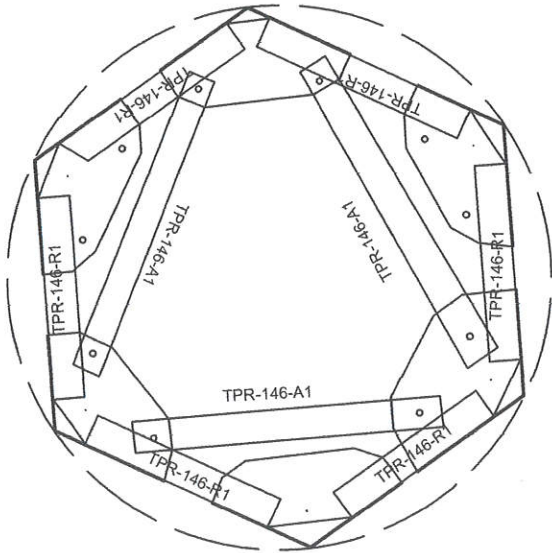
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TPR-146-M1	L70.6	6	M-20X40	410
TPR-146-D1	L70.6	6	M-20X40	410
TPR-146-R2	L60.5	24	M-16X35	210
TPR-146-A2	L60.5	12	M-16X35	210
TPR-146-M2	L60.5	24	M-16X35	210
TPR-146-D2	L60.5	24	M-16X35	210
TPR-146-R3	2L60.5(T)	6	M-16X35	210
TPR-146-A3	L60.5	6	M-16X35	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

PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 100 SENI ST. PORT MANDALAY		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY	SHEET NO.
LOCATION: BRIGHTENED LIGHT STATION CAMIGUIN NORTH PHILIPPINE COAST GUARD	OWNER: PHILIPPINE COAST GUARD	PREPARED BY: CG James B. Babbay POIC CIVIL & STRUCTURE BRANCH	DATE:	CHECKED BY: 	RECOMMENDED BY:
APPROVED BY: 				CG CAPT PRUDENCIO C. PATRICIO JR. (SC) Commander, CGDS	

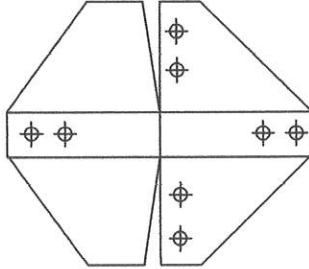
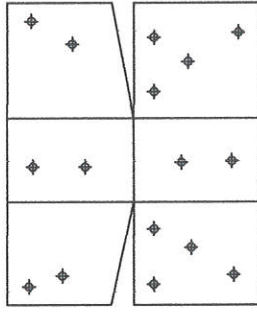
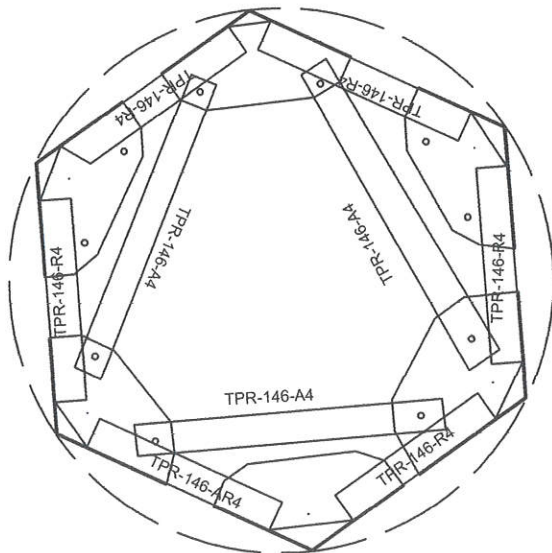


TOP MODULE

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 138 SOUTH ST. PORT JENIA MANILA				COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE				PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY		SHEET NO.	
OWNER : BRGY. MINABEL, CALAYAN CAGAYAN PHILIPPINE COAST GUARD				REVISION				CHECKED BY : <i>[Signature]</i> CG ASST. SEC. James B. Bantoy Head, Project Performance and Evaluation		APPROVED BY : <i>[Signature]</i> CG CAPT. PRUDENCIO C. PATRICIO JR (GSC) Commander, CGIDS	
PREPARED BY : <i>[Signature]</i> CG POIC-CIVIL & STRUCTURAL BRANCH				RECOMMENDATION : <i>[Signature]</i> CG CAPT. GABRIEL C. GAMALLO Deputy Commander, CGIDS				DATE		DATE	



