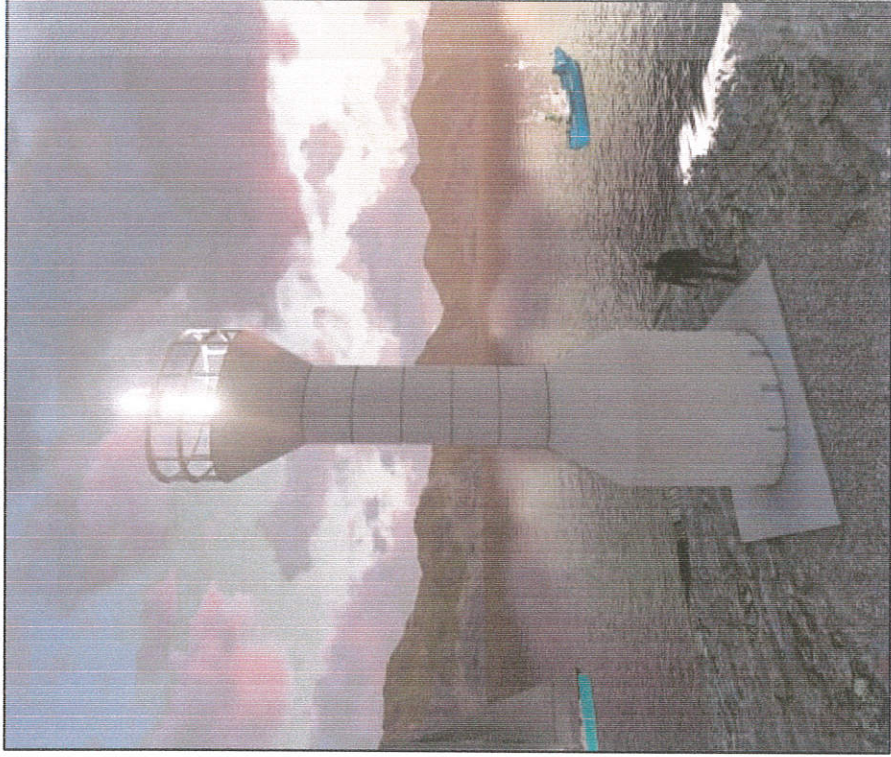
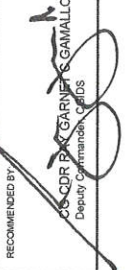
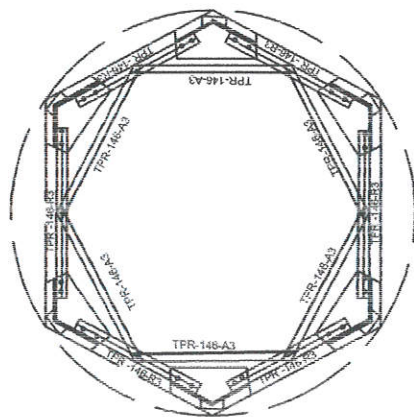




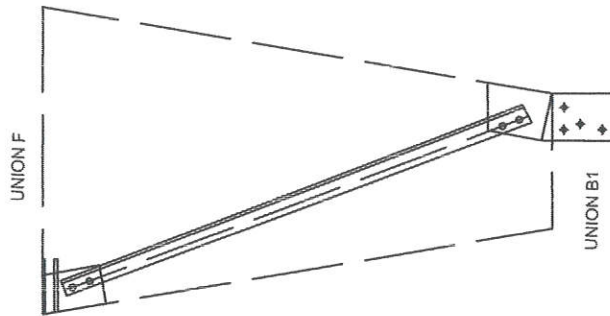
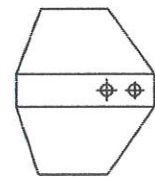
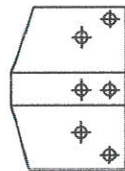
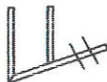
SITE DEVELOPMENT PLAN

PERSPECTIVE

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 159 25TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LS DINEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: DIOGODINEM ISLAND, ITBAYAT, BATANES OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY CG CGNO Reynor Aon Pascual Estimator/CAG Operator, CGIDS		CHECKED BY:  CG ENS EDGARDO G. GARCIA Head, Project Performance and Evaluation		RECOMMENDED BY:  CG CDR PAUL GARNIER S. GAMALLO Deputy Commander, CGIDS		APPROVED BY:  CG CAPT PRUDENCIO C. PATRICIO JR. (GSC) Commander, CGIDS	

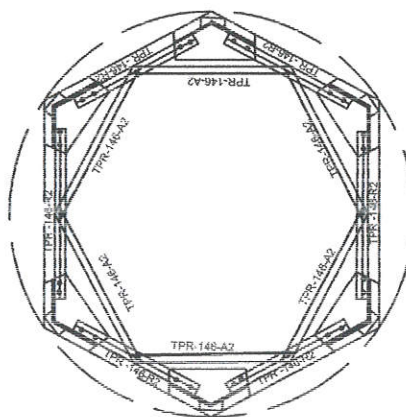


UNION F

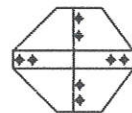
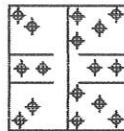


UNION F

UNION B1



UNION B1



PHILIPPINE COAST GUARD
1300 MANILA AVENUE, 3RD FLOOR, MANILA
1200 MANILA AVENUE, 3RD FLOOR, MANILA
1200 MANILA AVENUE, 3RD FLOOR, MANILA

COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE



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

LOCATION : DIOSDADINEM ISLAND, ITABAYAT, BATANES

OWNER : PHILIPPINE COAST GUARD

PREPARED BY : CG LCDR RAYMOND ACE PASCUAL

REVISION : Estimate/CAD Operator, CGIDS

DATE :

