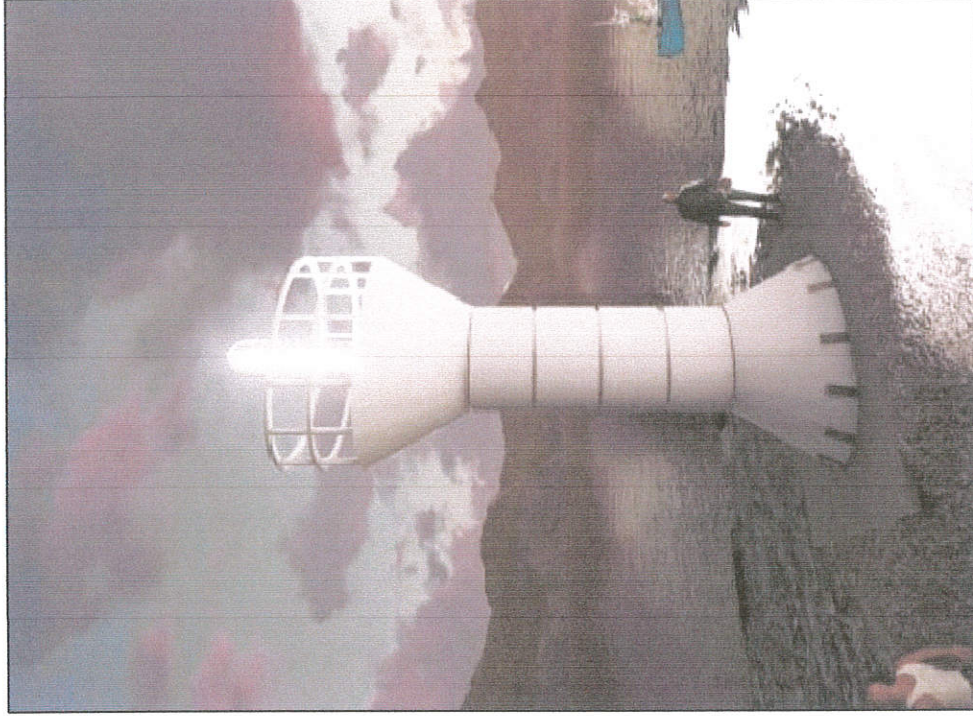
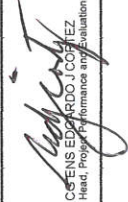
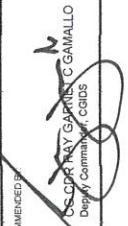


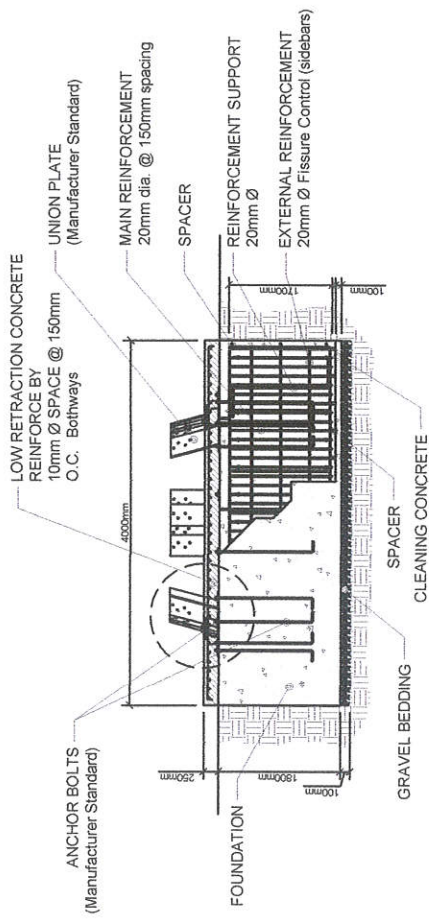


SITE DEVELOPMENT PLAN

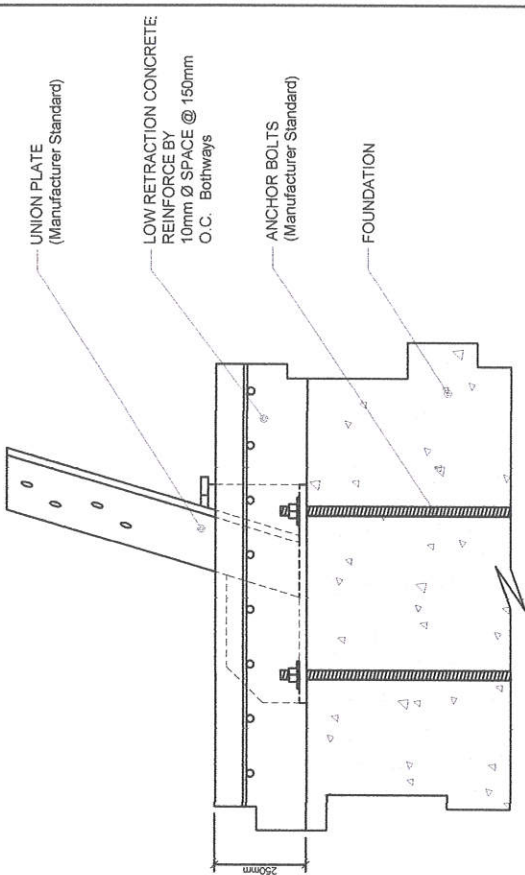


PERSPECTIVE

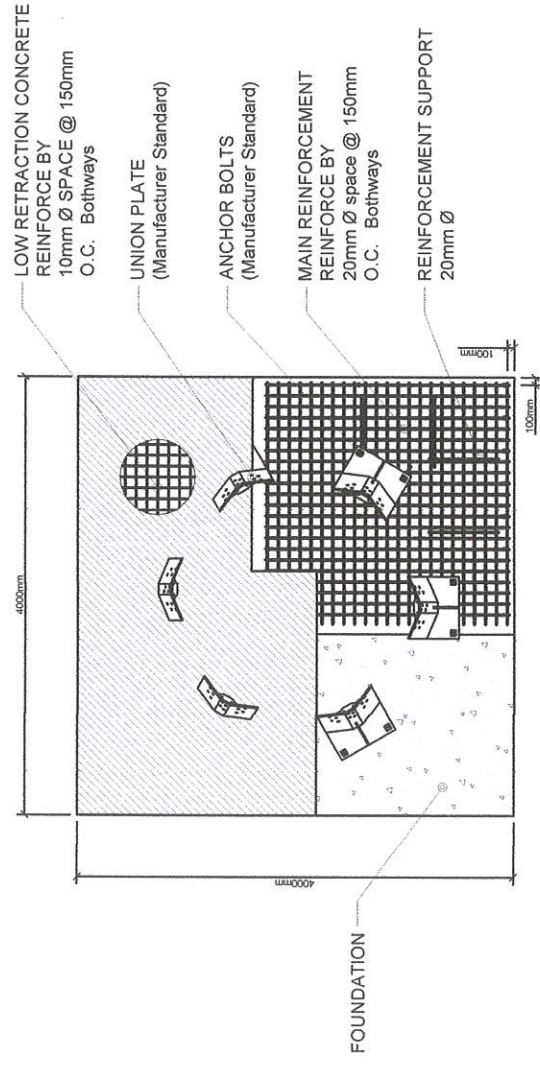
 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 138 SOUTH ST. PORT JESU AREA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. BABUYAN GUARO CALAYAN CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY CG PO3 James B. Lunday POIC CIVIL & STRUCTURAL BRANCH		CHECKED BY:  CEFENS EDUARDO J. COPIEZ Head, Project Performance and Evaluation		RECOMMENDED BY:  CSOP RAY GARCIA C. GAMALLO Deputy Commander, CGDS		APPROVED BY:  CG CAPT PRUDENCIO C. PATRICIO JR. (GSC) Commander, CGDS	
REVISION		DATE					



FOUNDATION DTL. SECTION
NTS

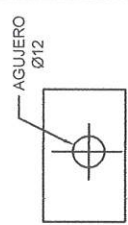
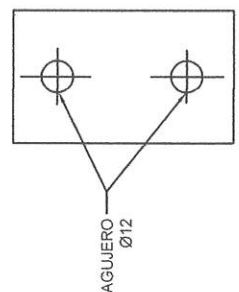
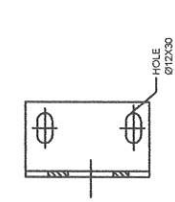
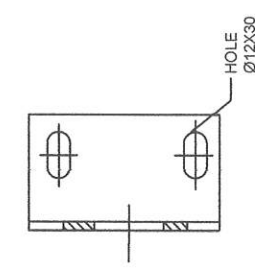
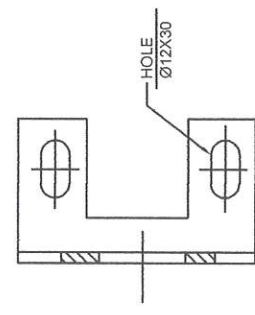
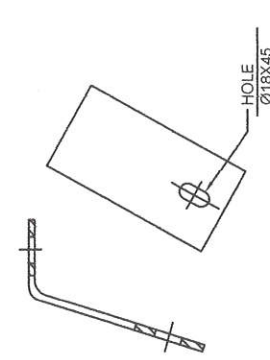
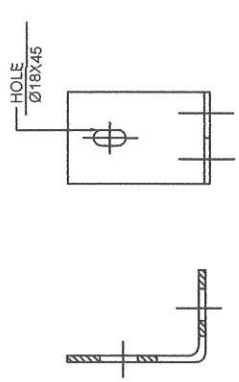
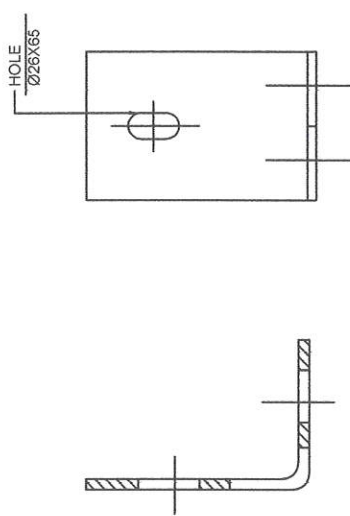


