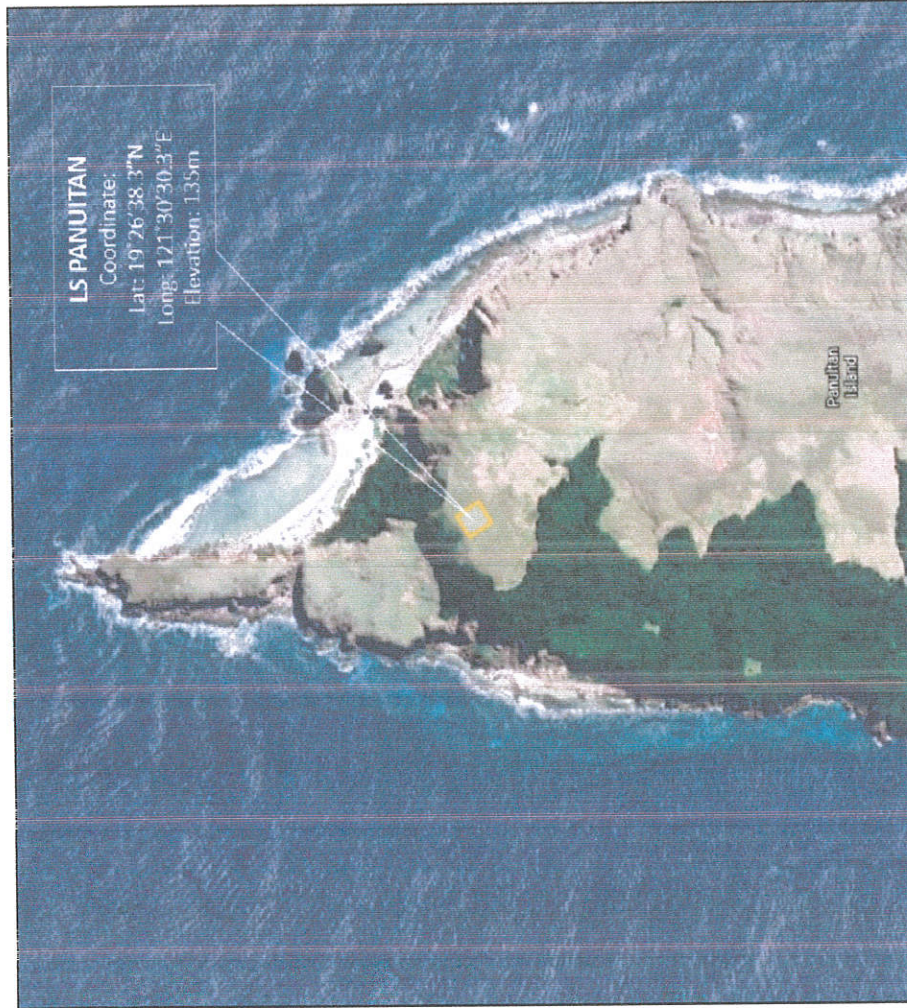


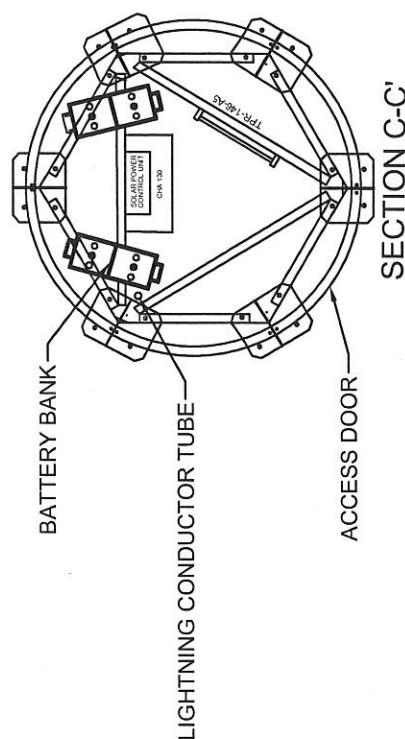
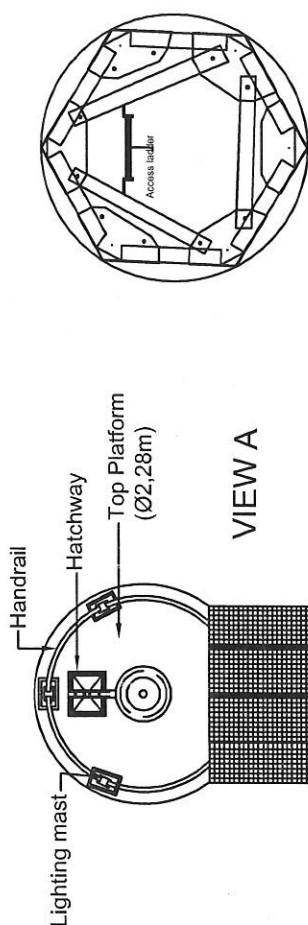
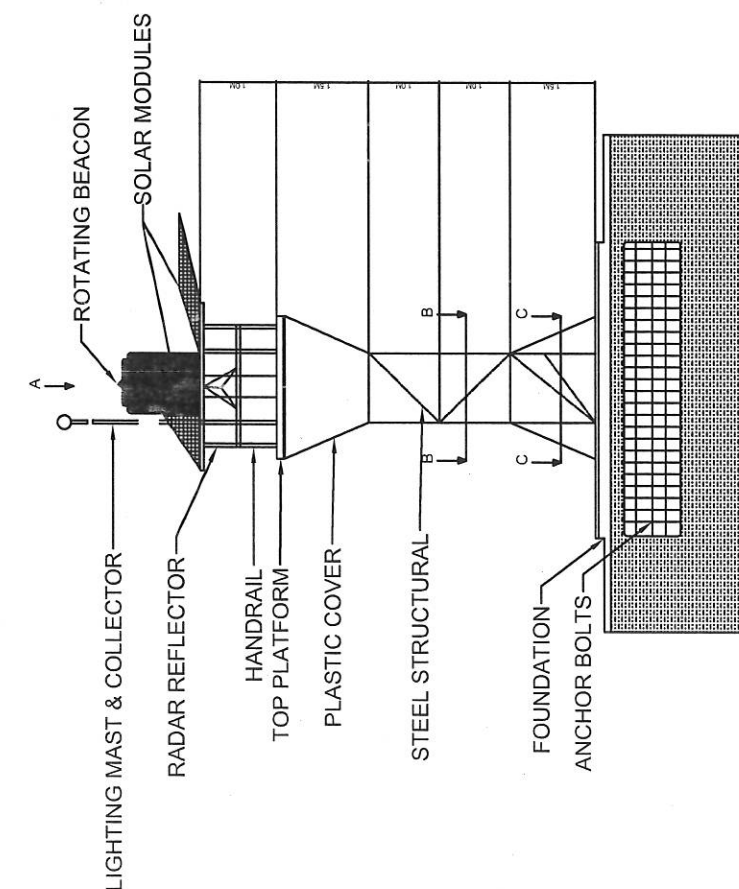


SITE DEVELOPMENT PLAN

PERSPECTIVE

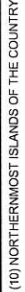
 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 120 SOUTH ST. PORT MUELANA, MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION PANUITAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHT-HOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: PANUITAN ISLAND, BARUTAN CLARO, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY <i>[Signature]</i> CG PCO MARINE BRANCH		REVISION		DATE		APPROVED BY: <i>[Signature]</i> CG CAPT PRUDENCIO C PATRICIO JR (SSC) Commander, CGIDS	
CHECKED BY: <i>[Signature]</i> CG ENS ENRIQUE S. TEZ Head, Performance and Evaluation		RECOMMENDED BY: <i>[Signature]</i> CG CAPT RAY GABRIEL C GAMALLO Deputy Commander, CGIDS					