CHECKED BY : CG ENS EDGARDO JOSE REYES
Head Project Performance and Evaluation

RECOMMENDED BY : CG CDR RAY GABRIEL C. GAMALLO
Deputy Commander, CGIDS

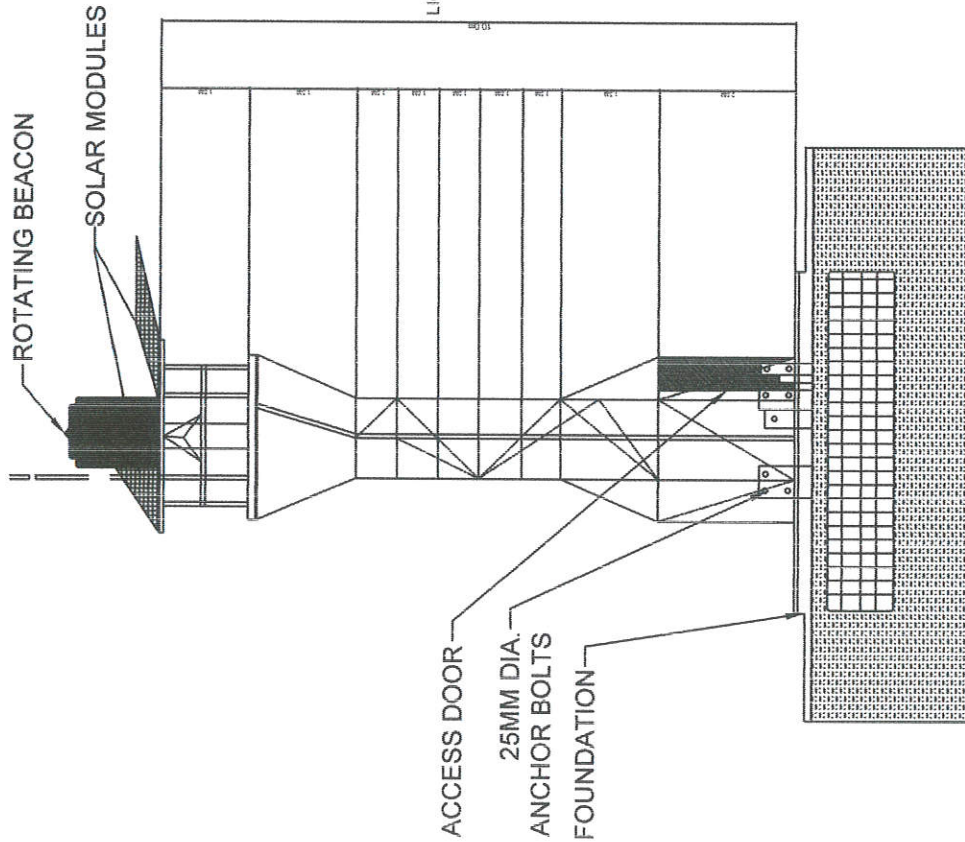
APPROVED BY : CG CAPT PRUDENCIO C. PATRICIO JR. (GSC)
Commander, CGIDS

SHEET NO.

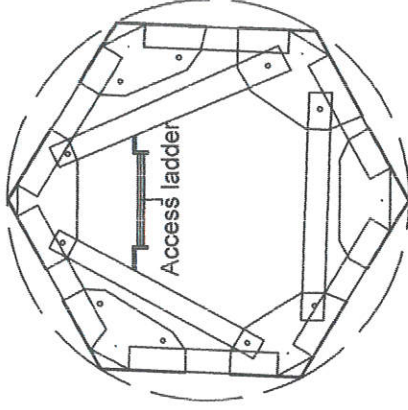


 PHILIPPINE COAST GUARD DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS	PROJECT TITLE : CONSTRUCTION OF 15 DINEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY		SHEET NO.
	LOCATION : DINAGHORN ISLAND, TBATAT, BATASES PHILIPPINE COAST GUARD	APPROVED BY: <i>[Signature]</i> CG CAPT PRUDENCIO C PATRICIO JR (GSC) Commanding CGCS	
COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE	PREPARED BY <i>[Signature]</i> CG DESNO RAYMOND ACE PASQUAL Battalion/AC Operator, CGCS	RECOMMENDED BY: <i>[Signature]</i> CG CDR RANGEL M GAVALLO Battalion/Commanding CGCS	DATE
	REVISION	CG BNS EDGARDO J CORTIZ Head Project and Manual and Liaison Division	

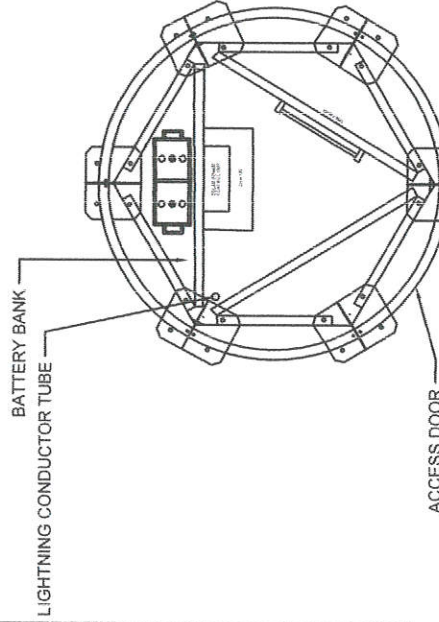
GENERAL DRAWING



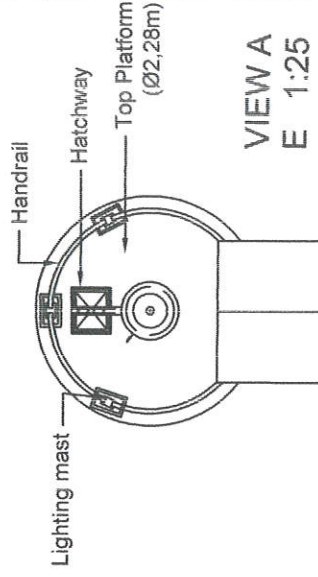
TOWER DESCRIPTION	DIMENSION
HEIGHT	1000mm
BASE DIAMETER	2000mm
TOWER DIAMETER	1200mm
FOUNDATION BOLT PCD	1850mm
NUMBER OF MODULES/SECTIONS	8



SECTION B-B'
E 1:15



SECTION C-C'
E 1:25



VIEW A
E 1:25

PHILIPPINE COAST GUARD
HEADQUARTERS PHILIPPINE COAST GUARD
139 28TH ST. PORT AREA MANILA

**COAST GUARD INFRASTRUCTURE
DEVELOPMENT SERVICE**



PROJECT TITLE : CONSTRUCTION OF LS DINEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY
LOCATION : DIOSDADINEM ISLAND, ITBAYAT, BATANES
OWNER : PHILIPPINE COAST GUARD