UNION PLATE CONNECTION DTL.
NTS



FOUNDATION DETAILS
NTS

 PHILIPPINE COAST GUARD COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY LOCATION : BRGY. BABUYAN CLARO, CALAYAN, CAGAYAN OWNER : PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY : CG PO1 MIE B. Linao POIC CIVIL & STRUCTURAL BRANCH	CHECKED BY : <i>[Signature]</i> CG ENS ESTRODO CORREA Head, Project Performance and Evaluation	RECOMMENDED BY : <i>[Signature]</i> CG CAPT. GABRIEL C. GALLO Deputy Commander, CGIDS	APPROVED BY : <i>[Signature]</i> CG CAPT. PRUDENIO C. PATRICIO JR. (SSC) Commander, CGIDS	DATE : REVISION :	



UNION CLAMPS
TYPE A
UNION C-D

UNION CLAMPS
TYPE B
UNION B-A-B1

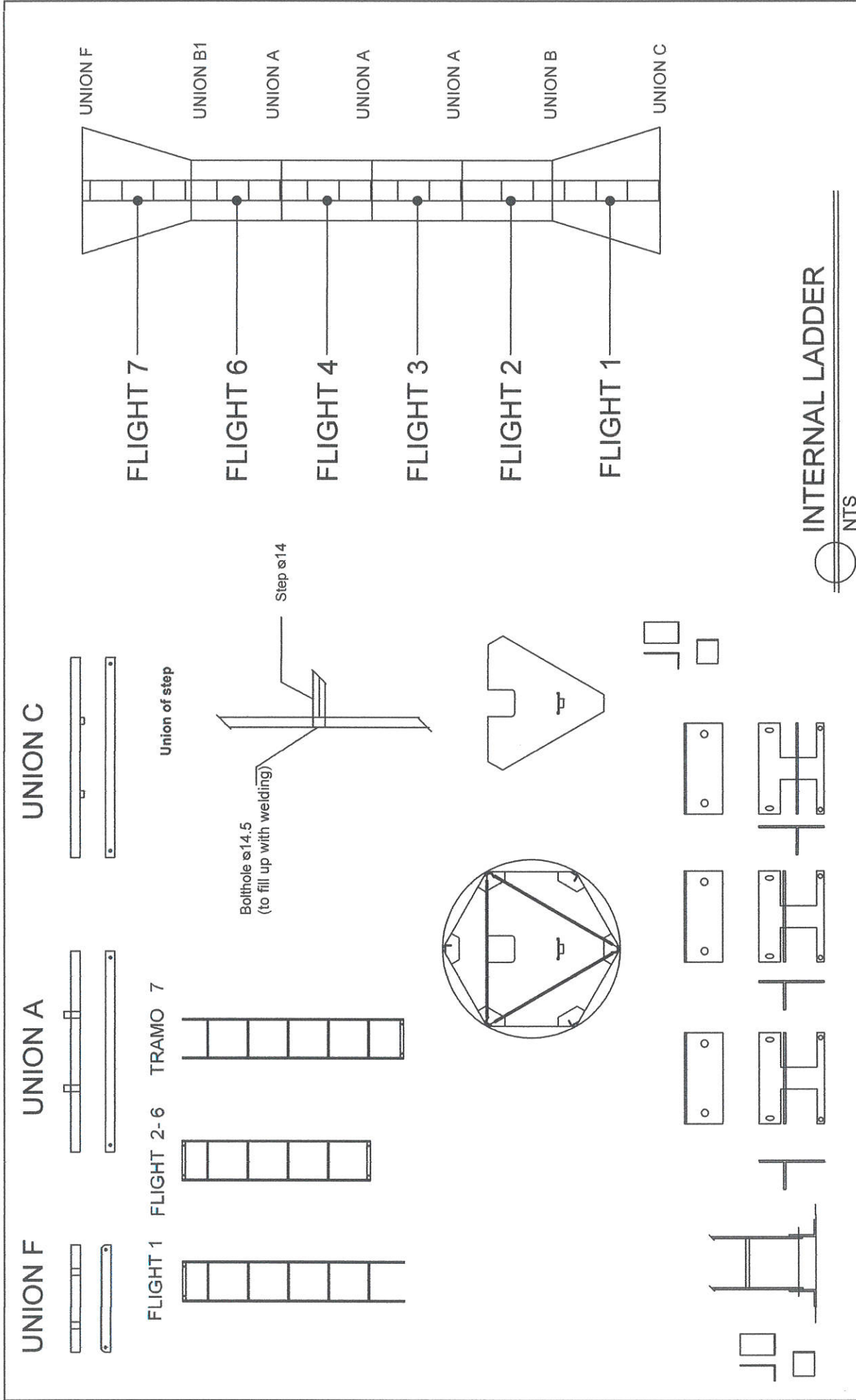
UNION CLAMPS
TYPE C
UNION F

UNIORLATES

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



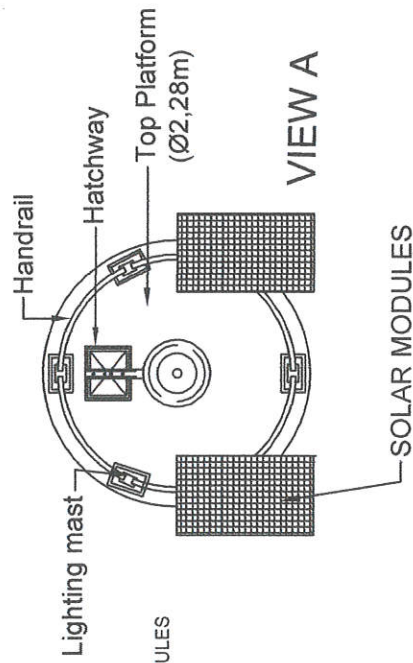
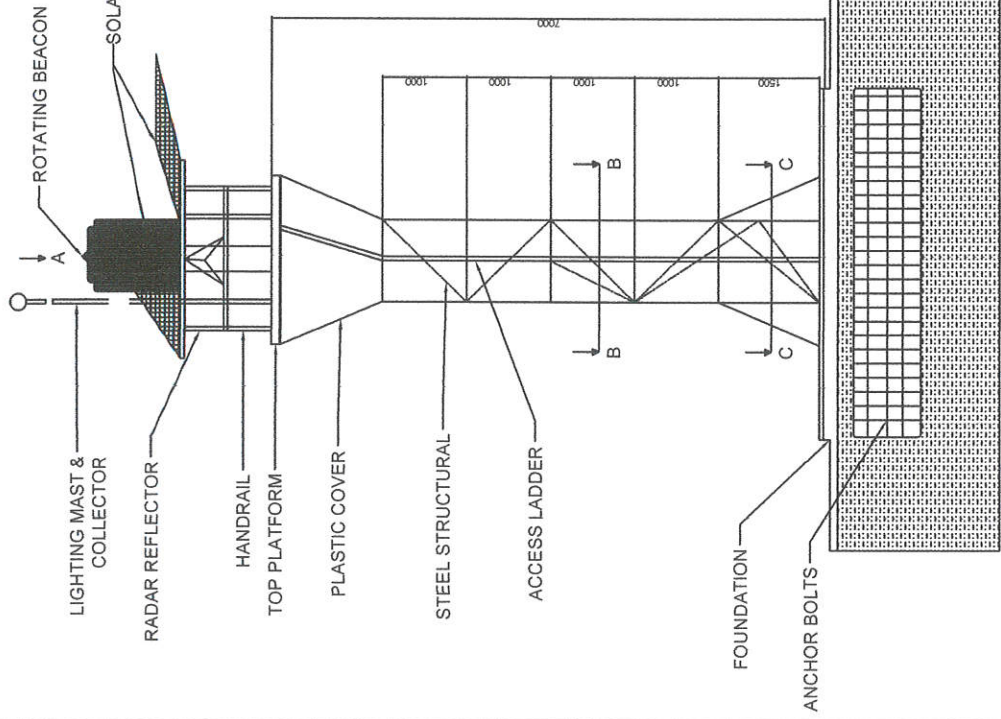
 PHILIPPINE COAST GUARD 1302 27th ST., PORT AREA, MANILA		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY OWNER : BRIGADIER GENERAL CALAYAN, CALAYAN PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY : CG PO James B. Lora POC CIVIL & STRUCTURAL BRANCH		REVISION :		APPROVED BY : CG CAPT PRUDENCIO C. PATRICIO JR. (SSC) Commander, CGIDS	
CHECKED BY : CG ENS. GARCIA CORREZ Head, Project Performance and Evaluation		RECOMMENDED BY : CG CDR RAY GABRIEL C. CALLO Deputy Commander, CGIDS		APPROVED BY :	
COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE					