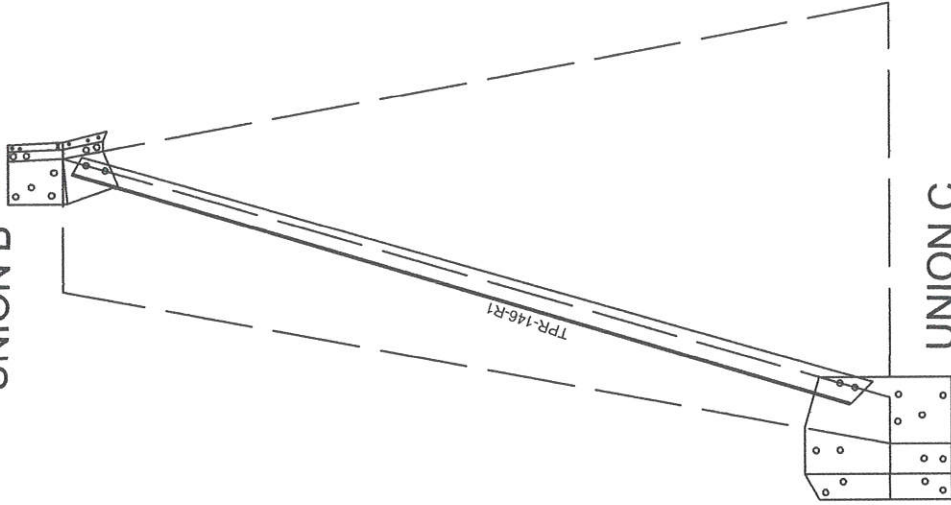
UNION B



UNION C

CONE TRUNCATED
MODULE-2

UNION B



UNION C

PHILIPPINE COAST GUARD
HEADQUARTERS PHILIPPINE COAST GUARD
135 BIRTH ST. PORT AREA NAKEL



**COAST GUARD INFRASTRUCTURE
DEVELOPMENT SERVICE**

PROJECT TITLE :

CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY

LOCATION :

BRGY. MINABEL, GALAYAN, CAGAYAN
PHILIPPINE COAST GUARD

OWNER :

PREPARED BY :

CG PO James B. Badoy
POIC CIVIL & STRUCTURAL BRANCH

REVISION :

DATE :

CHECKED BY :