PREPARED BY : CG CECILIO RAYNOR ACE PASCUAL
Estimator/CAD Operator, CGIDS

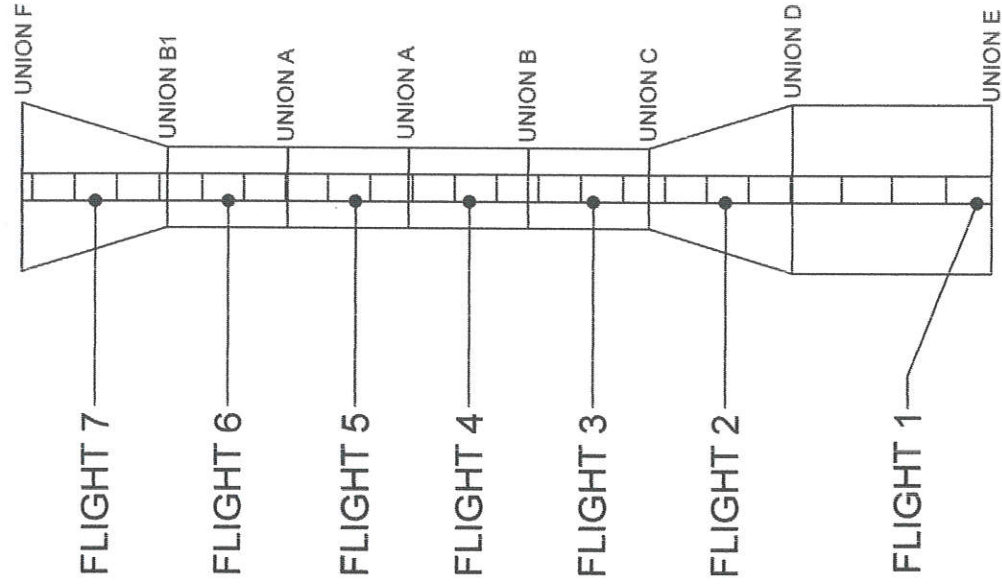
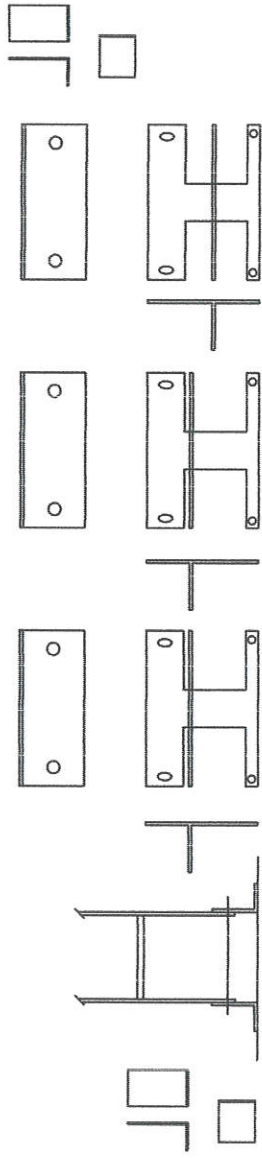
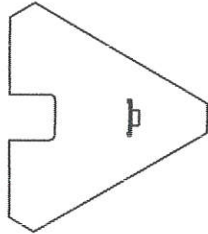
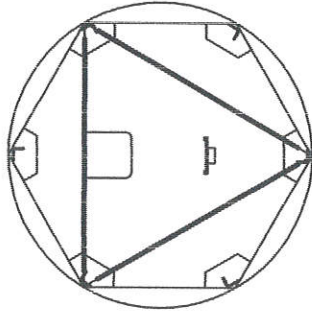
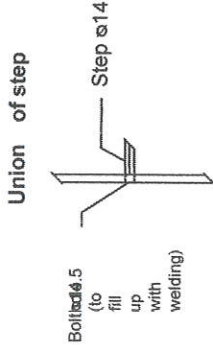
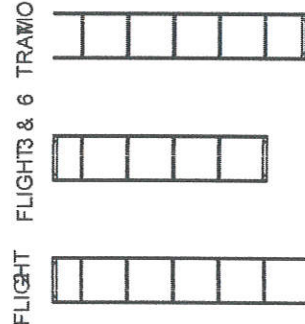
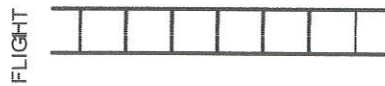
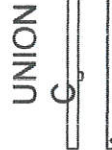
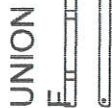
REVISION :
DATE :

CHECKED BY :
CG GENARO RAYNOR ACE PASCUAL
Head Project Performance and Evaluation

RECOMMENDED BY :
CG GORDON GARNER C GAMALLO
Deputy Commander, CGIDS

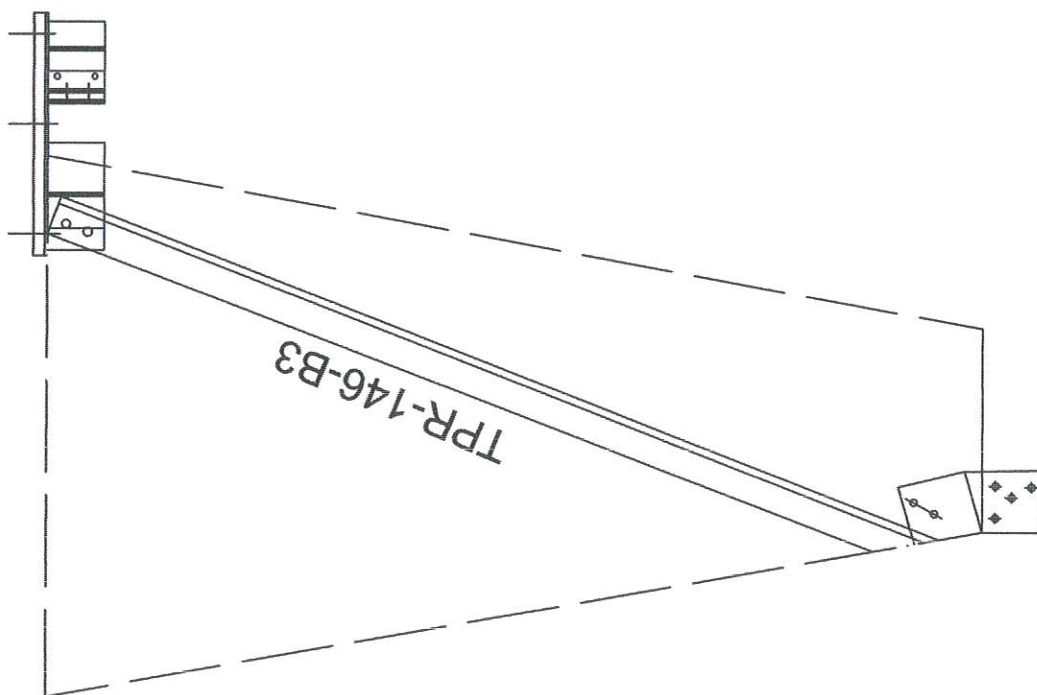
APPROVED BY :
CG CAPT PRUDENCIO C PATRICIO JR (GSC)
Commander, CGIDS