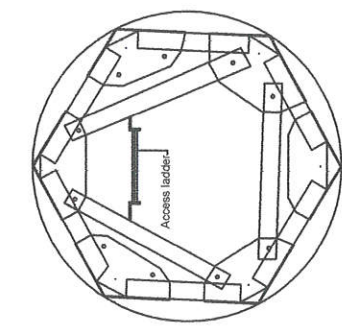
INTERNAL LADDER

NTS

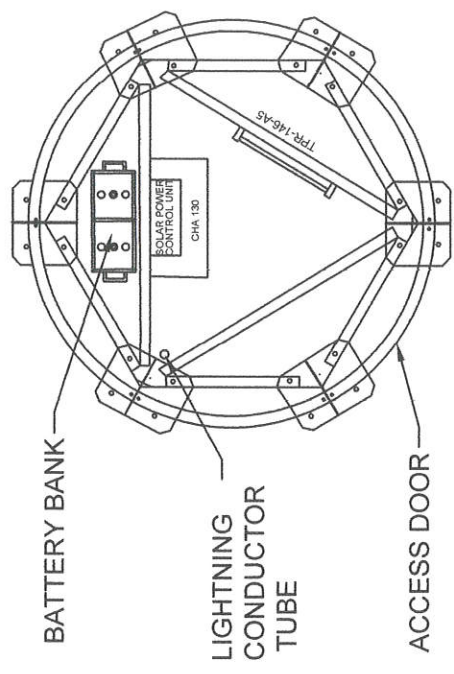
 PHILIPPINE COAST GUARD HEADQUARTERS (PANGLOSS) COAST GUARD 120 SOUTH PANGLOSS BRANCH		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY LOCATION : BRGY. BABUYAN CLARO CALAYAN, CAGAYAN OWNER : PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY CG POPTANES B. DIBBOY POIC CIVIL & STRUCTURAL BRANCH	REVISION	DATE	CHECKED BY  CG ENS EDUARDO B. DIBBOY Head, Project Performance and Evaluation	RECOMMENDED BY  CG CORRAL GARNET A. SAMALLO Deputy Commander, CGIC	APPROVED BY  CG CAPT PRUDENCIO C. PATRICIO JR. (SSC) Commander, CGIC



VIEW A



SECTION B-B'



SECTION C-C'

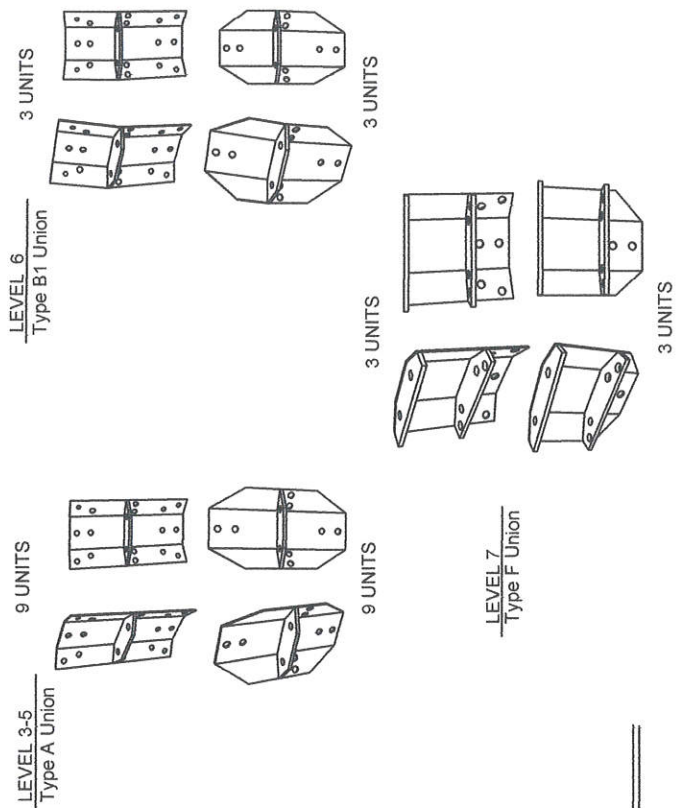
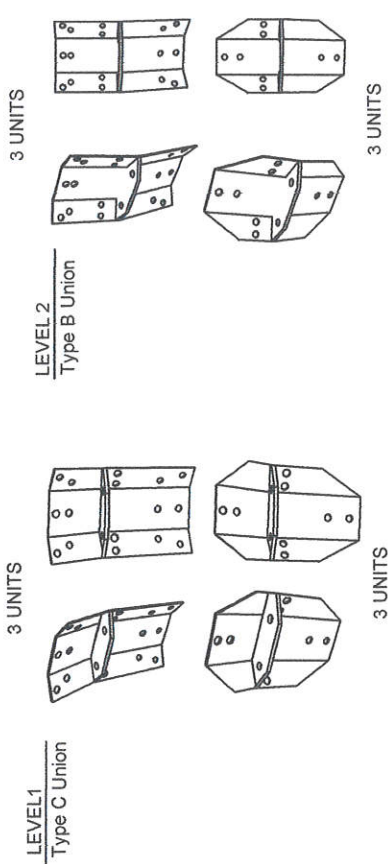
7 Meters LS

Height	7000mm
Base Diameter	2000mm
Tower Diameter	1200mm
Foundation Bolt PCD	1850mm
Number of Modules / Section	6

GENERAL DRAWING NTS

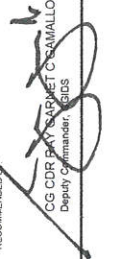
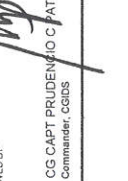
PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 138 SENATE TOWER, TAYLOR BUILDING		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION : BRGY. BABUYAN CLARO, CALAYAN, CAGAYAN OWNER : PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY : CG PO James B. Lohoy	CHECKED BY : CG ENS EDUARDO J. CORTEZ Head, Property Management and Utilization	RECOMMENDED BY : CG CDR RAY CARINET C. SALLALO Deputy Commander, CGIS	APPROVED BY : CG CAPT PRUDENCIO C. PATRICIO JR. (SSC) Commander, CGIS		
REVISION	DATE				

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
Union clamps Type B	Type A union thickness=8mm	LEVEL 3
Union clamps Type B	Type B union thickness=10mm	LEVEL 2
Union clamps Type A	Type C union thickness=14mm	LEVEL 1

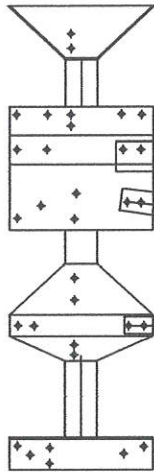


UNION PLATES DETAILS

NTS

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 100 STATE STREET, PORT AREA, MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY	SHEET NO.
LOCATION: BRGY. BABUYAN CLARO, CALAYAN, CAGAYAN		OWNER: PHILIPPINE COAST GUARD		PREPARED BY: CG P-033, JAMES B. LUGAY POIC CIVIL & STRUCTURAL BRANCH	CHECKED BY:  CG ENR. JAMES B. LUGAY Head, Performance and Evaluation
REVISION:		DATE:		RECOMMENDED BY:  CG CDR RAY C. SARMI Deputy Commander, CGDS	APPROVED BY:  CG CAPT PRUDENIO C. PATRICIO JR. (GSC) Commander, CGDS

UNION A

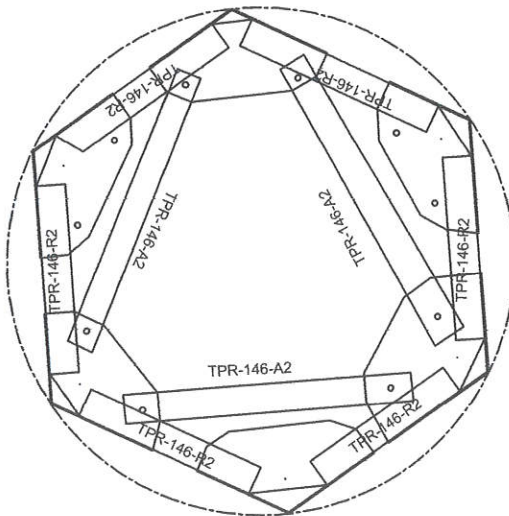
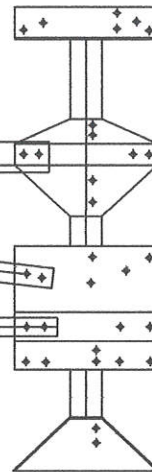


TPR-146-M2

TPR-146-D2

TPR-146-M2

UNION A



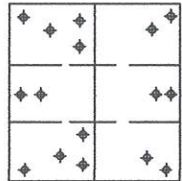
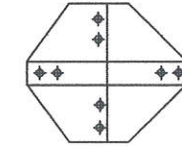
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TPR-146-R2