CG-NS Engr. JOYCE TORRES
Head, Project Performance and Evaluation

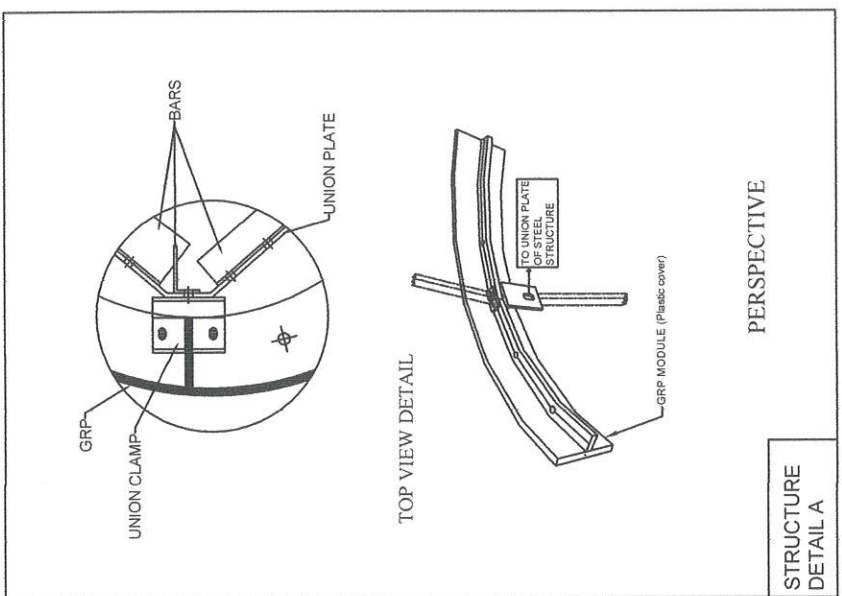
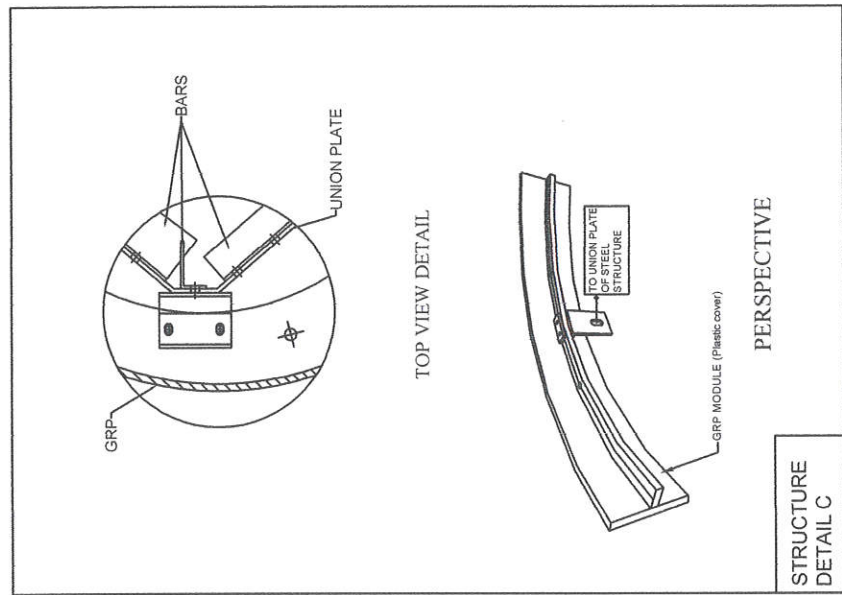
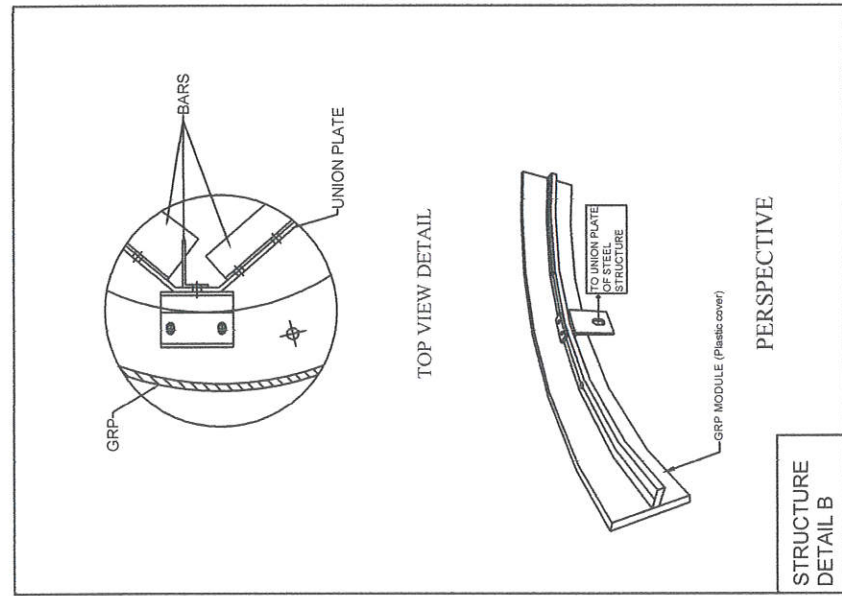
RECOMMENDED BY :