SHEET NO

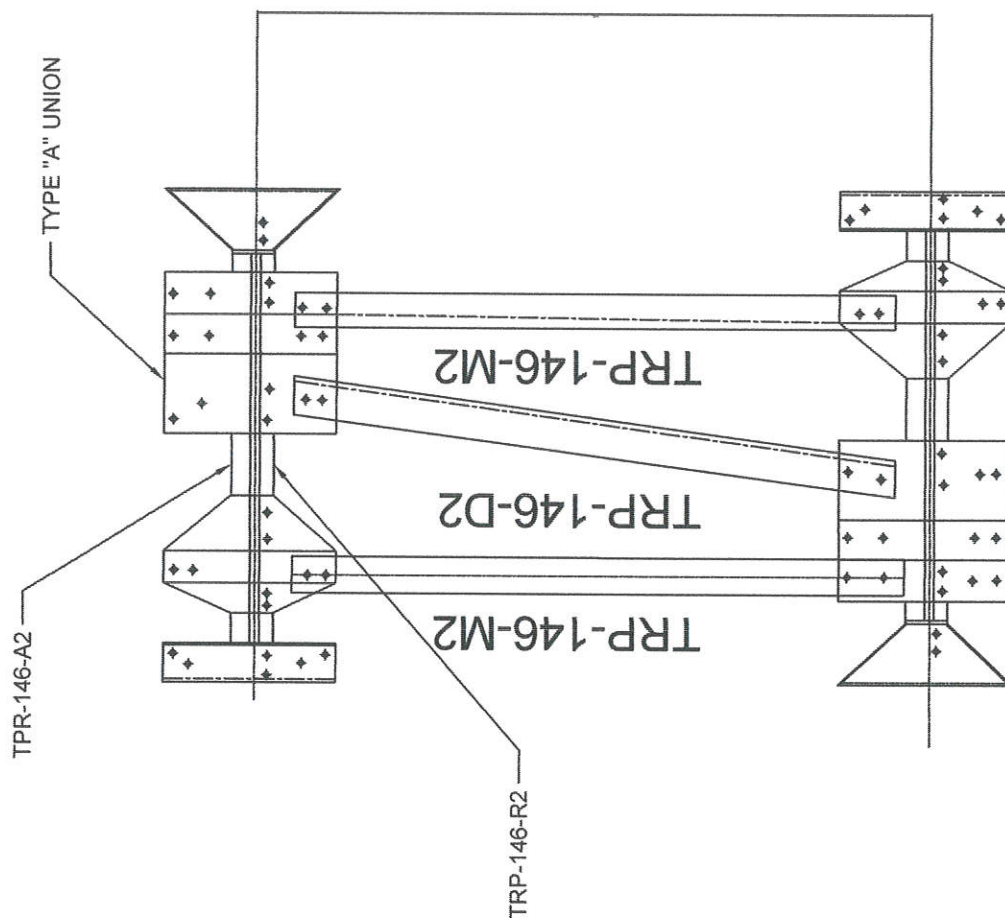


INTERNAL LADDER

		PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 129 25TH ST. PORT AREA MANILA	
COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		CONSTRUCTION OF 13 DINEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY	
PROJECT TITLE :		DIOSODINEM ISLAND, ITABAYAT, BATANES	
LOCATION :		PHILIPPINE COAST GUARD	
OWNER :		CG CDR RAYMOND ACE PASCUAL Estimator/CAD Operator, CGIDS	
PREPARED BY :		CG ENS EDUARDO J. CORTIZ Head, Project Performance and Evaluation	
REVISION :		DATE :	
RECOMMENDED BY :		CG CDR RAY GARNET S. GAMALLO Deputy Commander, CGIDS	
APPROVED BY :		CG CAPT PRUDENCIO C. PATRICIO JR. (GSC) Commander, CGIDS	
SHEET NO.		SHEET NO.	

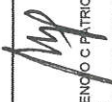


UNION B1

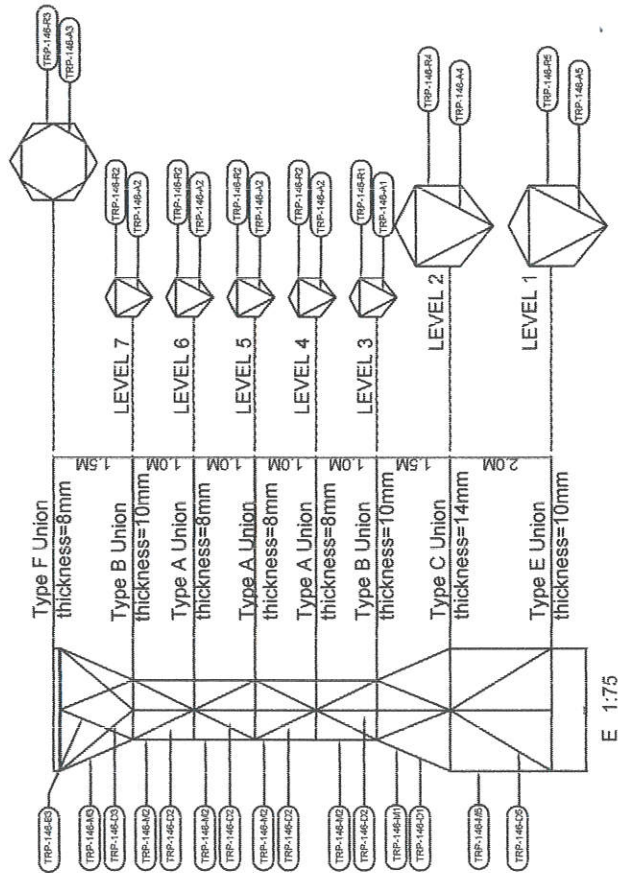


JOINT DETAIL

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 DINEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: DICODINEM ISLAND, ITBAYAT, BATANES OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY : CG CGCNO RAYOR TAY Presoual E-Infrastruc-Dev. Services, CGDS		CHECKED BY :  CG ENS EDGARDO J. SORIANO Head, Program Performance and Evaluation		RECOMMENDED BY :  CG CAPT RAN GARNET OGAMALLO Deputy Commander, CGDS		APPROVED BY :  CG CAPT PRUDENCIO C. PATRICIO JR. (GSC) Commander, CGDS	