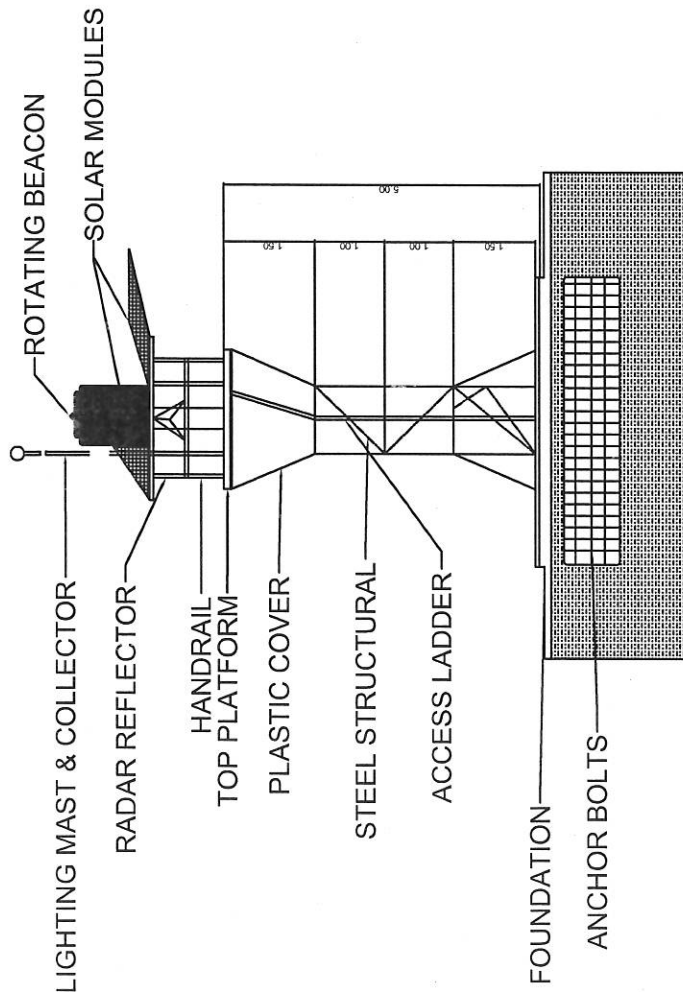
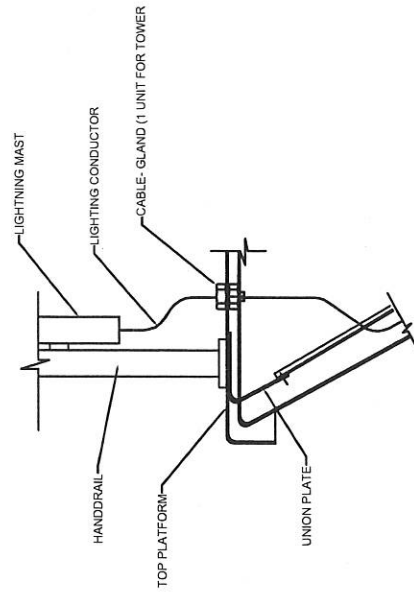
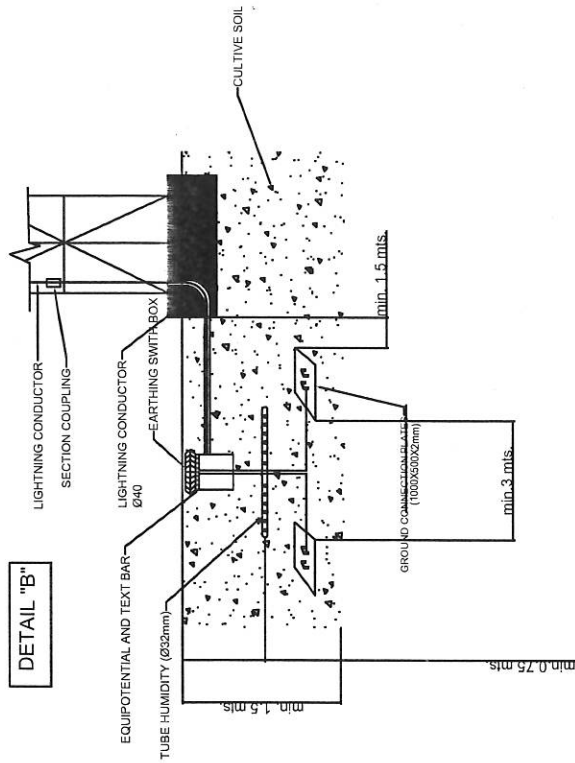
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Base Diameter		2000mm
Tower Diameter		1200mm
Foundation Bolt PCD		1850mm
Number of Modules / Section		4



SECTION C-C'

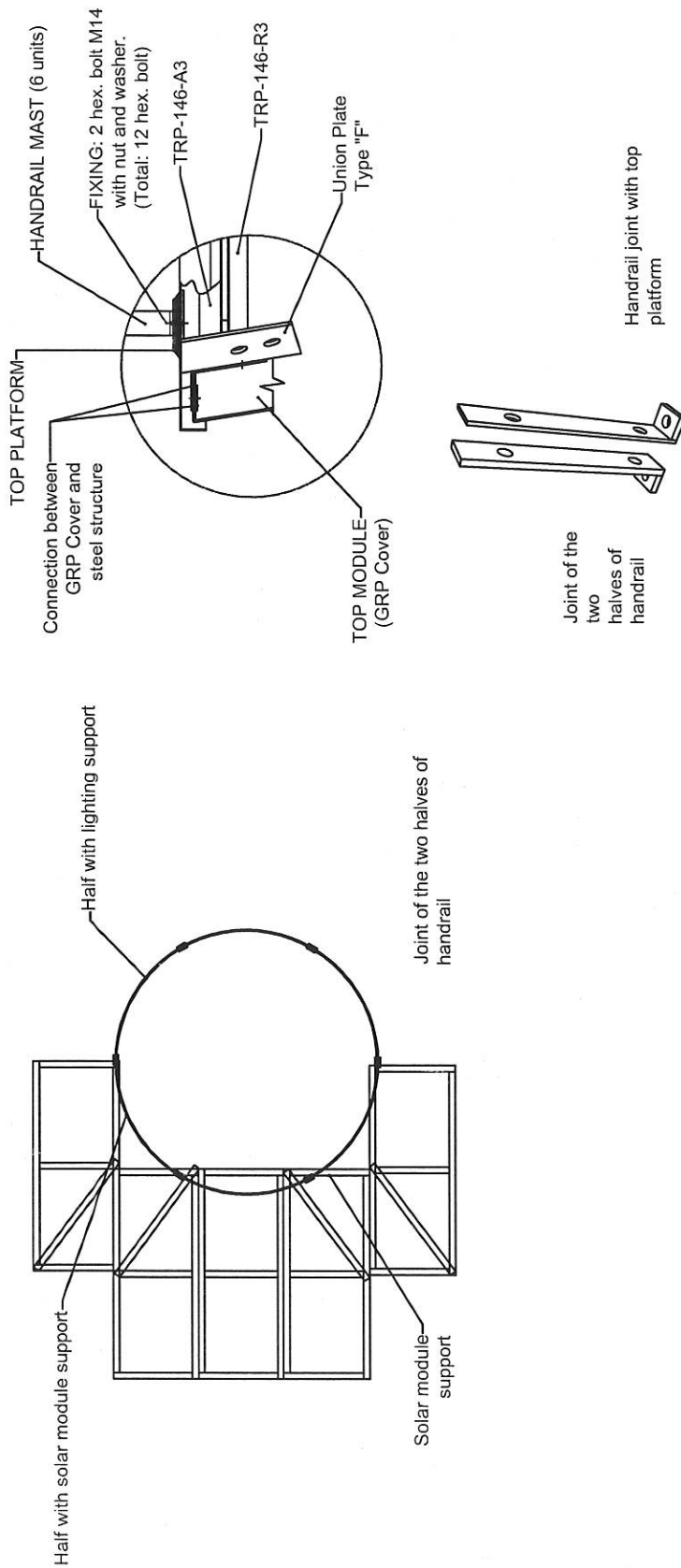
GENERAL DRAWING
NTS

 PHILIPPINE COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE 150 SOUTH BAY, PORT ANSAB MANILA	PROJECT TITLE : CONSTRUCTION OF LIGHT STATION PANUITAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: PANUITAN ISLAND, BABUYAN CLARO, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARDS			CHECKED BY: 		APPROVED BY: 		SHEET NO.
	PREPARED BY CG PO3 (JANICA B. LARAY)			RECOMMENDED BY: 		CG CAPT PRUDENCIO C. PATRICIO JR (GSC) Commanding CGIDS		
	REVISION			CG ENSIGN GABRIEL C. SAMALLO Deputy Commanding CGIDS				
	DATE			CG ENSIGN GABRIEL C. SAMALLO Head, Project Performance and Evaluation				