TPR-146-A2

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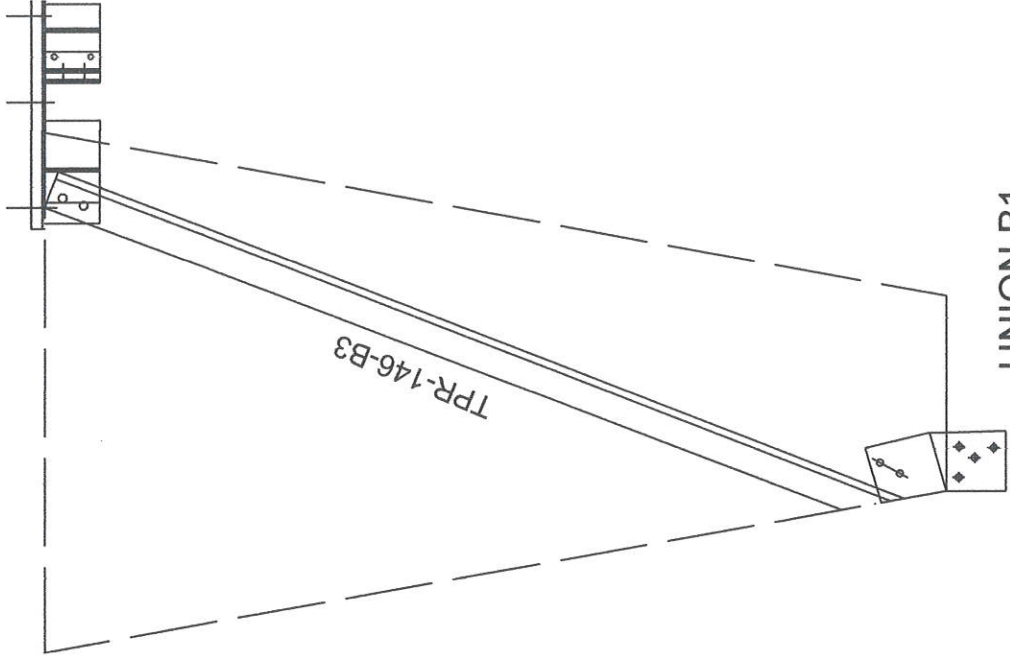


UNION A

CENTRAL MODULES

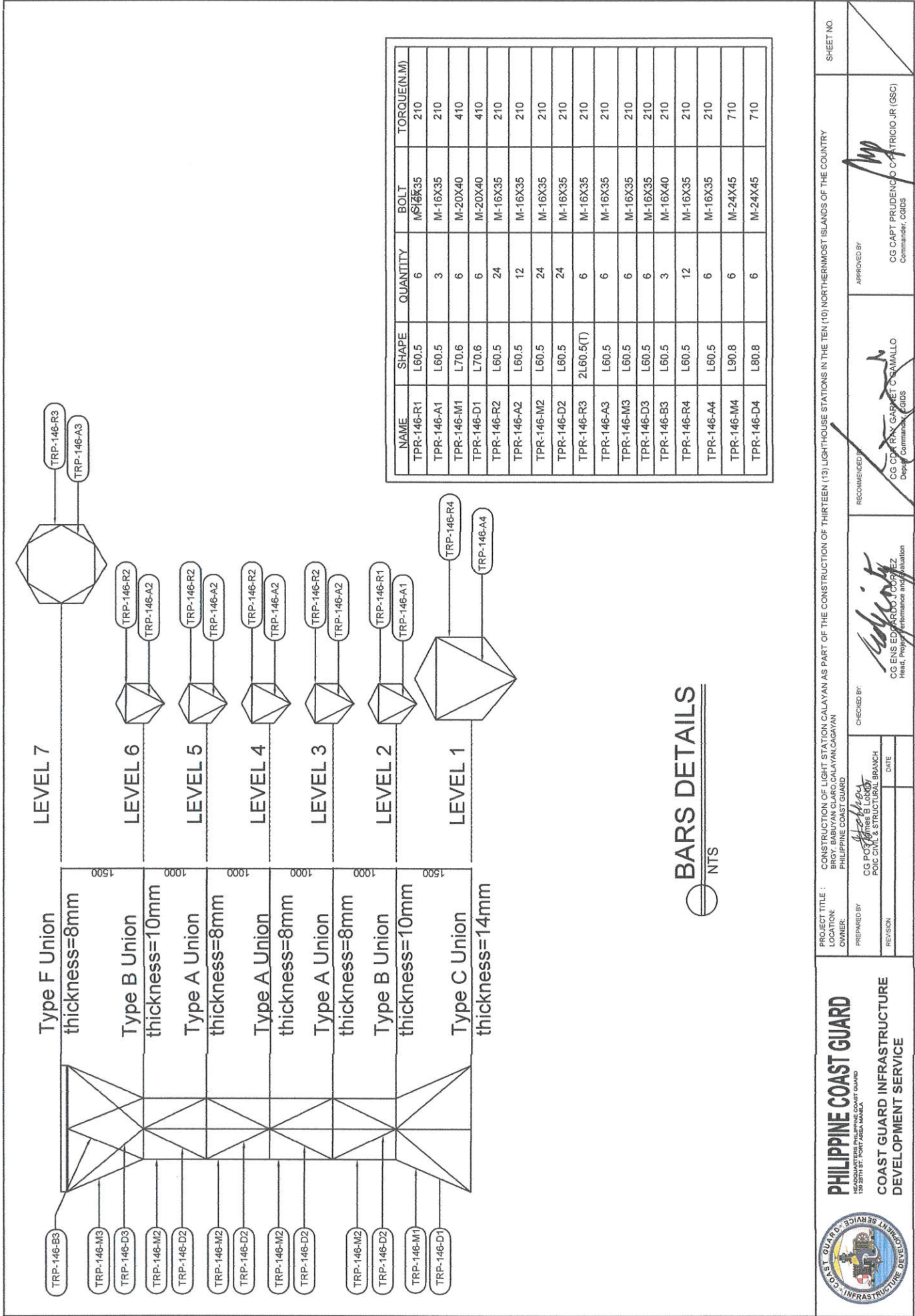
TOP PLATFORM
CENTRAL SUPPORT

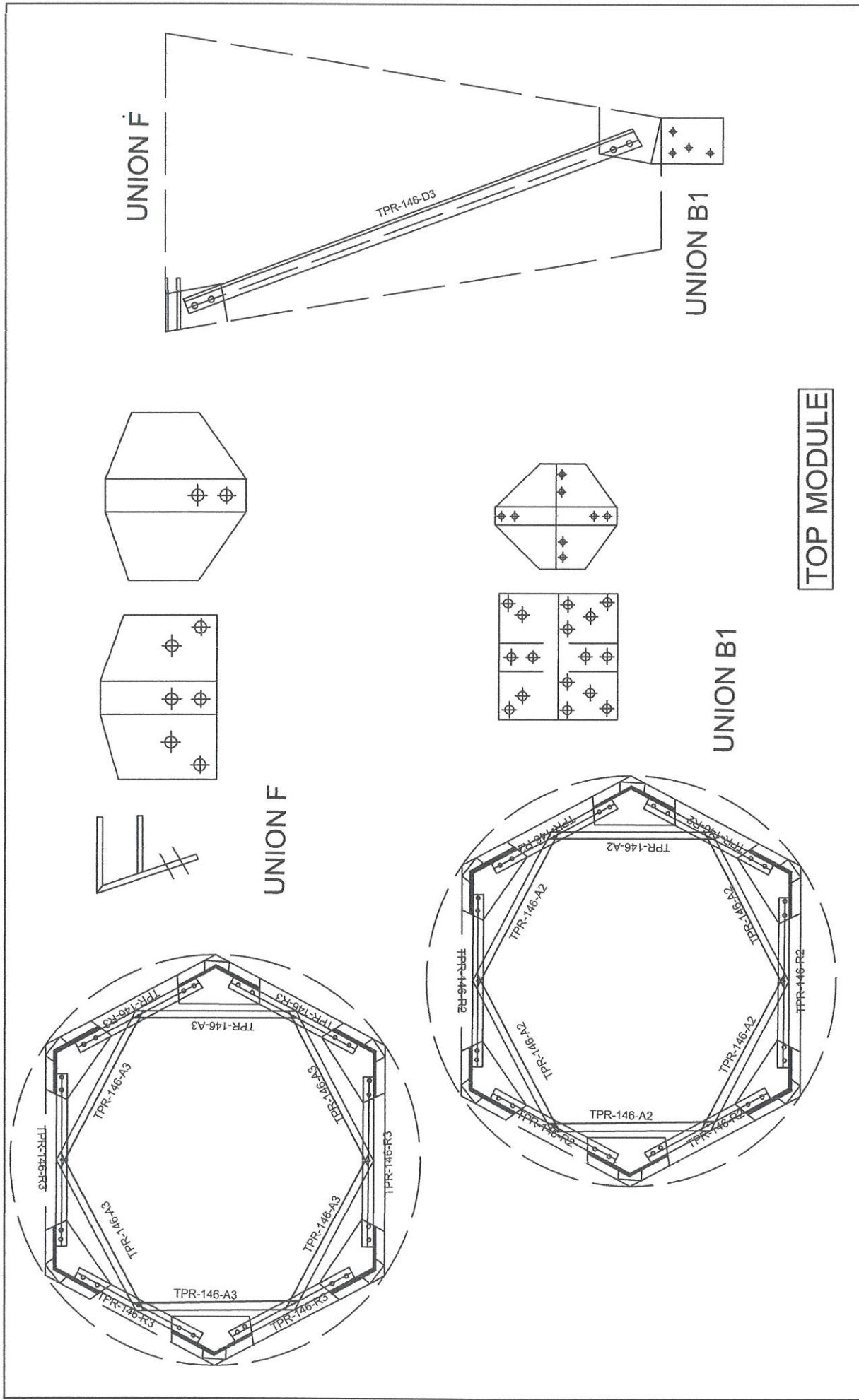
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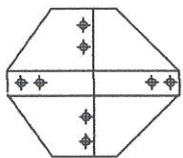
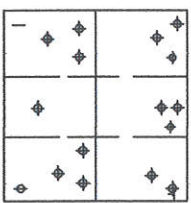
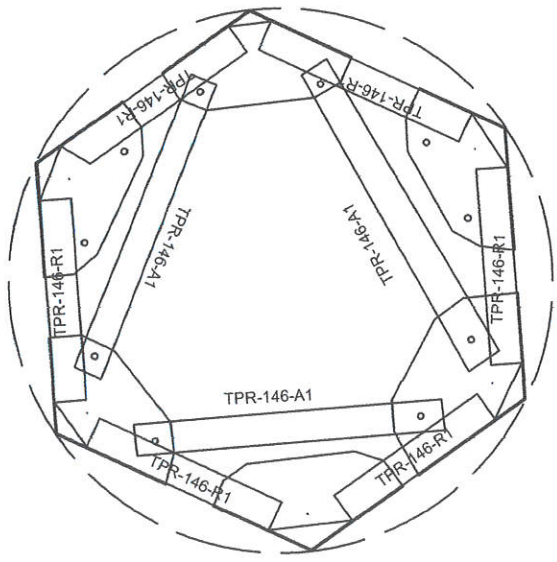
TPR-146-B3