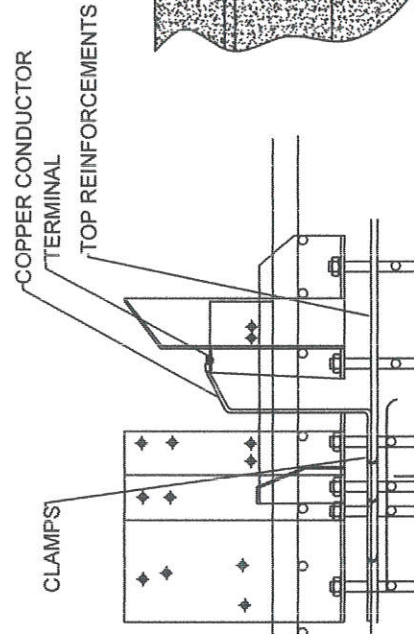
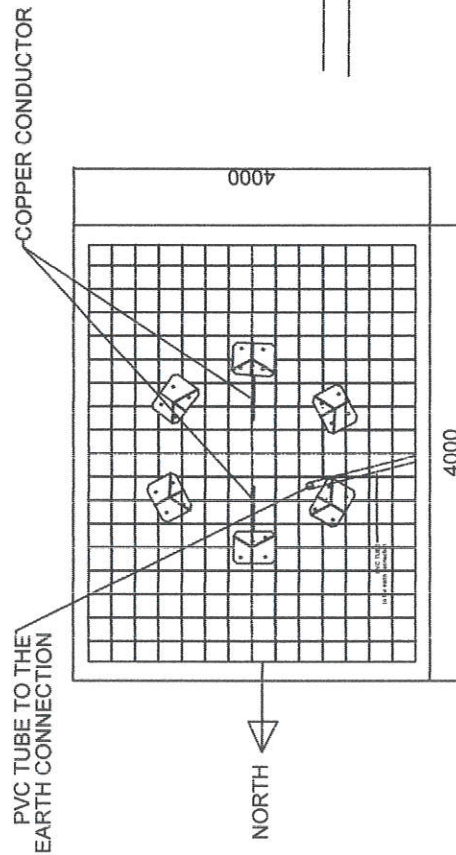
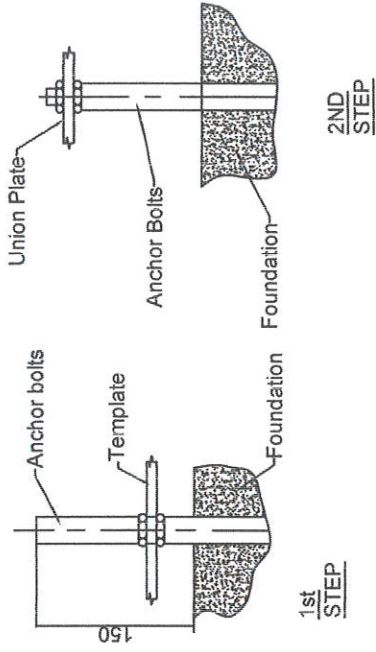
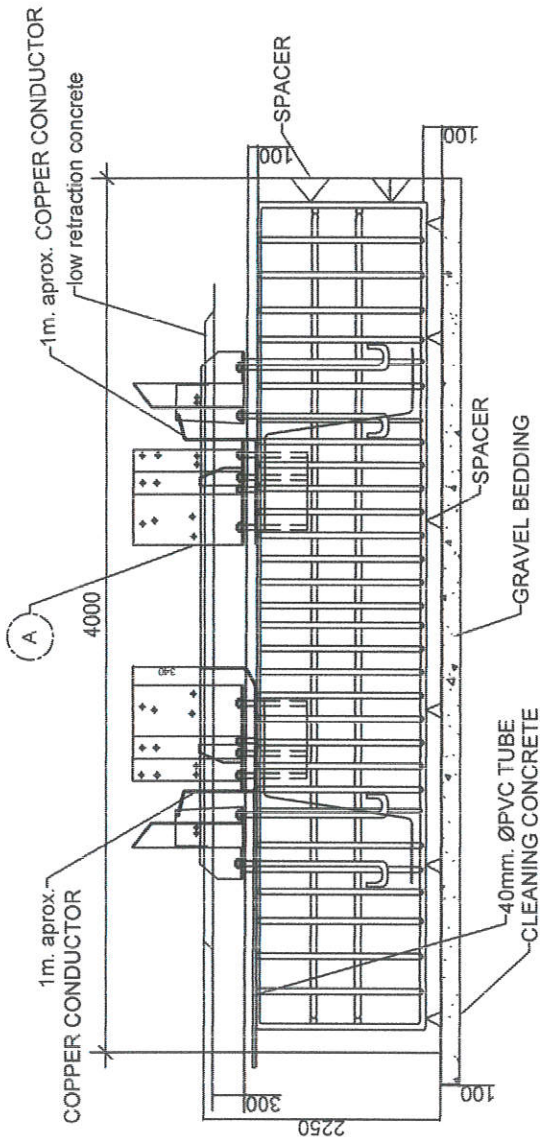
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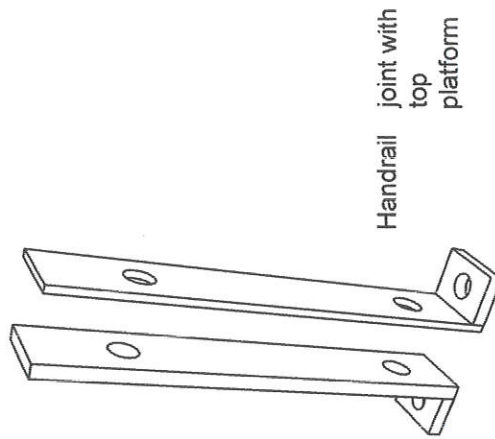
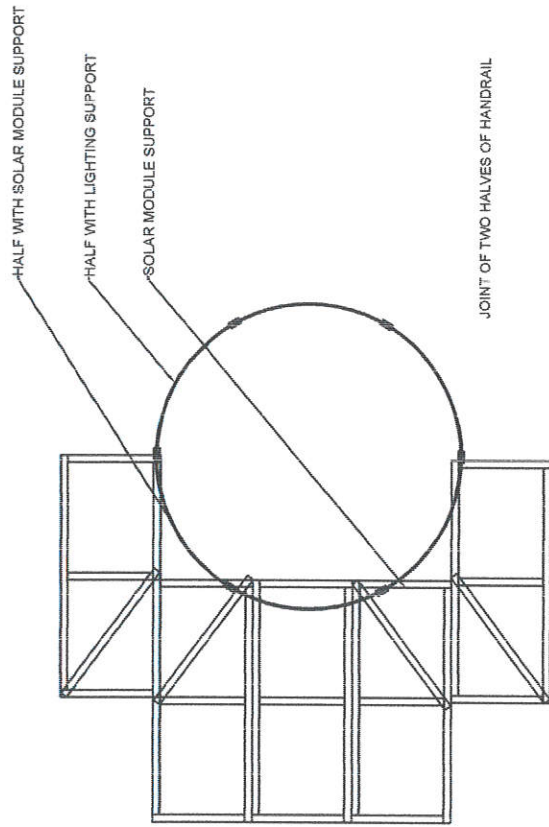
E 1:75