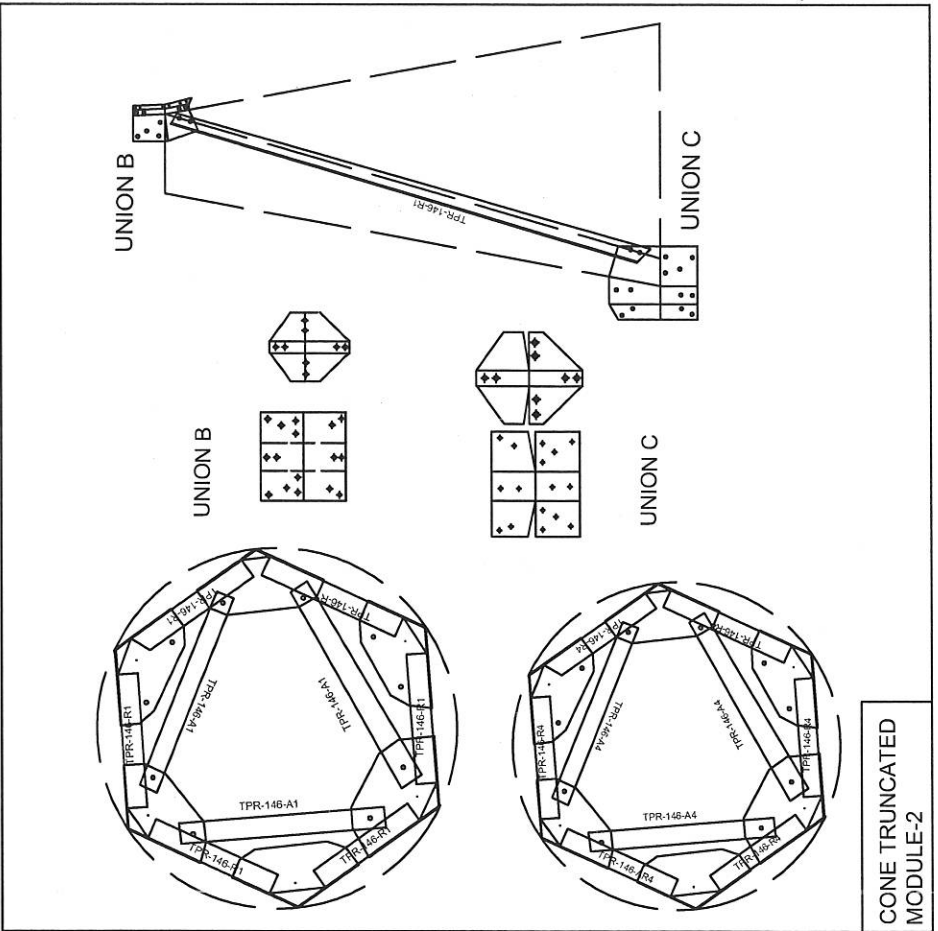
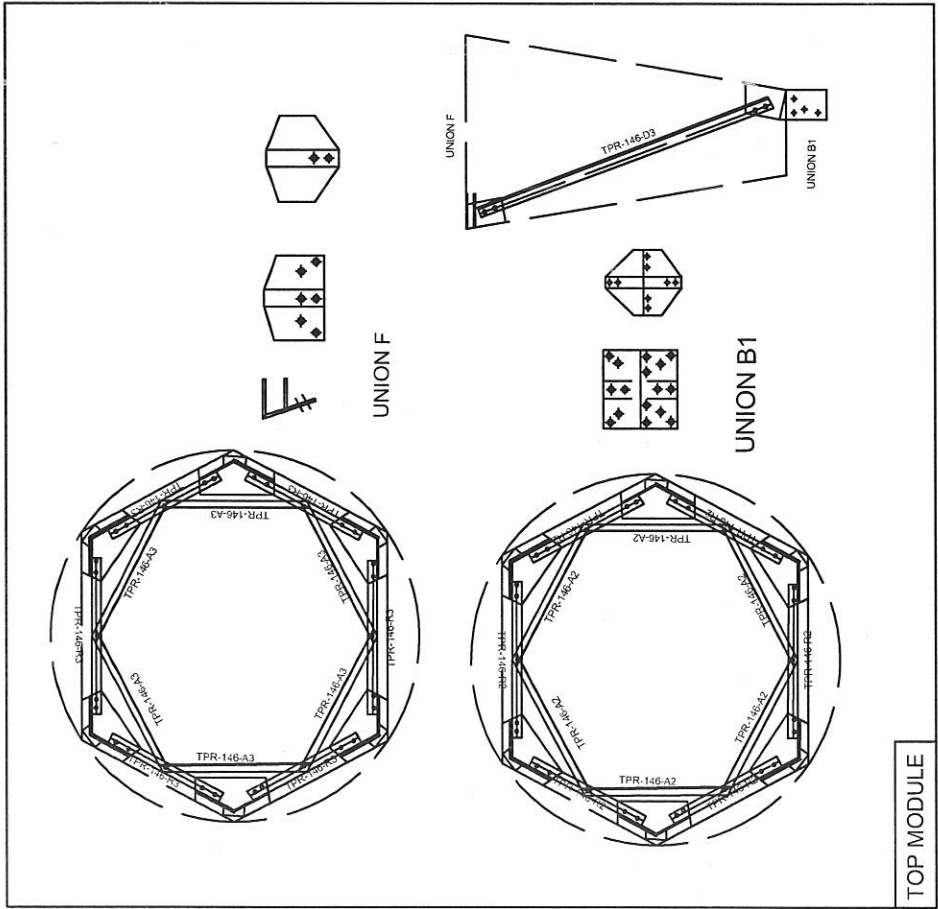
GROUNDING PROTECTION SYSTEM NTS

 PHILIPPINE COAST GUARD 136 20TH ST., PORT AREA MANILA COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE	PROJECT TITLE : CONSTRUCTION OF LIGHT STATION PANUTAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: PANUTAN, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD	SHEET NO.
	PREPARED BY: CG P. GARCIA B. LUTERO POC CIVIL & STRUCTURAL BRANCH REVISION: DATE	
	CHECKED BY: CG ENS EDUARDO J. CORVEA Head, Project Performance and Evaluation RECOMMENDED BY: CG CAPT. GARNET S. GAMALLO Deputy Commander, CAGOS APPROVED BY: CG CAPT. PRUDENCIO C. PATRICIO JR. (GSC) Commander, CAGOS	