CG-PRAY GARNET C. GAMALLO
Deputy Commander, CGIDS

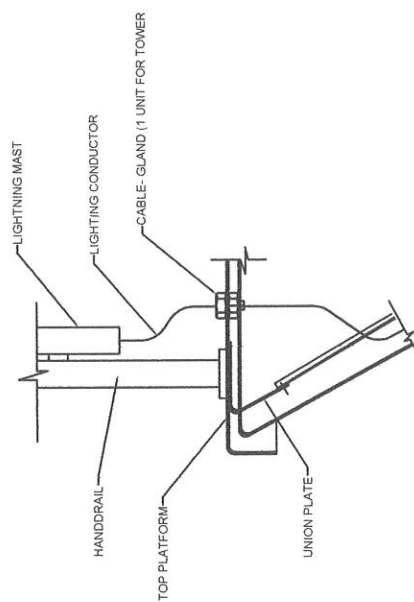
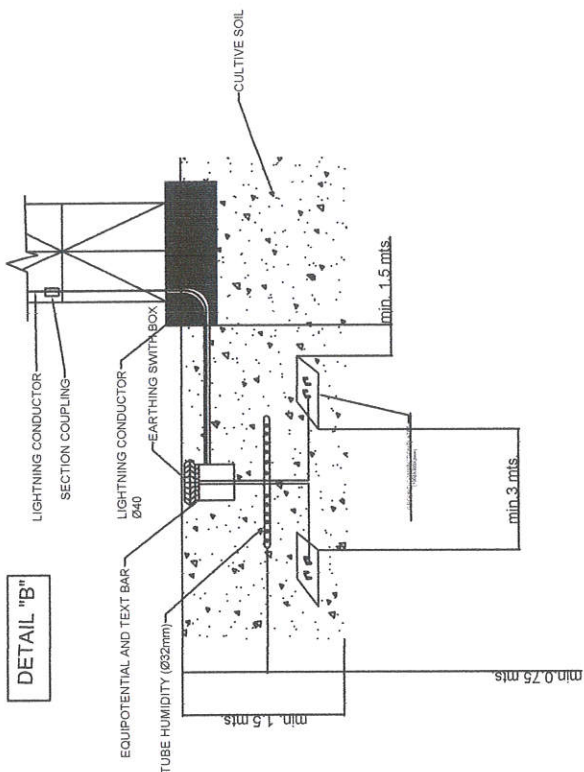
APPROVED BY :

CG CAPT PRUDENCIO C. PATRICIO JR. (SSC)
Commander, CGIDS

SHEET NO.



 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 138 SOUTH BAY, PORT AND WAREHOUSE		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. MINABEL, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY CG PO James B. [Signature] POIC CIVIL & STRUCTURAL BRANCH	REVISION	CHECKED BY [Signature] CG ENS EDGARDO C. [Signature] Head, Project Performance and Evaluation	RECOMMENDED BY [Signature] CG CAPT AN GABRIEL C. GAMALLO Deputy Commander, CGDS	APPROVED BY [Signature] CG CAPT PRUDENCIO C. PATRICIO JR. (GSC) Commander, CGDS	DATE

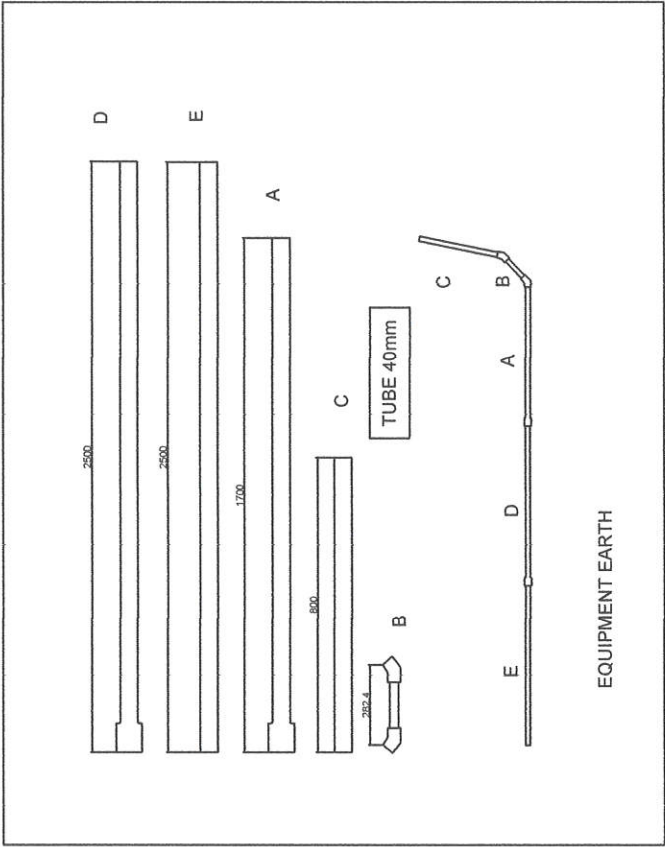
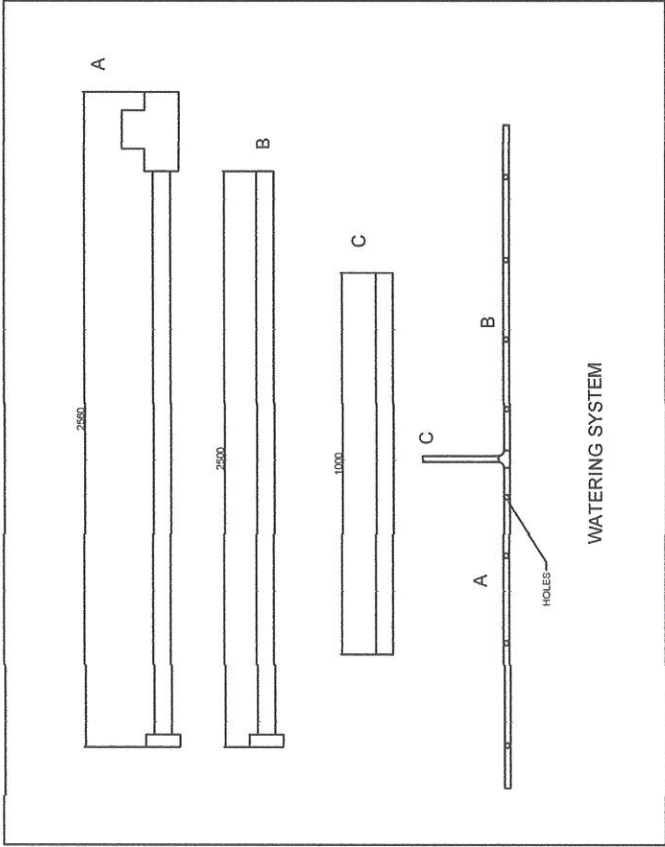