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

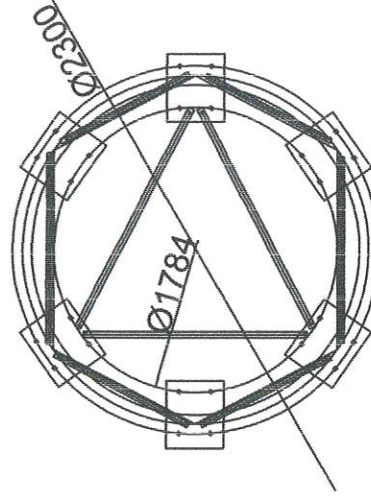
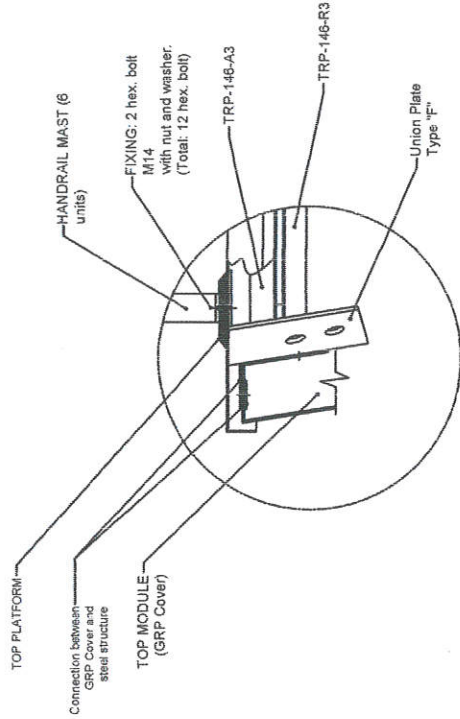
PHILIPPINE COAST GUARD 129 25TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LS DINEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION : DIOSDADINEM ISLAND, ITBAYAT, BATANES OWNER : PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY : ENGR. EDUARDO TORRES REVISION :	CHECKED BY : ENGR. EDUARDO TORRES DATE :	RECOMMENDED BY : CG CDSPRAY GARNETT'S GAMALLO Deputy Commander, CGIDS	APPROVED BY : CG CAPT PRUDENCIO C PATRICIO JR (GSC) Commander, CGIDS	CG CAPT PRUDENCIO C PATRICIO JR (GSC) Commander, CGIDS	



 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 139 26TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF 13 BABUYAN EAST AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION : BRGY. DADAO, CALAYAN, CAGAYAN OWNER : PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY : CG CGNO RAYNOR ACE PASCUAL Estimator/CAD Operator, CGIDS	CHECKED BY : <i>[Signature]</i> CG ENS EDGARDO J. CORTIZ Head Project Performance and Evaluation	RECOMMENDED BY : <i>[Signature]</i> CG CAPT PRUDENCIO C. PATRICIO JR. (GSC) Commander, CGIDS	APPROVED BY : <i>[Signature]</i>		

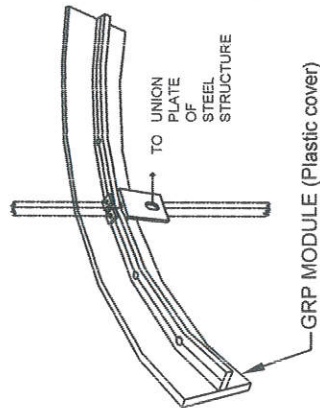
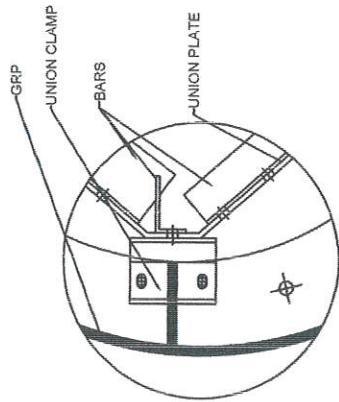


Joint of the two halves of handrail

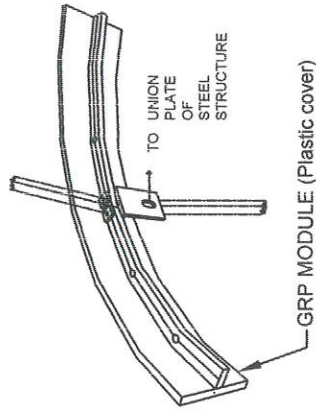
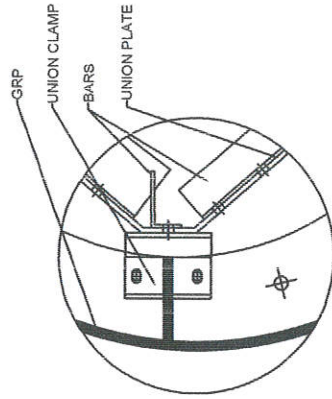


FOUNDATIONS TEMPLATES

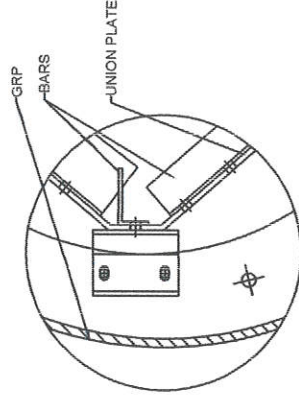
 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 139 25TH ST. PORT AREA NAVALA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE: CONSTRUCTION OF 13 DINEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: DIPODINEM ISLAND, ITBAYAT, BATANES OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY: CG CECILIO RAYNOTAGE PASQUAL Estimated COG: 01/2018, CGIS		CHECKED BY: CG ENS EDGARDO J. CORTEZ Head Project Performance and Evaluation		RECOMMENDED BY: CG CDR RAY GARNIER C. GAVILLO Deputy Commander, CGIDS		APPROVED BY: CG CAPT PRUDENCIO C. PATRICIO JR. (GSC) Commander, CGIDS	



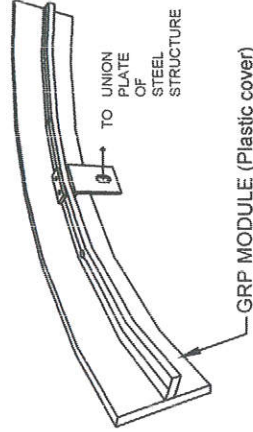
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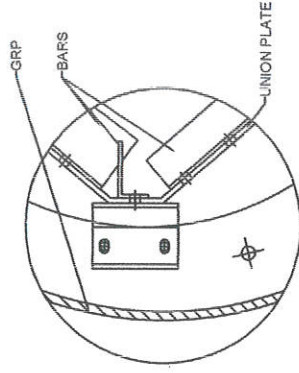
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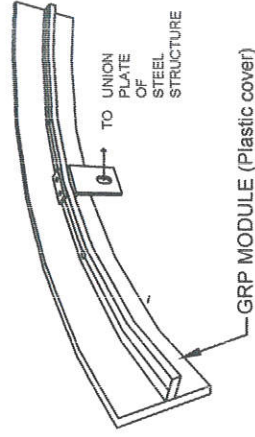
TOP VIEW
DETAIL