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 138 SOUTH TOWN AVENUE, MANILA COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION : BRGY. BABUYAN CLARO CALAYAN, CAGAYAN OWNER : PHILIPPINE COAST GUARD PREPARED BY : <i>James B. Lugo</i> POIC CIVIL & STRUCTURAL BRANCH REVISION : _____ DATE : _____		CHECKED BY : <i>Ady</i> CG ENS. EDUARDO C. GONZALEZ Head, Project Performance and Evaluation	RECOMMENDED BY : <i>CG CAPT. RAY GABRIEL CAMALLO</i> Deputy Commander, CGIDS	APPROVED BY : <i>CG CAPT. PRUDENCIO C. PATRICIO JR. (SSC)</i> Commander, CGIDS	SHEET NO. _____
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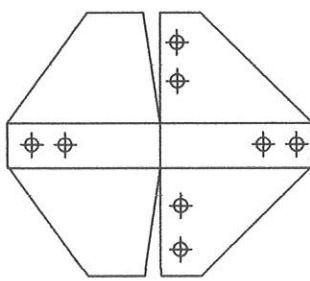
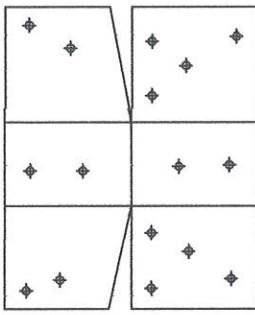
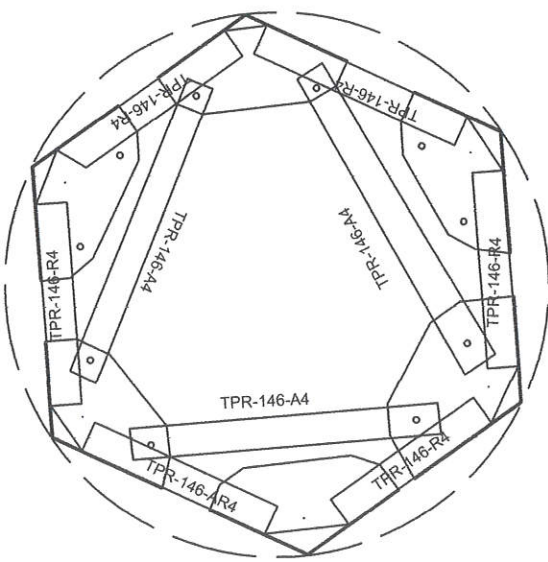




 PHILIPPINE COAST GUARD COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY LOCATION : BRGY. BABUYAN CLARO, CALAYAN, CAGAYAN OWNER : PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY : CG PO3 James B. Lugo POIC CIVIL & STRUCTURAL BRANCH	CHECKED BY : <i>[Signature]</i> CG CAPT RAY GARNET C. GAMBALLO Deputy Commander, CGIDS	RECOMMENDED BY : <i>[Signature]</i> CG CAPT PRUDENCIO C. ATRICIO JR (GSC) Commander, CGIDS	APPROVED BY : <i>[Signature]</i>		
REVISION :	DATE :	Head, Project Performance and Evaluation			

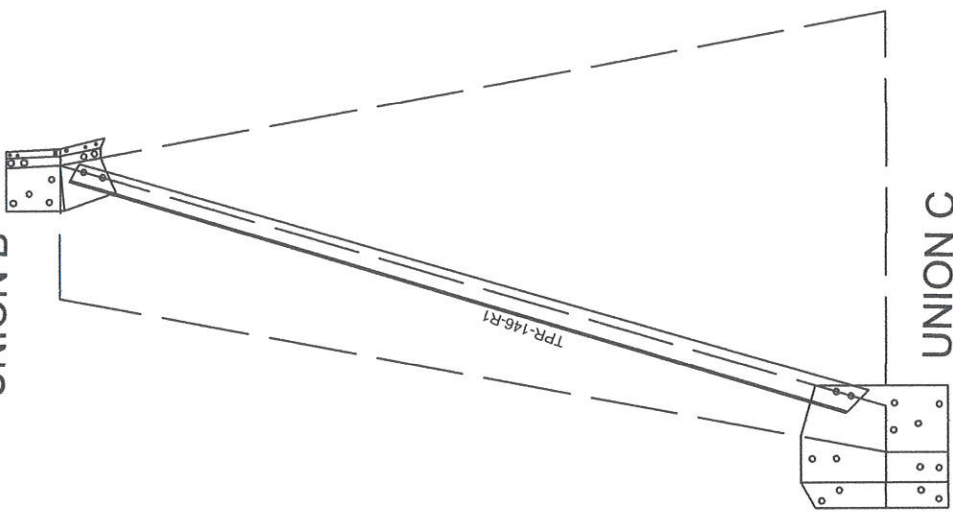


UNION B



UNION C

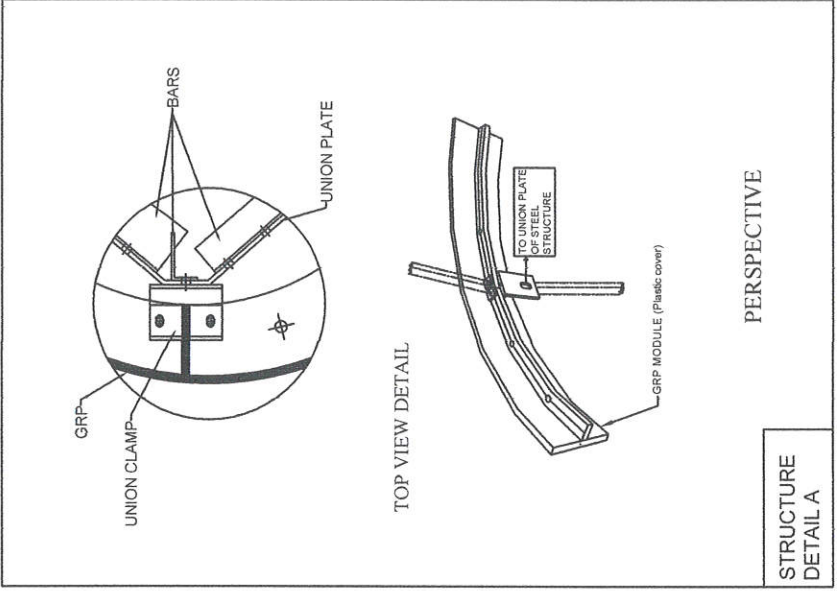
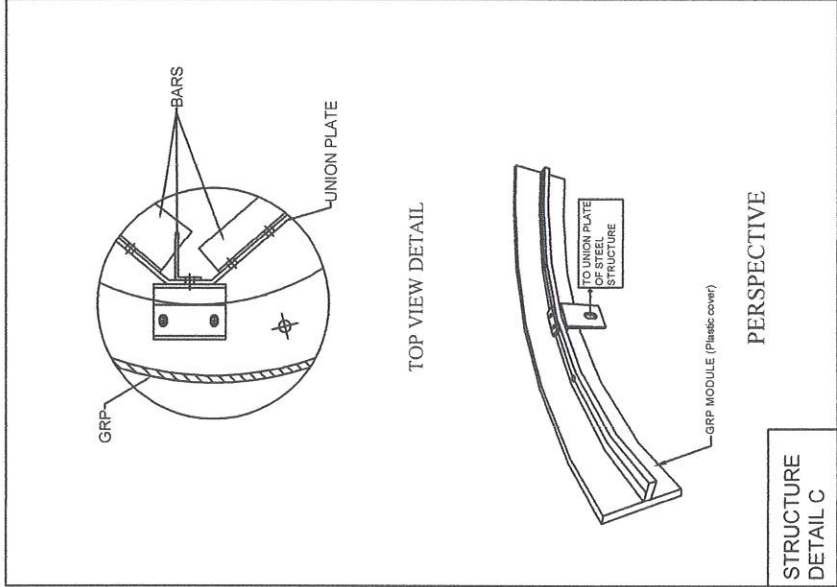
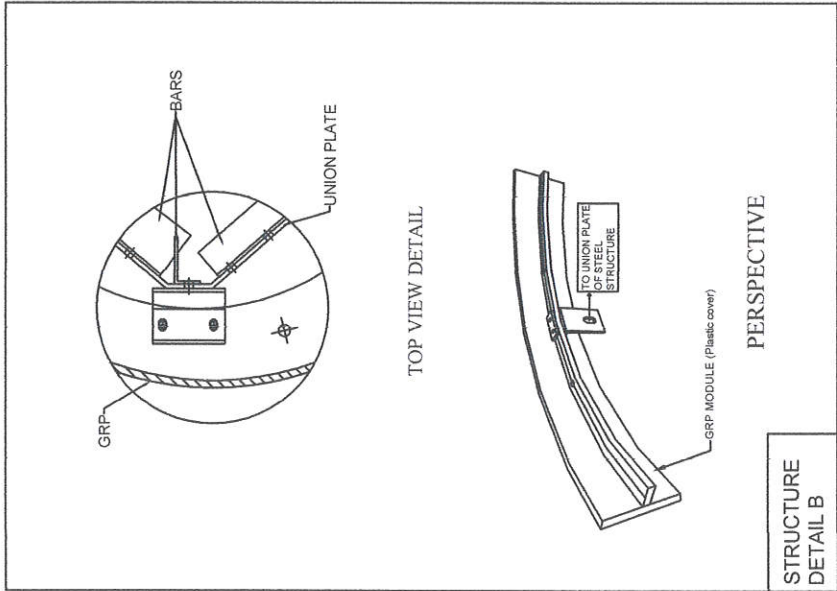
UNION B