DETAIL "A"

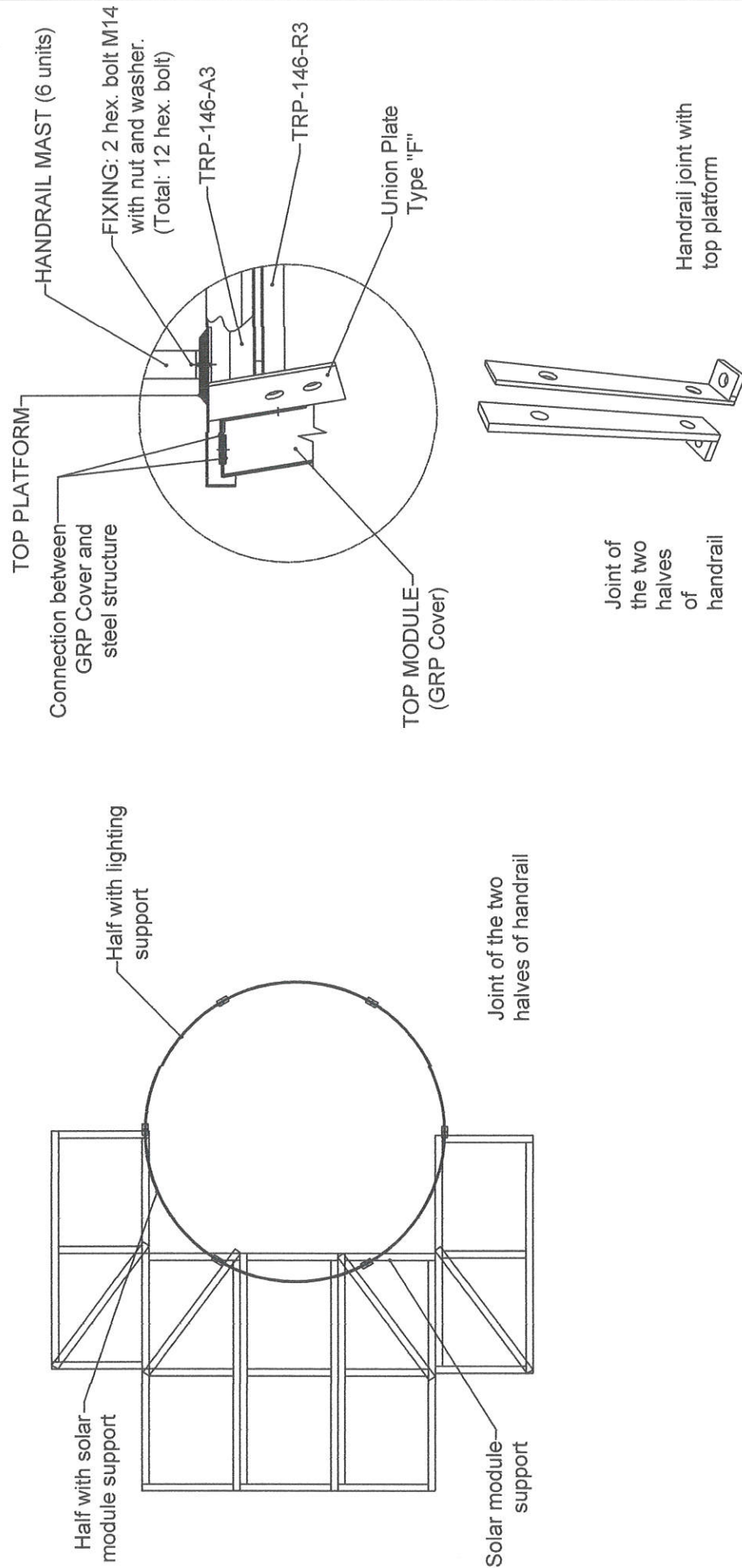
GROUNDING PROTECTION SYSTEM

NTS

 PHILIPPINE COAST GUARD HEADQUARTERS IN PHILIPPINE COAST GUARD 135 25TH ST. PORT ASERAN, MANILA	PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION : BRGY. MINABEL, CALAYAN CAGAYAN OWNER : PHILIPPINE COAST GUARD		RECOMMENDED BY : <i>[Signature]</i> CG CDR RAY SAGNET C RAMALLO Deputy Commander, 10 CGS	APPROVED BY : <i>[Signature]</i> CG CAPT PRUDENCIO PATRICIO JR (GSC) Commander, 10 CGS	SHEET NO.
	PREPARED BY : <i>[Signature]</i> CG POC Mañares B. Tedy POIC CIVIL & STRUCTURAL BRANCH	CHECKED BY : <i>[Signature]</i> CG ENS EDGARDO C. MARTINEZ Head, Project Performance and Evaluation			
COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE					