STRUCTURE DETAIL C

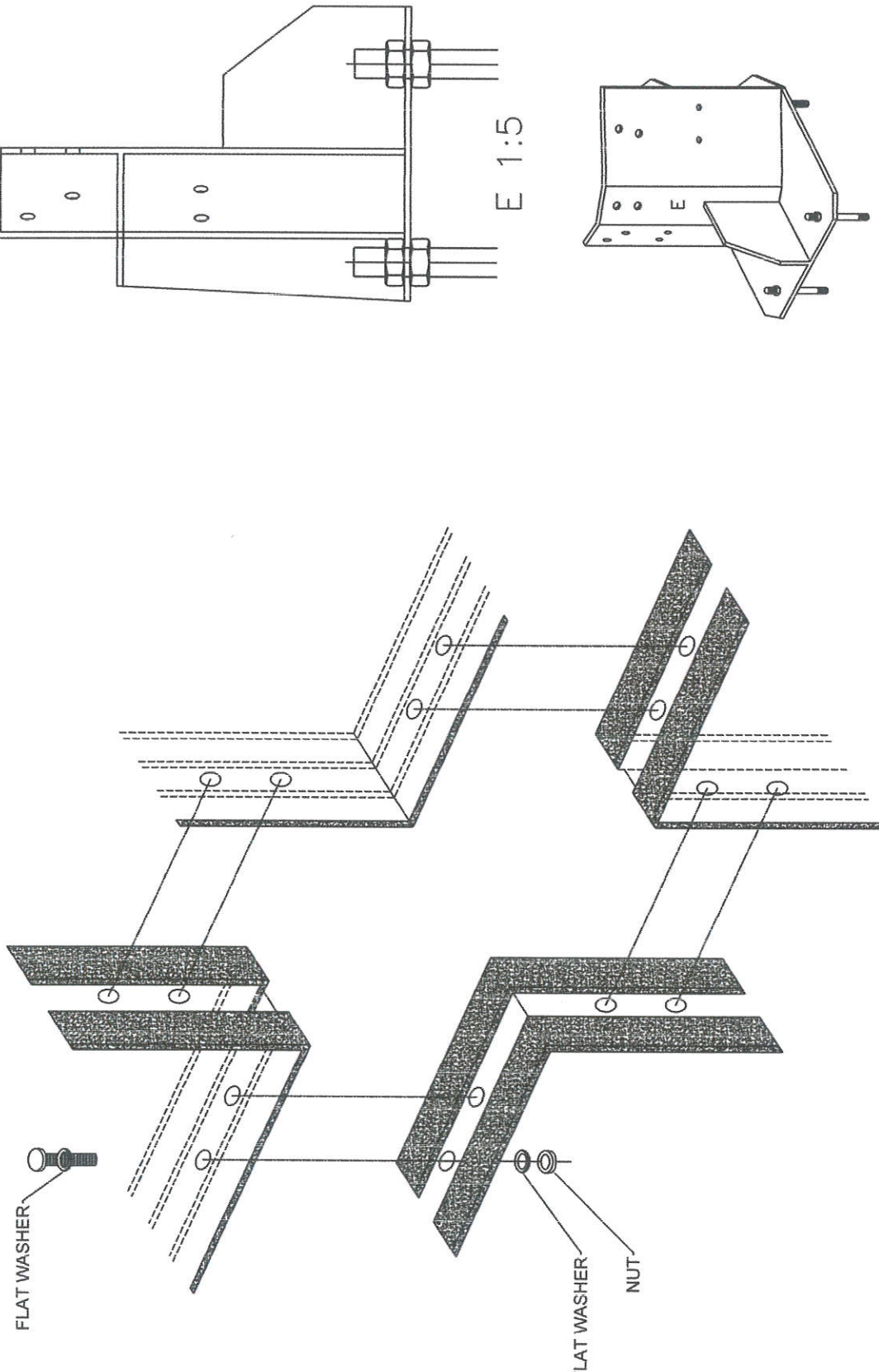


TOP VIEW
DETAIL



STRUCTURE DETAIL D

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 139 25TH ST. PORT AREA MANILA COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF 15 DINEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: DIOSDADINEM ISLAND, ITBAYAT, BATANES OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY: CG CGNO. BAYNOR ACE PASCUAL Estimator/CAD Operator, CGIDS		RECOMMENDED BY: CG CDR RAY GARNET O SAMALLO Deputy Commander, CGIDS		APPROVED BY: CG CAPT PRUDENCIO C PATRICIO JR (GSC) Commander, CGIDS	
CHECKED BY: CG CGNO. BAYNOR ACE PASCUAL Estimator/CAD Operator, CGIDS		DATE		REVISION	



E 1:5

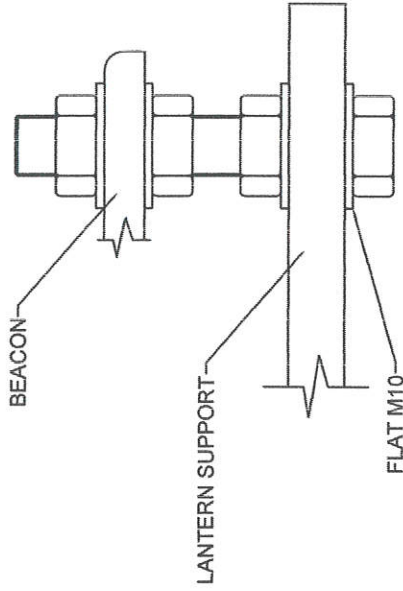
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GRP SEALING PROCESS

 PHILIPPINE COAST GUARD 150 26TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LS DINIEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY		SHEET NO.	
LOCATION: DIPODINEM ISLAND, ITBAYAT, BATANES		OWNER: PHILIPPINE COAST GUARD		PREPARED BY: CG CECILIO RAYNOR ARE PASCUAL Estimator/CAD Operator, CGIDS		CHECKED BY:  CG ENS EDGARDO J. CORTES Head Project Performance and Evaluation	
REVISION		DATE		RECOMMENDED BY:  CG CDR RAY GABRIEL C. SAMALLO Deputy Commander, CGIDS		APPROVED BY:  CG CAPT PRUDENCIO C. PATRICIO JR. (GSC) Commander, CGIDS	