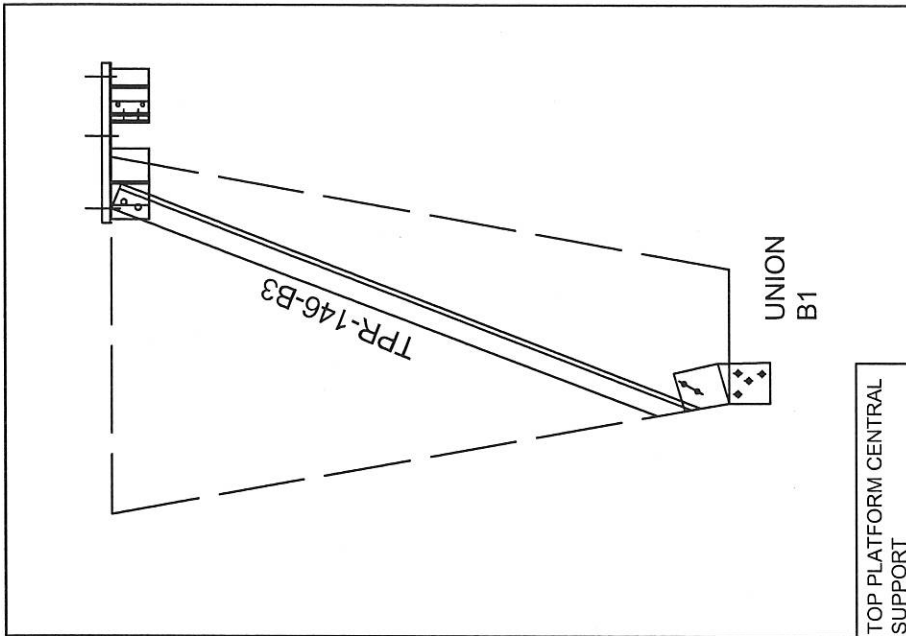
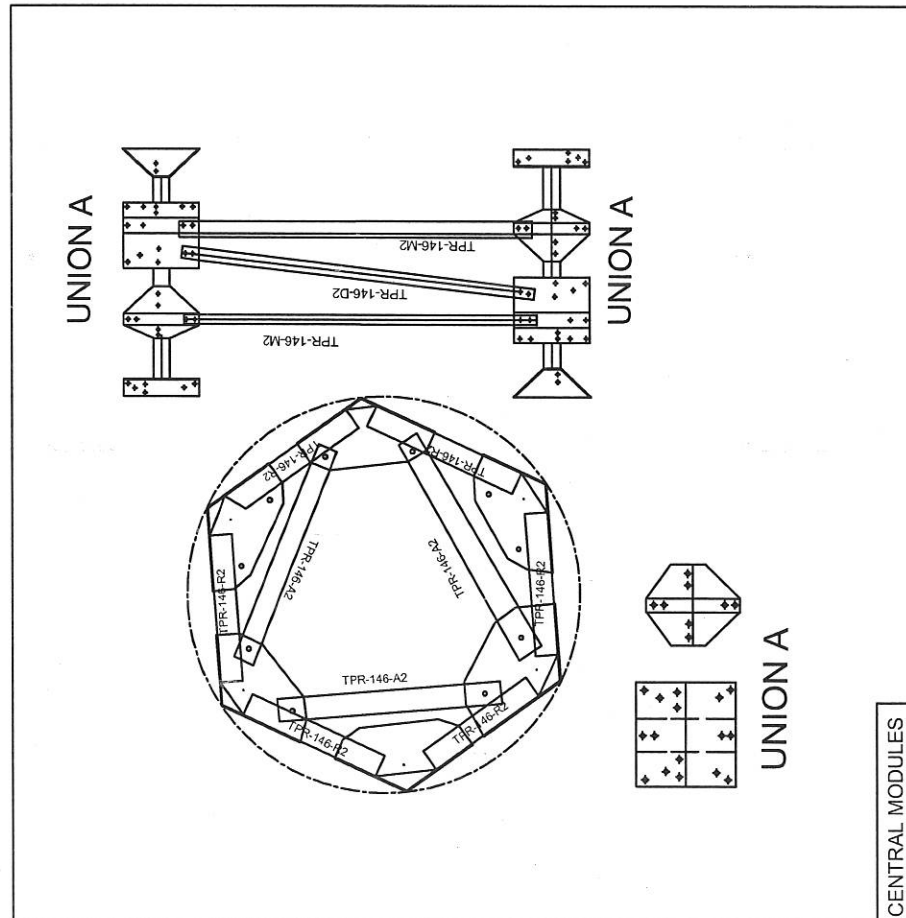


PROTECTION HANDRAIL NTS

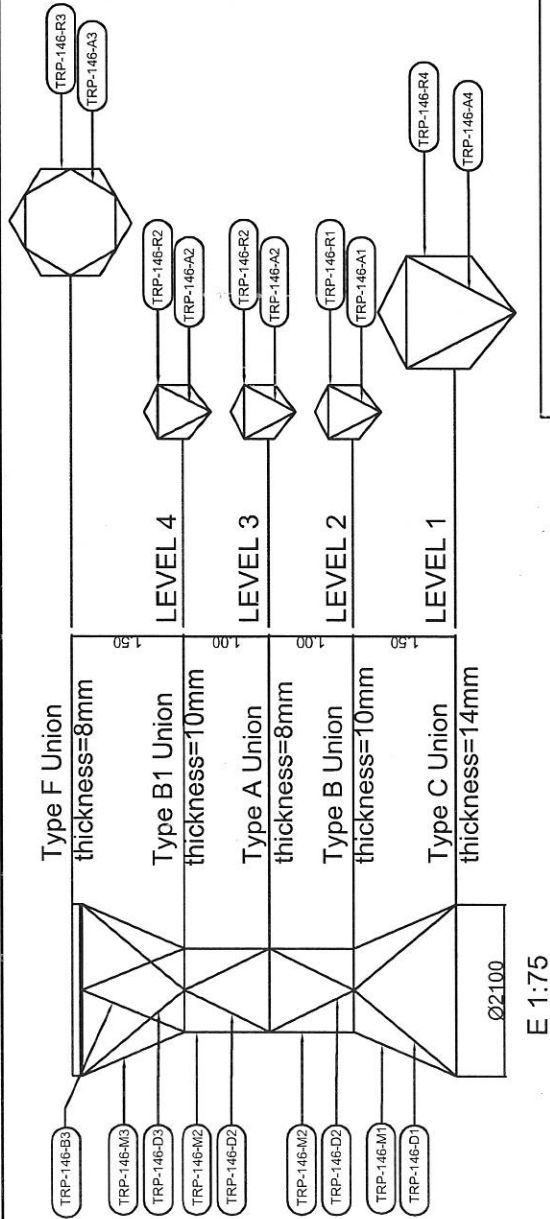
 PHILIPPINE COAST GUARD 150 SOUTH ST. PORT AREA MANILA		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION PANUITAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: PANUITAN ISLAND, BABUYAN CLARO, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY: CG PIAA (PORT AREA INFRASTRUCTURE) REVISION: _____		CHECKED BY: <i>[Signature]</i> CG ENS EDGARDO LOPEZ Head, Project Performance and Evaluation		RECOMMENDED BY: <i>[Signature]</i> CG CDR RAY GABRIEL S. GAMALLO Deputy Commander, CGIS	
APPROVED BY: <i>[Signature]</i> CG CAPT PRUDENCIO PATRICIO JR (GSC) Commander, CGIS					



PHILIPPINE COAST GUARD 1305 SOUTH AVENUE, PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE			PROJECT TITLE : CONSTRUCTION OF LIGHT STATION PANUITAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: PANUITAN ISLAND, BARILAN CLARO, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY CG CAPT EDGARDO J. GARCIA POC CIVIL & STRUCTURAL BRANCH	REVISION	CHECKED BY: CG CAPT EDGARDO J. GARCIA POC CIVIL & STRUCTURAL BRANCH	DATE	APPROVED BY: CG CAPT PRUDENCIO C. PATRICIO JR. Commander, CGUS	RECOMMENDED BY: CG CAPT GABRIEL C. GAMALLO Deputy Commander, CGUS	REVISION



 PHILIPPINE COAST GUARD NAACON - NORTH AREA NAVAL COMMAND COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION PANUITAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: PANUITAN ISLAND, BABUYAN CLARO, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY CG PCG/INFRASTRUCTURE POIC CIVIL & STRUCTURAL BRANCH		CHECKED BY:  CG ENS EDGARDO J. CORTES Head, Project Performance and Evaluation		APPROVED BY:  CG CDR RAY SARACET C. MANALLO Deputy Commander, CGUS	
REVISION		DATE		CG CAPT PRUDENCIO C. PATRICIO JR. (GSC) Commander, CGUS	