UNION C

**CONE TRUNCATED
MODULE-2**

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 138 SOUTH EIGHT PORT AREA MANILA		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. BABUYAN CLARO, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY: CG PO James B. Loday REVISION:		CHECKED BY: <i>Ading</i> CG ENS EDUARDO COPIZ Head, Project Performance and Evaluation		APPROVED BY: <i>My</i> CG CAPT PRUDENCIO C. PATRICIO JR (GSC) Commander, CGDS	



PHILIPPINE COAST GUARD
HEADQUARTERS PHILIPPINE COAST GUARD
138 SOUTH PORT FERN MINEA
**COAST GUARD INFRASTRUCTURE
DEVELOPMENT SERVICE**

PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY
LOCATION: BRGY. BABUYAN GLARO, CALAYAN, AGAYAN
OWNER: PHILIPPINE COAST GUARD

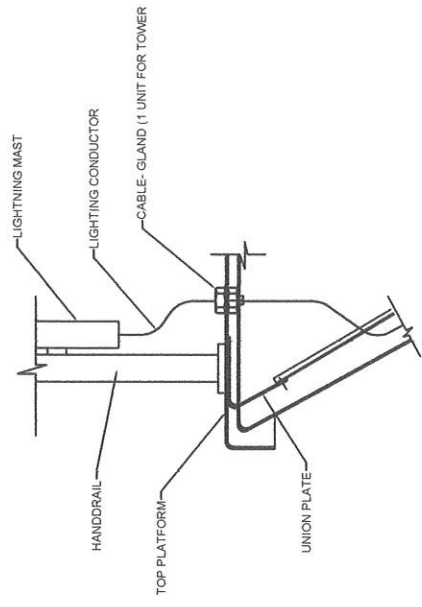
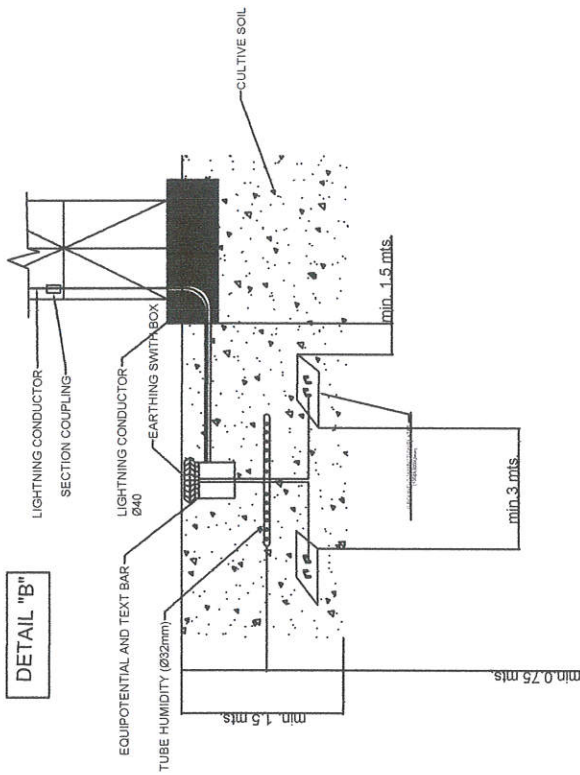
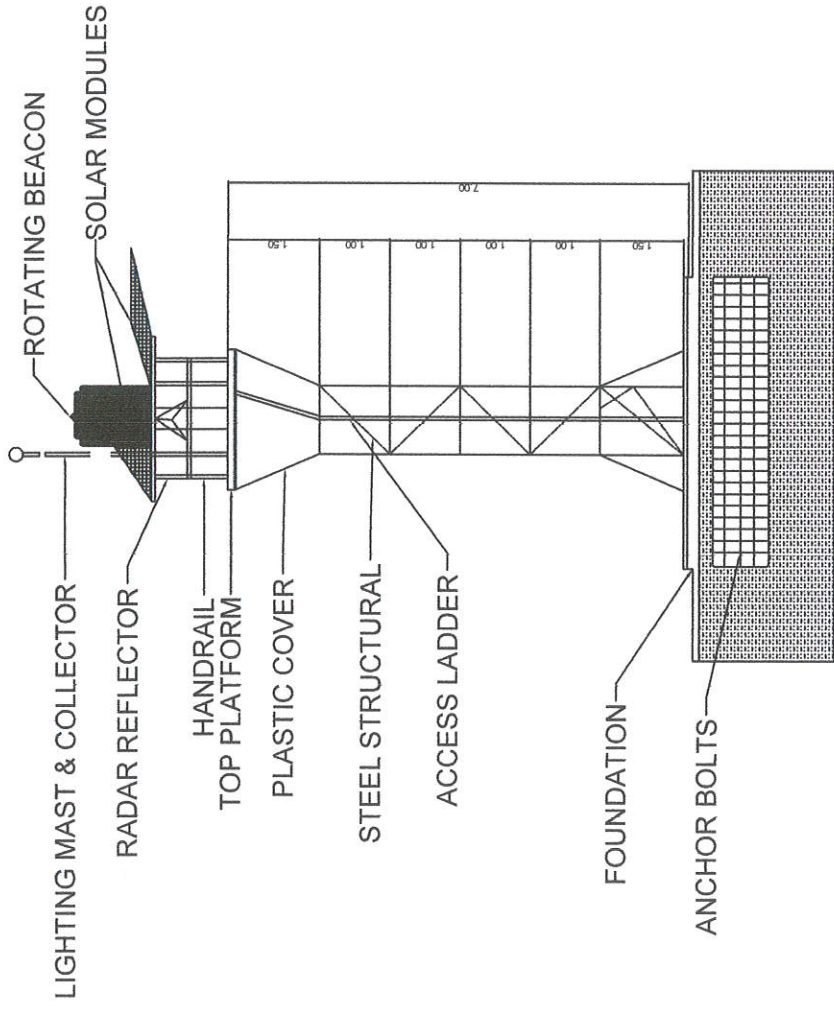
PREPARED BY: *[Signature]*
CG POC
POIC CIVIL & STRUCTURAL BRANCH

CHECKED BY: *[Signature]*
CG EAST FOR PORT & INFRA
Head, Project Performance and Evaluation

RECOMMENDED BY: *[Signature]*
CG SPERRY GABRIEL C. GANALLO
Deputy Commander, CGDS

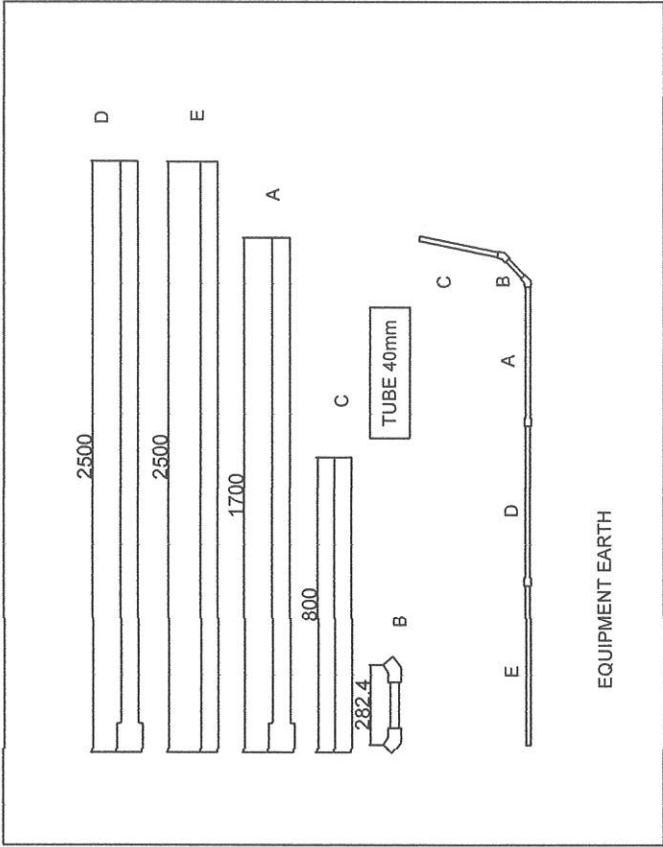
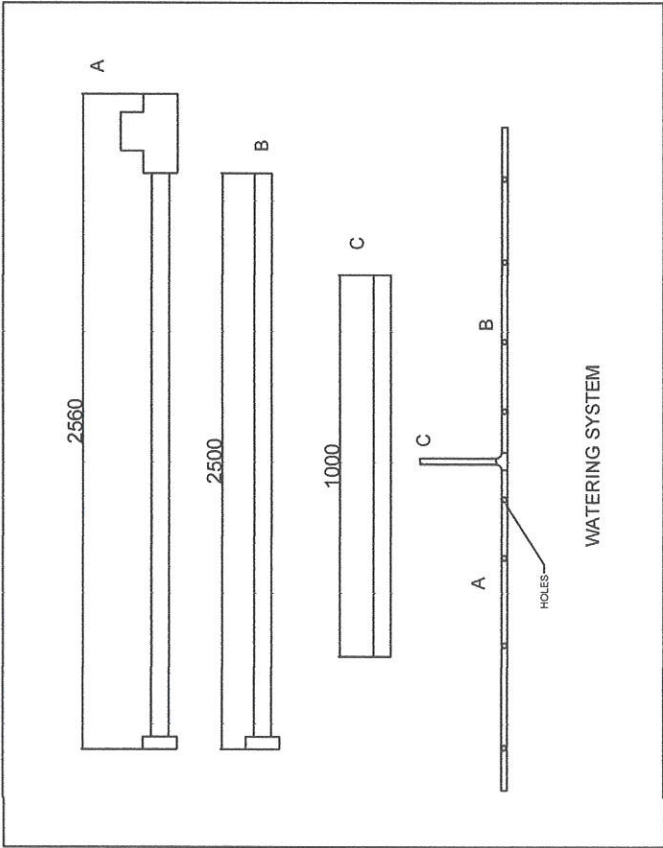
APPROVED BY: *[Signature]*
CG CAPT. PRUDENCIO C. PATRICIO JR. (GSC)
Commander, CGDS