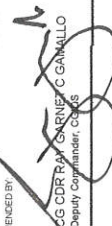


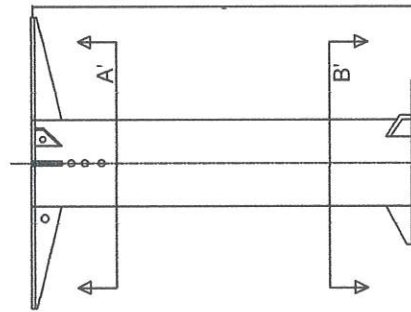
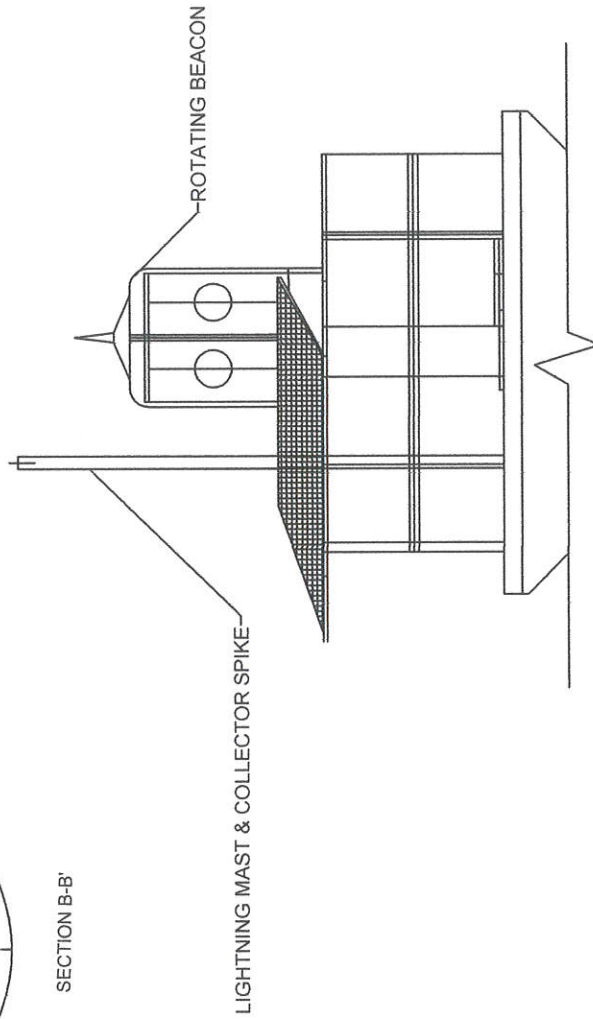
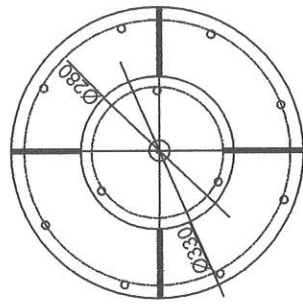
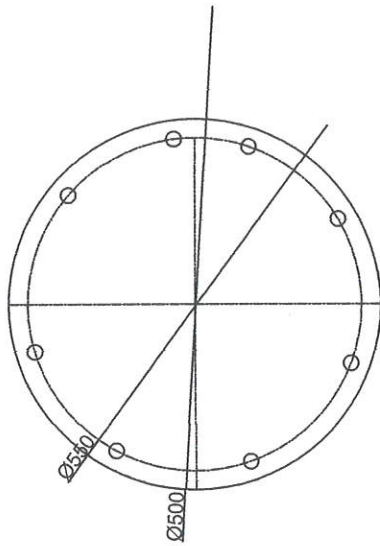
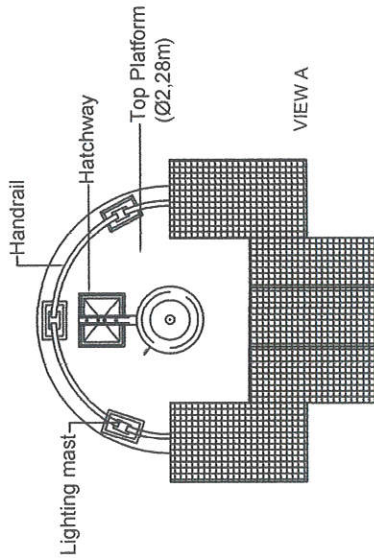
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COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY	
PROJECT TITLE :		LOCATION:	
OWNER:		PHILIPPINE COAST GUARD	
PREPARED BY:		CG PO James B. Lohoy	
REVISION:		DATE:	
CHECKED BY:		CG CDR RAY GARNET B. GANALLO	
RECOMMENDED BY:		CG CAPT PRUDEN JOE PATRICIO JR. (GSC)	
APPROVED BY:		CG CAPT PRUDEN JOE PATRICIO JR. (GSC)	
HEAD, Project Performance and Evaluation		Commander, CGUS	
SHEET NO.		SHEET NO.	