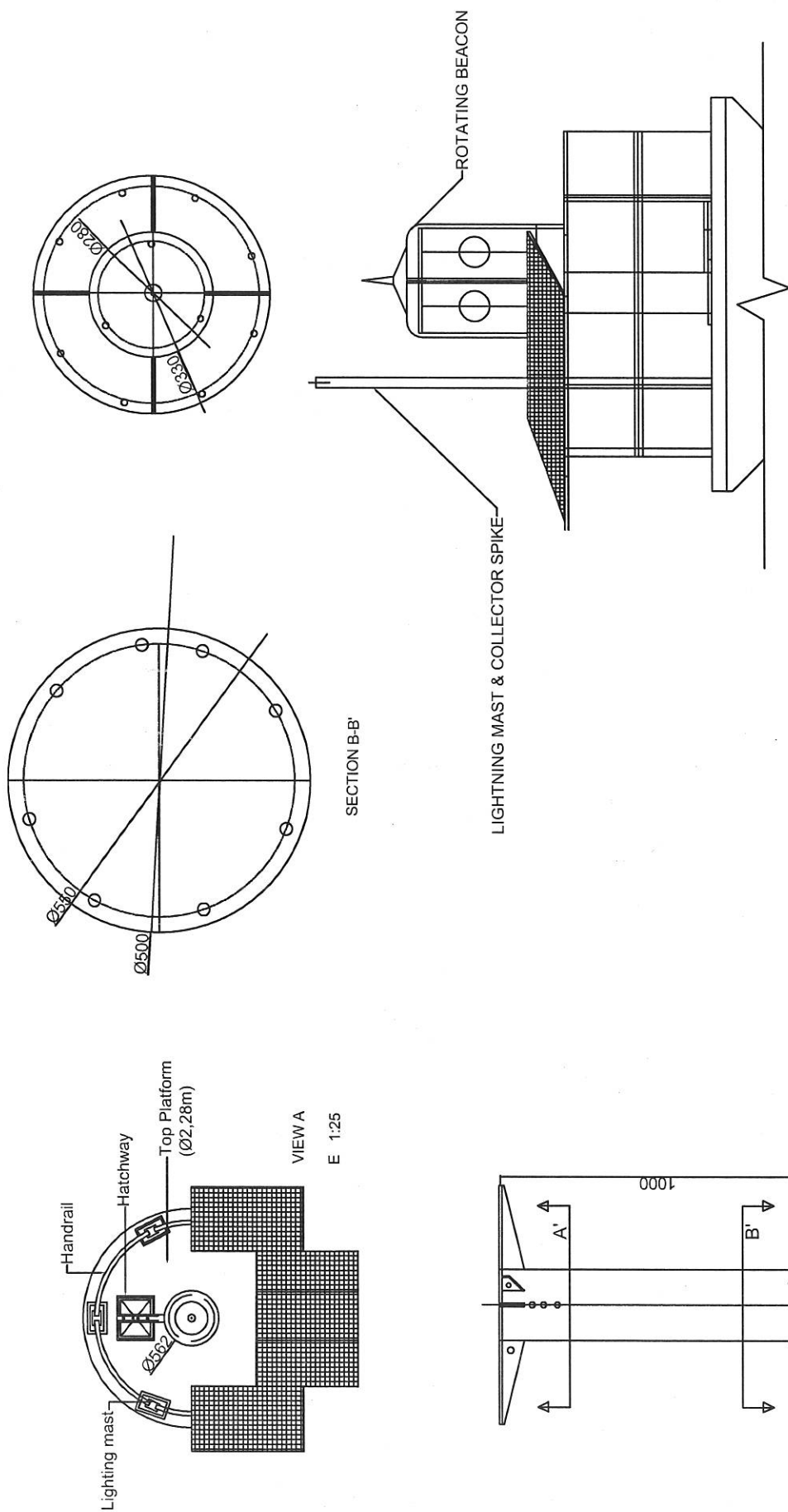


BARS

NTS

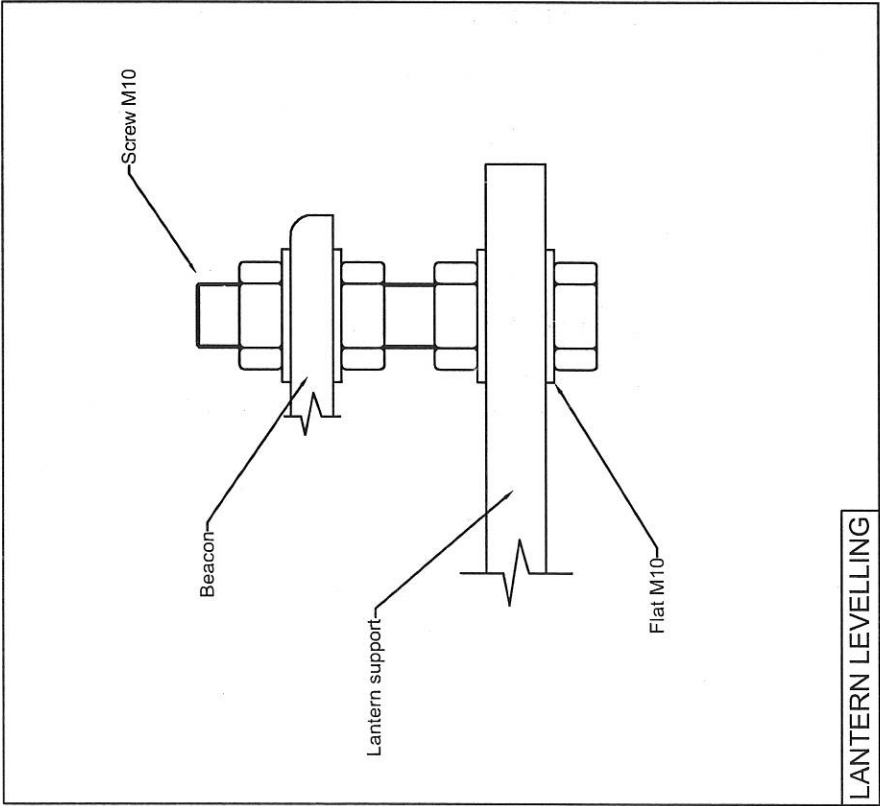
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TPR-146-M1	L70.6	6	M-20X40	410
TPR-146-D1	L70.6	6	M-20X40	410
TPR-146-R2	L60.5	24	M-16X35	210
TPR-146-A2	L60.5	12	M-16X35	210
TPR-146-M2	L60.5	24	M-16X35	210
TPR-146-D2	L60.5	24	M-16X35	210
TPR-146-R3	2L60.5(T)	6	M-16X35	210
TPR-146-A3	L60.5	6	M-16X35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

PHILIPPINE COAST GUARD 136.38TH ST. FORT ANGELO, CAGAYAN COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION PANUITAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: PANUITAN ISLAND, BABUYAN CLARO, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY CG PCG/INFRA/B/103/2019 POIC CIVIL & STRUCTURAL BRANCH	CHECKED BY CG ENS EDGARDO TORRES Head, Project Performance and Evaluation	RECOMMENDED BY CG CAPT PRUDENCIO PATRICIO JR. Commander, CGIS	APPROVED BY CG CAPT PRUDENCIO PATRICIO JR. Commander, CGIS		
REVISION DATE					