SHEET NO.



GROUNDING PROTECTION SYSTEM NTS

PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 125 SOUTH ST. PORT JESU MANILA COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION : BRGY. BABUYAN CLARO, CALAYAN, CAGAYAN OWNER : PHILIPPINE COAST GUARD PREPARED BY : <i>James B. Lopez</i> CG PO James B. Lopez POIC CIVIL & STRUCTURAL BRANCH REVISION : _____ DATE : _____		CHECKED BY : <i>Edgardo J. Corpuz</i> CG ENS EDGARDO J. CORPUZ Head, Planning and Evaluation	RECOMMENDED BY : <i>CG CAPT PRUDENCIO C. SINALLO</i> CG CAPT PRUDENCIO C. SINALLO Deputy Commander, CGOS	APPROVED BY : <i>CG CAPT PRUDENCIO C. SINALLO</i> CG CAPT PRUDENCIO C. SINALLO Commander, CGOS	SHEET NO. _____
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PHILIPPINE COAST GUARD
HEADQUARTERS PHILIPPINE COAST GUARD
138 SOUTH FORT ARA MANILA

COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE

PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY
LOCATION: BRGY. BABUYAN CLARO, CALAYAN, AGAYAN
OWNER: PHILIPPINE COAST GUARD

PREPARED BY: CG PO James B. Lito
POIC CIVIL & STRUCTURAL BRANCH

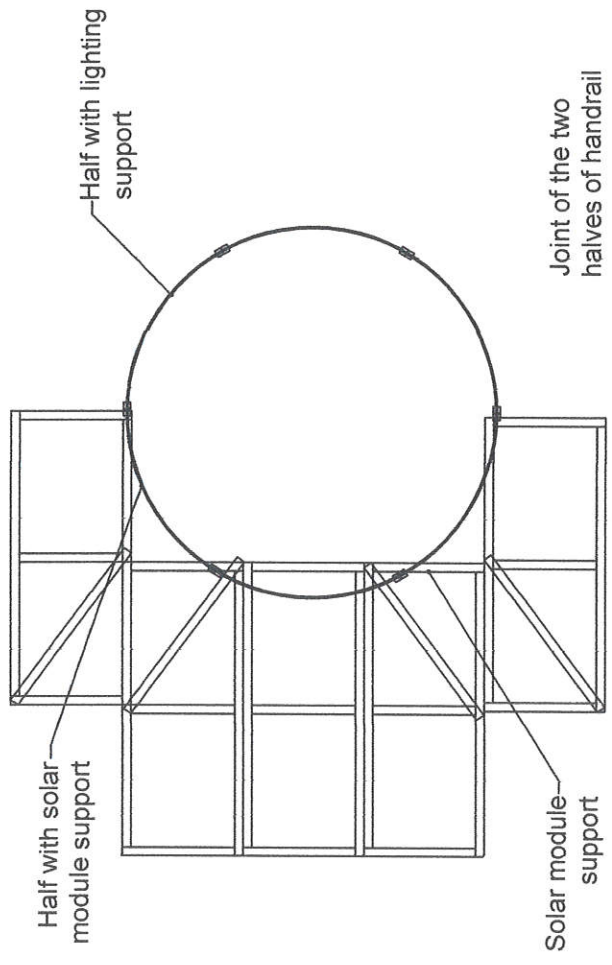
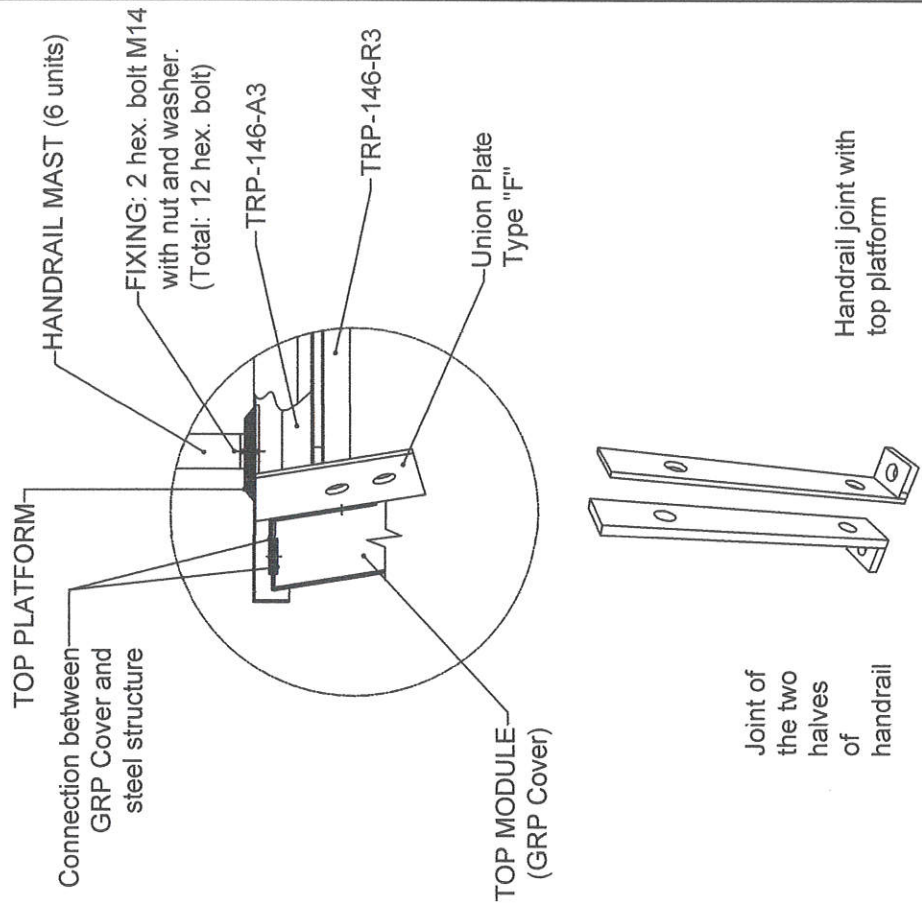
REVISION: DATE

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

RECOMMENDED BY: *[Signature]*
CG CAPT. RAY G. GAMALLO
Deputy Commander, CGDS

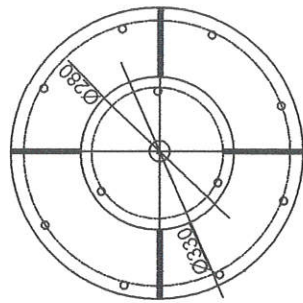
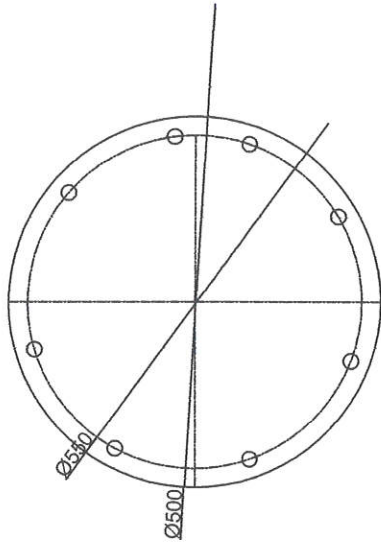
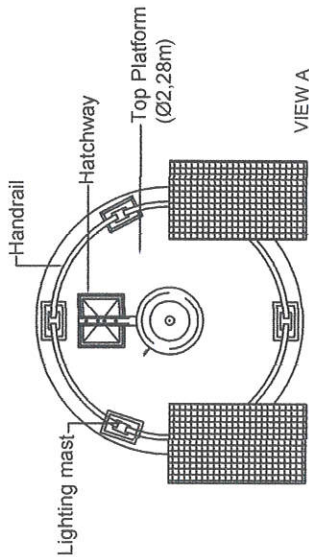
APPROVED BY: *[Signature]*
CG CAPT. PRUDENCIO C. PATRICIO, JR. (GSC)
Commander, CGDS

SHEET NO.