PROTECTION HANDRAIL

NTS

 PHILIPPINE COAST GUARD COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. MINABEL, CALAYAN/CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY CG P. James B. Lopez POIC CIVIL & STRUCTURAL BRANCH	REVISION	CHECKED BY  CG ENS EDGAR O. LOPEZ Head, Project Performance and Evaluation	RECOMMENDED BY  CG CDR RAY GARNIER C. GANALLO Deputy Commander, CGDS	APPROVED BY  CG CAPT PRUDENCIO PATRICIO JR (GSC) Commander, CGDS	DATE



Lantern Support

LANTERN SUPPORT

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PHILIPPINE COAST GUARD

HEADQUARTERS PHILIPPINE COAST GUARD
138 SOUTH PORT AREA, MANILA

COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE

PROJECT TITLE :
CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY

LOCATION:
BRGY. MINABEL, CALAYAN, CAGAYAN

OWNER:
PHILIPPINE COAST GUARD

PREPARED BY:
CG PO James B. Loo by

POIC CIVIL & STRUCTURAL BRANCH

CHECKED BY:

DATE

REVISION

Head, Project Performance and Evaluation

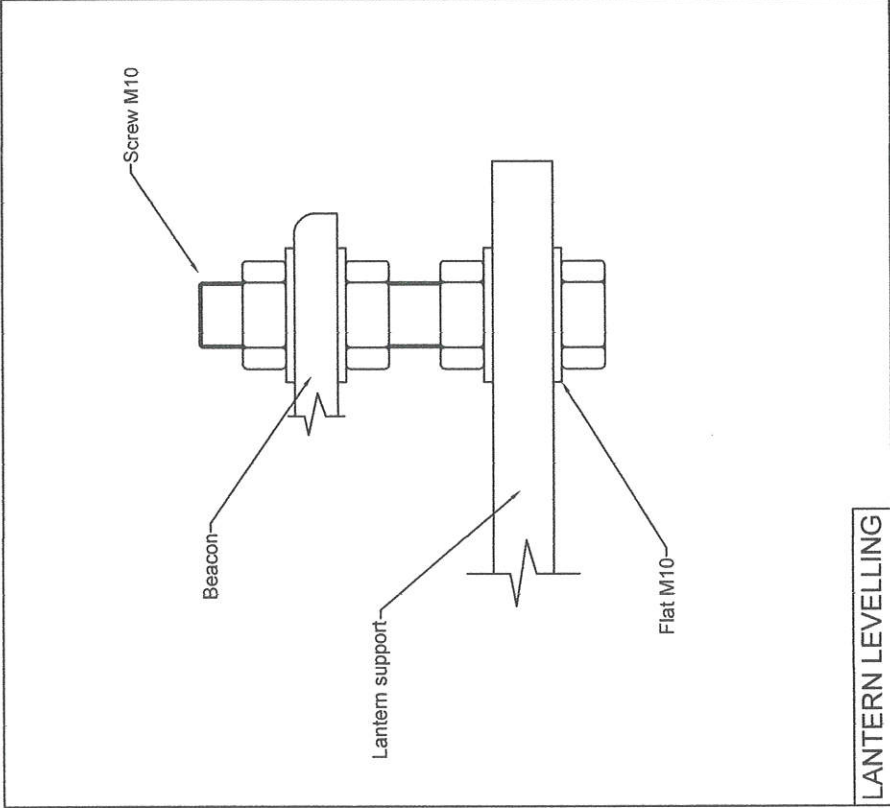
RECOMMENDED BY:

CG CAPT PRUDENCO C. PATRICIO JR. (GSC)
Commander, CGDS

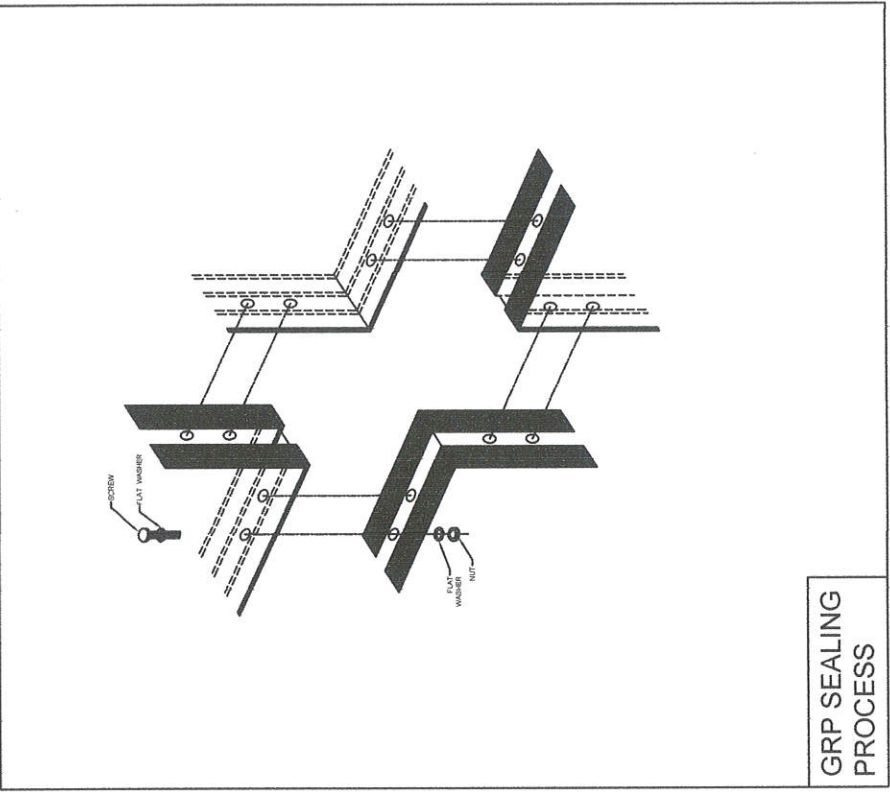
APPROVED BY:

CG CAPT PRUDENCO C. PATRICIO JR. (GSC)
Commander, CGDS

SHEET NO.



LANTERN LEVELLING



GRP SEALING
PROCESS

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 139-20TH ST. FORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CAMIGUIN NORTH AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. MINABEL, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY: <i>James B. Lopez</i> CG POL & CIVIL ENGINEERING BRANCH POIC CIVIL & STRUCTURAL BRANCH		CHECKED BY: <i>[Signature]</i> CGS ERS/POIC'S CORRELATION Head Project Correlation and Evaluation		RECOMMENDED BY: <i>[Signature]</i> CG CDR JAY SARMENTE GABALLO Deputy Commander		APPROVED BY: <i>[Signature]</i> CG CAPT PRUDENCIO GARCIA JR (SSC) Commander, CGIDS	
REVISION:		DATE:					