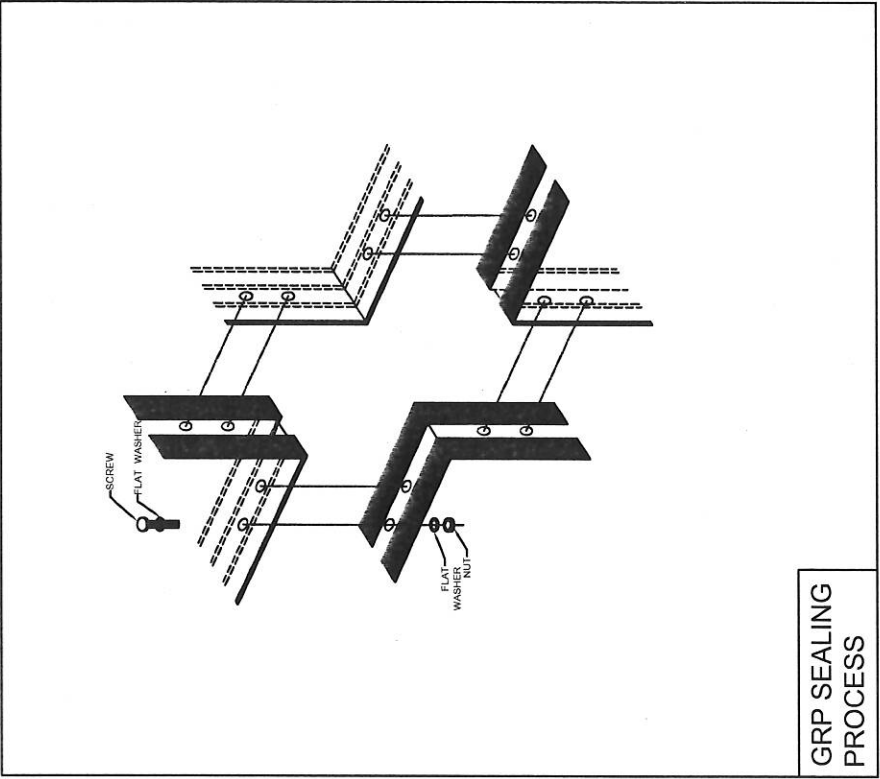


LANTERN SUPPORT NTS

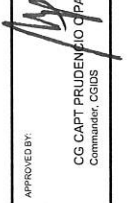
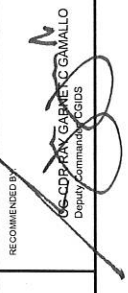
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PREPARED BY : CG POST JAMES E. CORDOVA POIC CIVIL & STRUCTURAL BRANCH		RECOMMENDED BY : CG CAPT RAY GABRIEL S. GAMALLO Deputy Commander, CGIDS		APPROVED BY : CG CAPT PRUDENCIO ET PATRICIO JR (GSC) Commander, CGIDS	
CHECKED BY : CG ENS EDGARDO CORTES JR Head, Project Performance and Evaluation		DATE		REVISION	

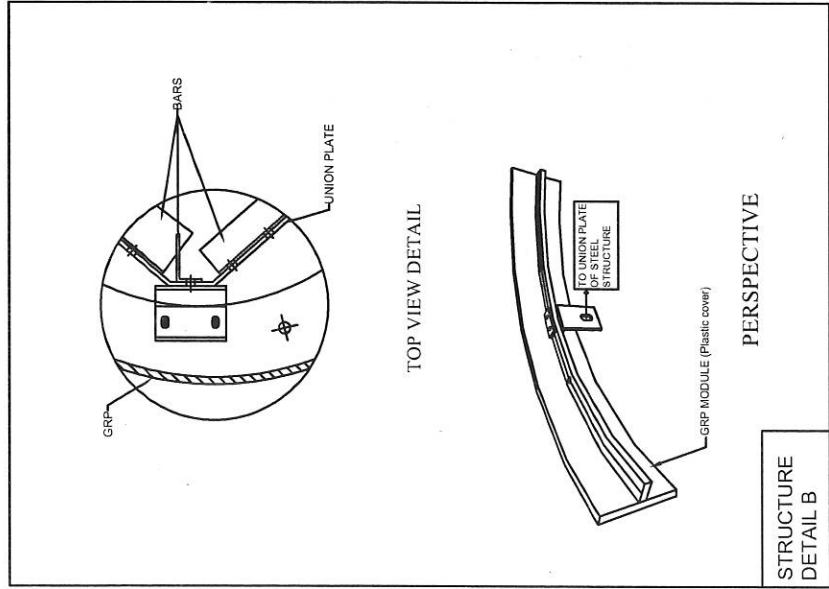


LANTERN LEVELLING



GRP SEALING
PROCESS

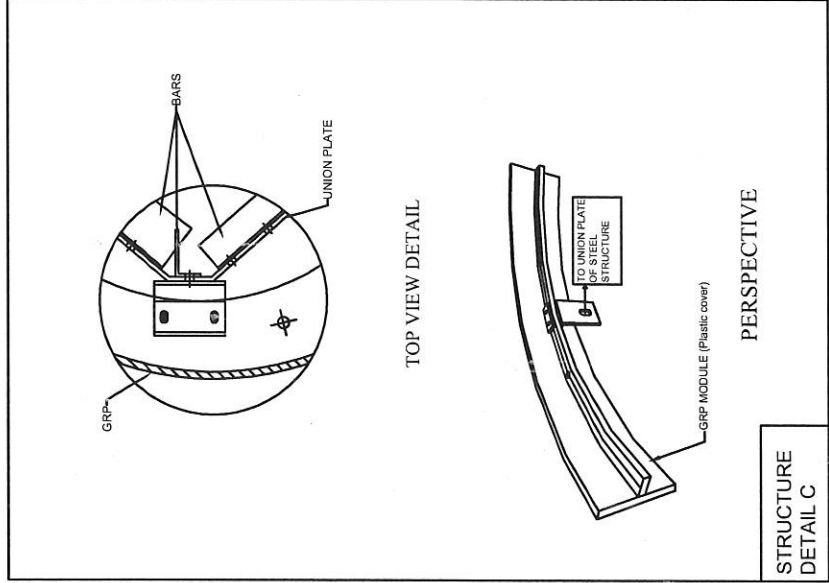
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PREPARED BY CG POC POC DIV. 3 STRUCTURE BRANCH		CHECKED BY:  CG ENS EDGARDO J. CORTEZ Head, Project Performance and Evaluation		APPROVED BY:  CG CAPT PRUDENCIO Q. PATRICIO JR (GSC) Commander, CGIDS	
REVISION		DATE		RECOMMENDED BY:  CG-CDPRAY GABRIEL G. GAMALLO Deputy Commander, CGIDS	



TOP VIEW DETAIL

PERSPECTIVE

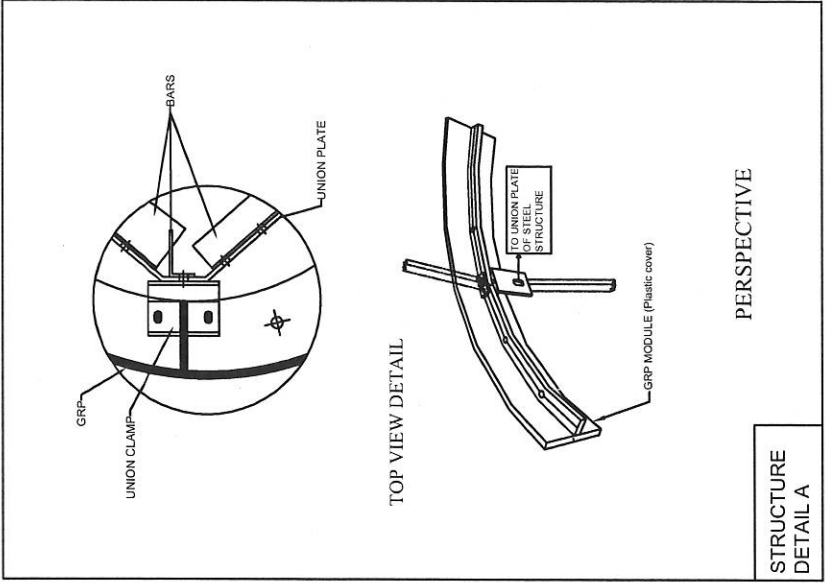
STRUCTURE
DETAIL B



TOP VIEW DETAIL

PERSPECTIVE

STRUCTURE
DETAIL C



TOP VIEW DETAIL

PERSPECTIVE

STRUCTURE
DETAIL A

PHILIPPINE COAST GUARD
120 SOUTH ST., PORT AREA MANILA



**COAST GUARD INFRASTRUCTURE
DEVELOPMENT SERVICE**

PROJECT TITLE :
LOCATION:
OWNER:

CONSTRUCTION OF LIGHT STATION PANUITAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY
PANUITAN ISLAND, BARILYAN CLARO, CALAYAN, CAGAYAN
PHILIPPINE COAST GUARD