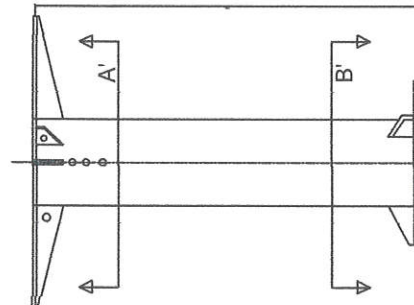
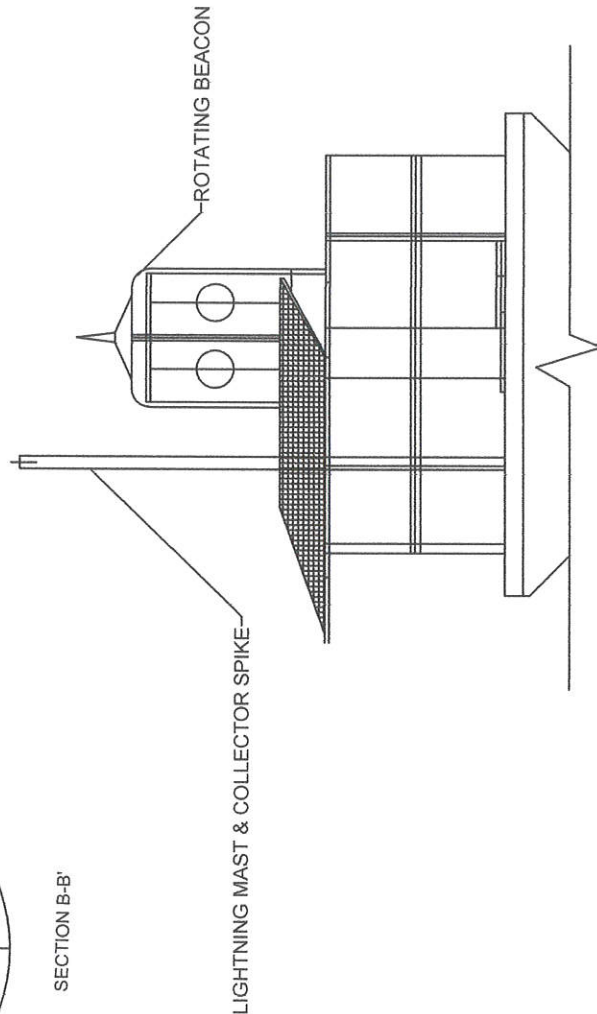


PROTECTION HANDRAIL NTS

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 138 SOUTH ST. PORT AREA MANILA COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. BABUYAN CLARO, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY: <i>James B. Lashoy</i> POIC CIVIL & STRUCTURAL BRANCH	CHECKED BY: <i>Edgardo J. C. Tez</i> CG ENS EDUARDO J. C. TEZ Head, Project Performance Unit	RECOMMENDED BY: <i>CG CUBRAY GARRIN</i> CG CUBRAY GARRIN Deputy Commander, CGDS	APPROVED BY: <i>CG CAPT PRUDENCIO C. PATRICIO JR.</i> CG CAPT PRUDENCIO C. PATRICIO JR. (GSC) Commander, CGDS		
REVISION	DATE				



SECTION B-B'

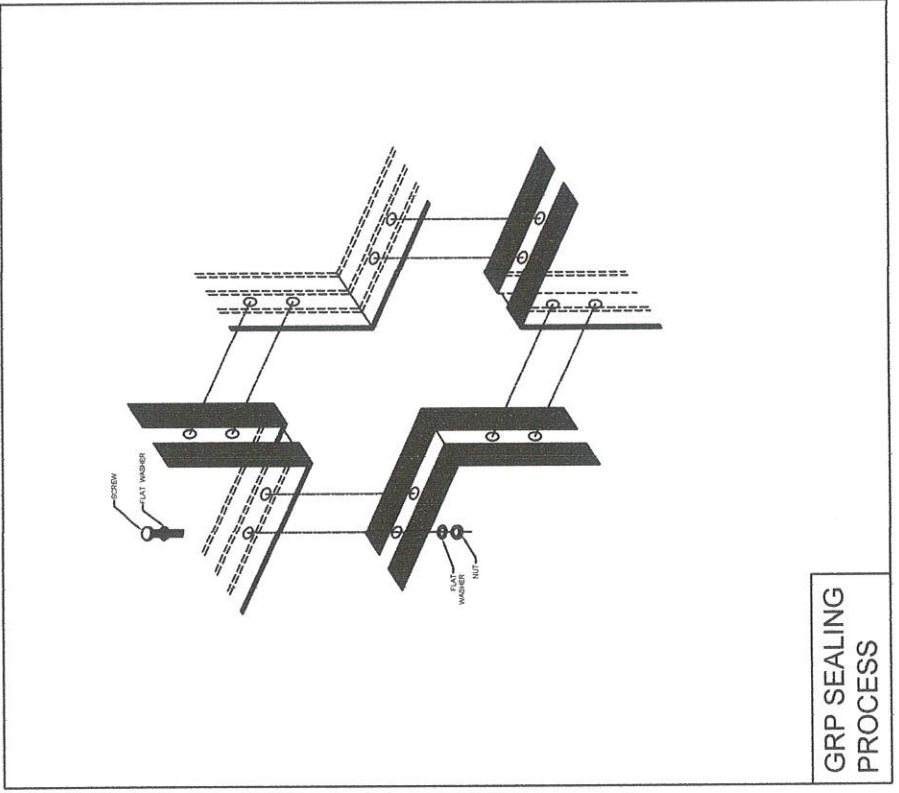
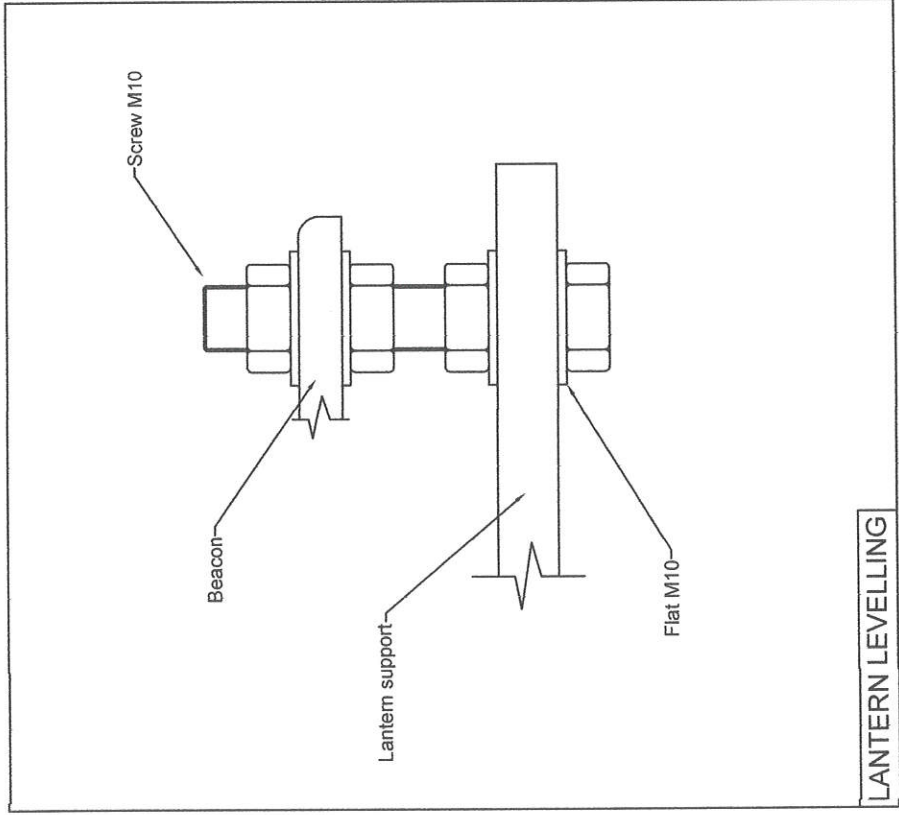


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 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 132 SOUTH ST. PORT MARIKINA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY	SHEET NO.	
LOCATION: BRGY. BABUYAN CLARO, CALAYAN, CAGAYAN	OWNER: PHILIPPINE COAST GUARD	PREPARED BY: CG PO James B. Lohoy	POIC CIVIL & STRUCTURAL BRANCH	CHECKED BY: <i>[Signature]</i> CG ENSIGNED OFFICER Head, Physical Planning and Utilization	RECOMMENDED BY: <i>[Signature]</i> CG CORAN SARINET C. SAMALLO Deputy Commander, CGUS	APPROVED BY: <i>[Signature]</i> CG CAPT PRUDENZO C. PATRICIO JR. (GSC) Commander, CGUS
REVISION	DATE					



 PHILIPPINE COAST GUARD 150 20TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LIGHT STATION CALAYAN AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: BRGY. BABUYAN CLARO, CALAYAN, CAGAYAN OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY CG POC James B. Llanoy POIC CIVIL & STRUCTURAL BRANCH	REVISION DATE	CHECKED BY CG ENS EDGARDO S. Llanoy Head of Performance and Evaluation	RECOMMENDED BY CG CORP. JAMES C. SAMPALLO Deputy Commander, CGIDS	APPROVED BY CG CAPT PRUDENCIO C. PATRICIO JR. (SSC) Commander, CGIDS	