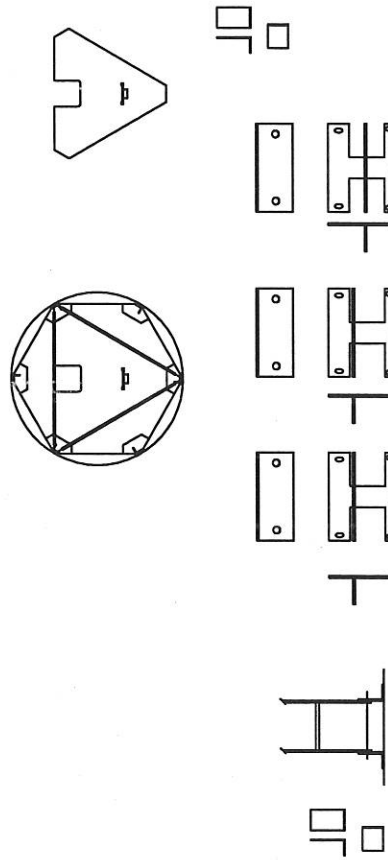
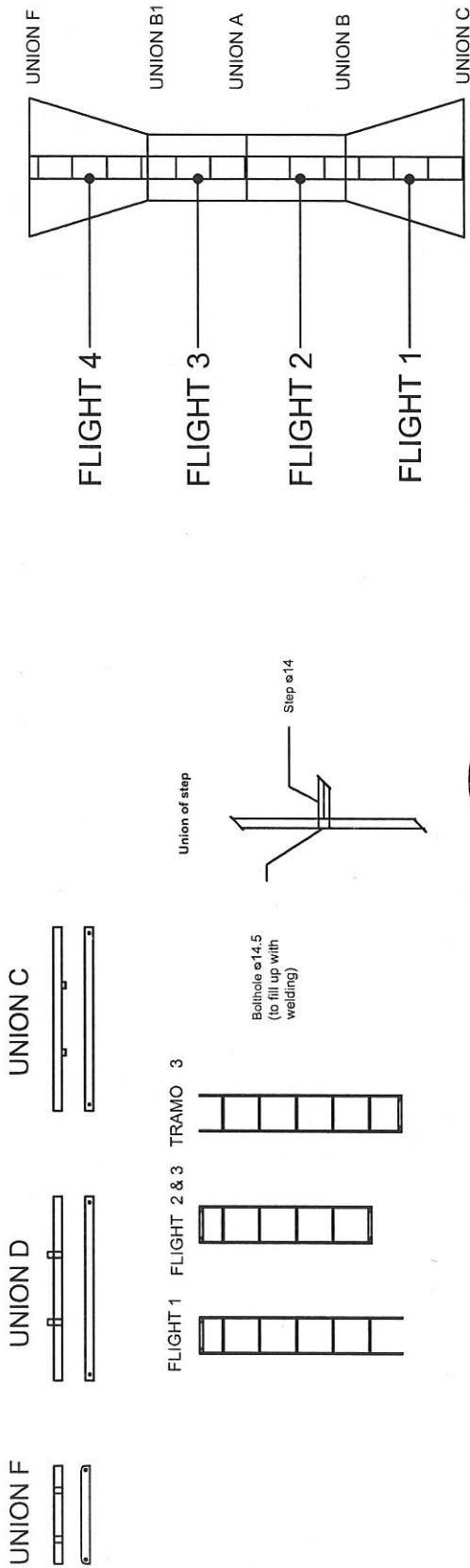
PREPARED BY
CG PROJECT ENGINEER
POC CIVIL & STRUCTURAL BRANCH

REVISION
DATE

CHECKED BY:
CG ENS EDUARDO J. CORTES
Head, Project Performance and Evaluation

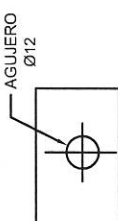
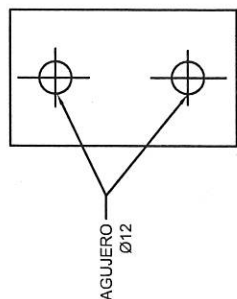
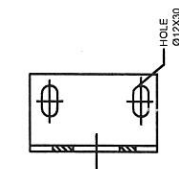
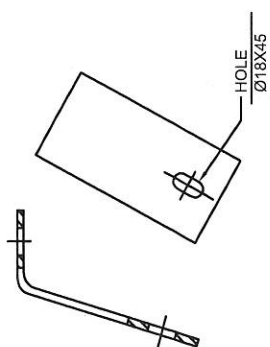
RECOMMENDED BY:
CG CAPT PRUDENCIO C. PATRICO JR. (GSC)
Commander, CGIOS

SHEET NO.



INTERNAL LADDER NTS

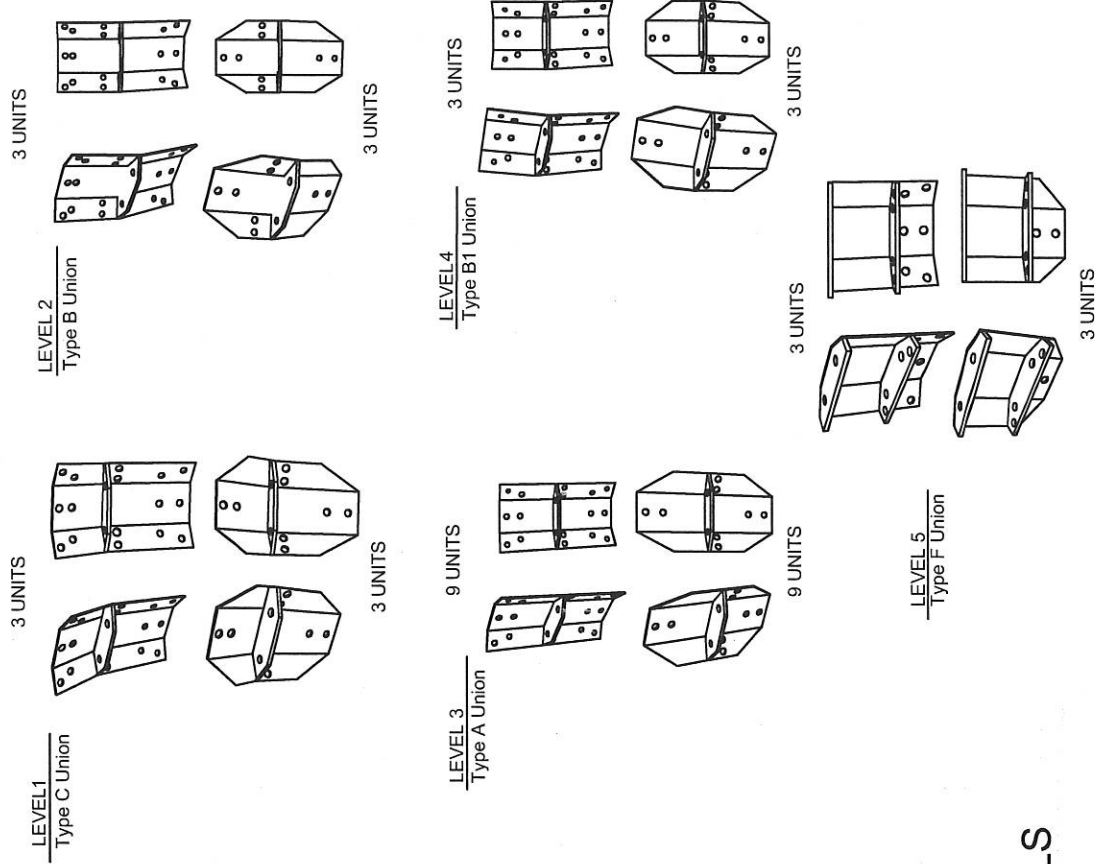
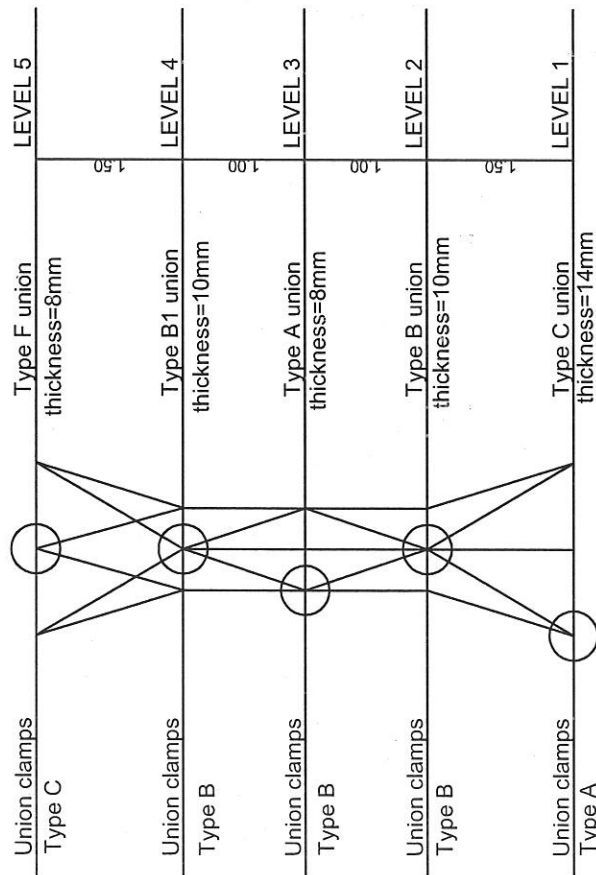
 PHILIPPINE COAST GUARD 142 25TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION PANUTAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHT-HOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: PANUTAN ISLAND BARUAYAN CLARO, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD	APPROVED BY:  CG CAPT PRUDENCIO C. PATRICIO JR (GSC) Commander, CGIS	SHEET NO.
PREPARED BY  CG PO3 ROMEO B. LOPEZ POIC CIVIL & STRUCTURAL BRANCH		REVISION	DATE	CHECKED BY:  CG ENS EDGARDO J. CORTES Head, Project Performance and Evaluation	RECOMMENDED BY:  CG SBR ARAC GABENET GAMALLO Deputy Commander, CGIS	

UNION CLAMPS
TYPE C
UNION F

UNION PLATES

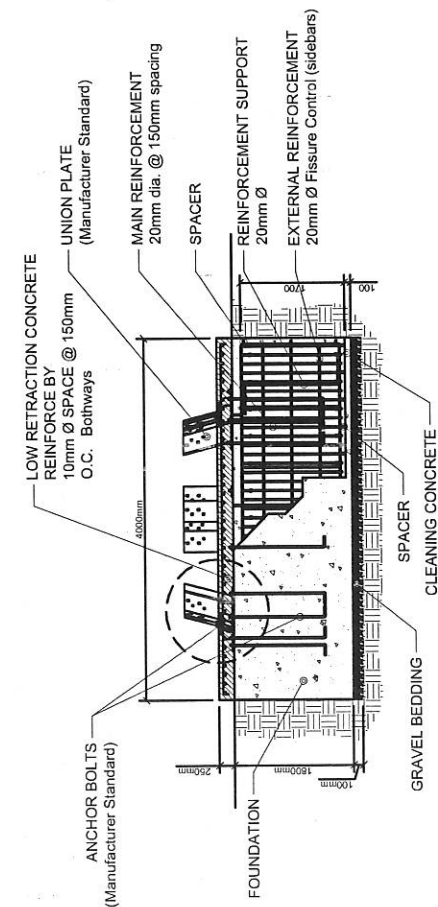
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	PHILIPPINE COAST GUARD		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION PANUKITAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: PANUKITAN ISLAND, BARUBAYAN CLARRO, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD	SHEET NO. _____
	PREPARED BY	CREATED BY	RECOMMENDED BY	APPROVED BY:		
	REVISION	DATE	CG PO3 James B. Lechay CGIC CIVIL & STRUCTURAL BRANCH	CG CAPT PRUDENCIO PATRICIO JR (GSC) Commanding CGIDS		

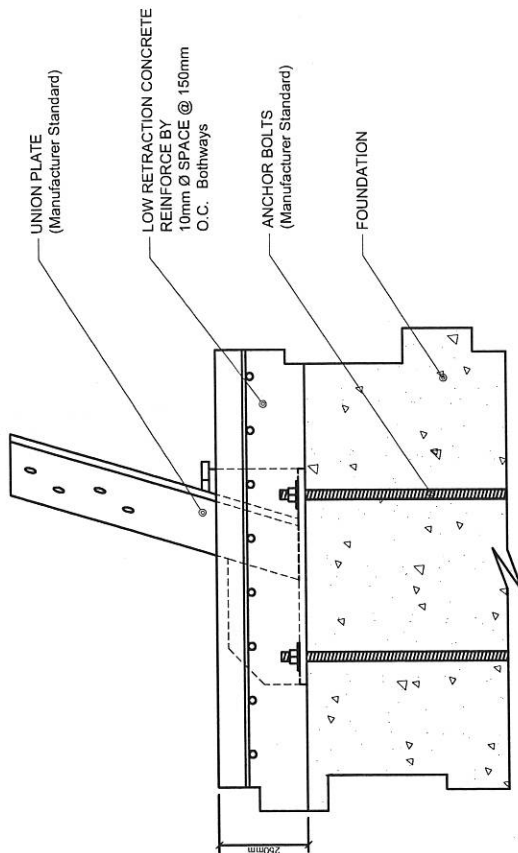


UNION PLATES DETAILS NTS

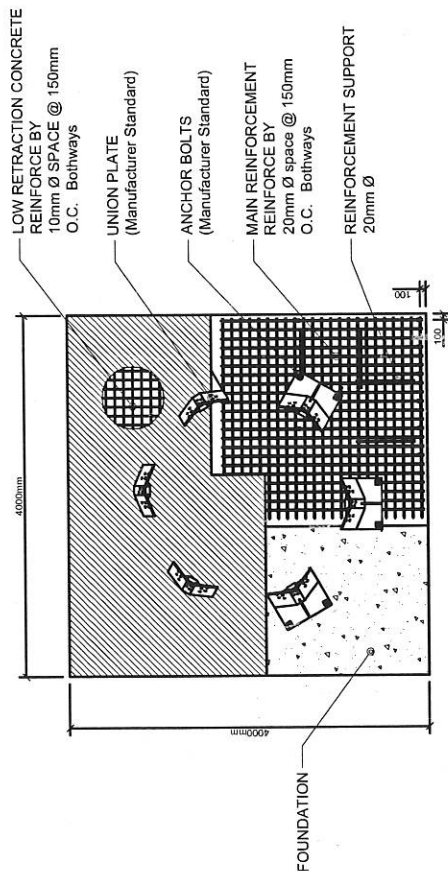
 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 150 35TH ST. PORT ANSIA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION PANUITAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: PANUITAN ISLAND, BABUYAN CLARO, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY CG PO3 James B. Libby POIC CIVIL & STRUCTURAL BRANCH		CHECKED BY: CG ENS EDGARDO J. CORTE Head, Project Performance and Evaluation		APPROVED BY: CG CAPT PRUDENCIO C. MATRICIO JR. (GSC) Commander, CGIS			
REVISION 		DATE 					



FOUNDATION DTL. SECTION



UNION PLATE CONNECTION DTL.



FOUNDATION DETAILS

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 150 25TH ST. PORT AREA MANILA		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION PANUTAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY LOCATION : PANUTAN ISLAND, BARUBAN CLARO, CALAYAN, CAGAYAN OWNER : PHILIPPINE COAST GUARD		SHEET NO.
PREPARED BY : CG POC James B. Ladday POC CIVIL & STRUCTURAL BRANCH	CHECKED BY : <i>[Signature]</i> CG CDR RAY GARNIER CAMALLO Deputy Commander, CGUS	APPROVED BY : <i>[Signature]</i> CG CAPT PRUDENCIO C. PATRICIO JR. (GSC) Commander, CGUS		
REVISION : DATE :				