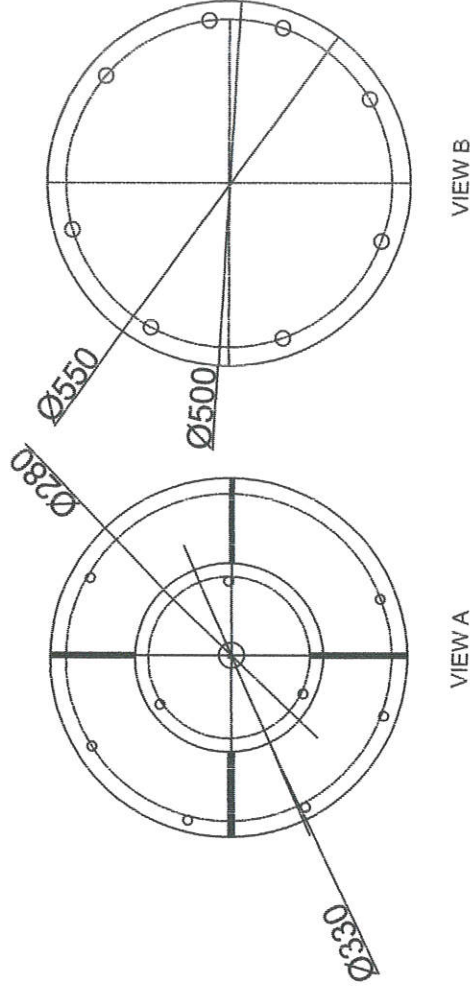
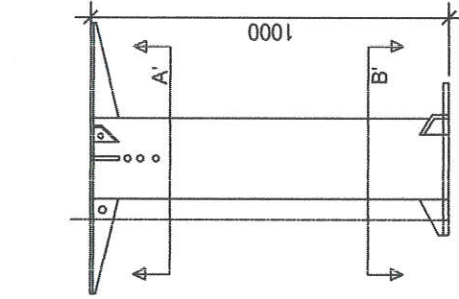
LIGHTNING MAST & COLLECTOR SPIKE

ROTATING BEACON



LANTERN LEVELLING

LIGHTNING MAST
HATCHWAY
HANDRAIL
TOP PLATFORM
(02.28M)



LANTERN SUPPORT

PHILIPPINE COAST GUARD
HEADQUARTERS PHILIPPINE COAST GUARD
139 25TH ST. PORT AREA MANILA

**COAST GUARD INFRASTRUCTURE
DEVELOPMENT SERVICE**

PROJECT TITLE :
LOCATION :
OWNER :

CONSTRUCTION OF LS DINEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY
DIPODINEM ISLAND, ITBAYAT, BATANES
PHILIPPINE COAST GUARD

PREPARED BY
REVISION

CG CCONG RAYNOR ACE PASUAL
Estimator/CAD Operator, CGIDS
DATE

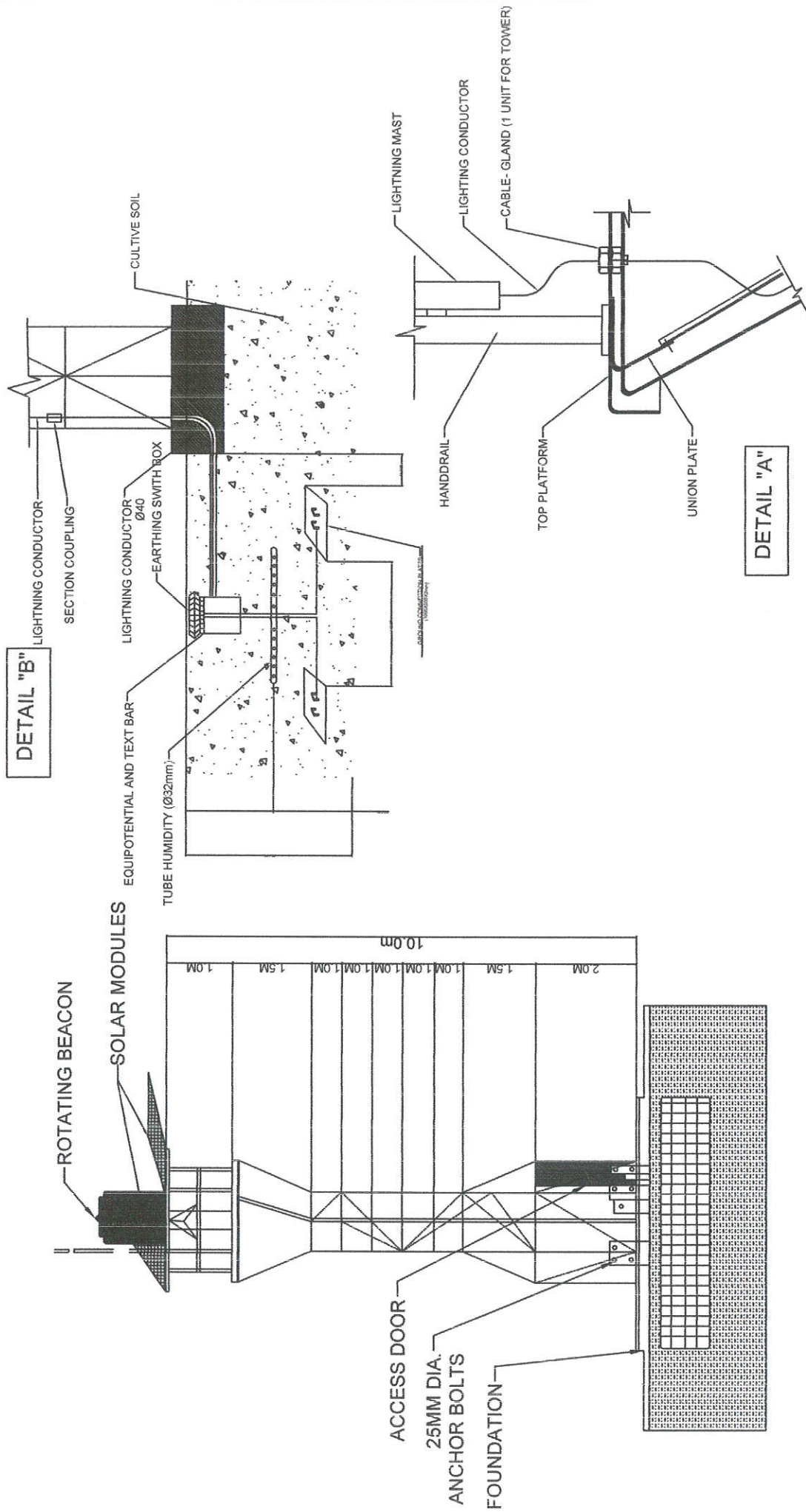
CHECKED BY:
CG ENS EDGARDO J. CORTES
Head, Project Performance and Evaluation

RECOMMENDED BY
CG CAPT RAY GARNET S. GAMALLO
Deputy Commander, CGIDS

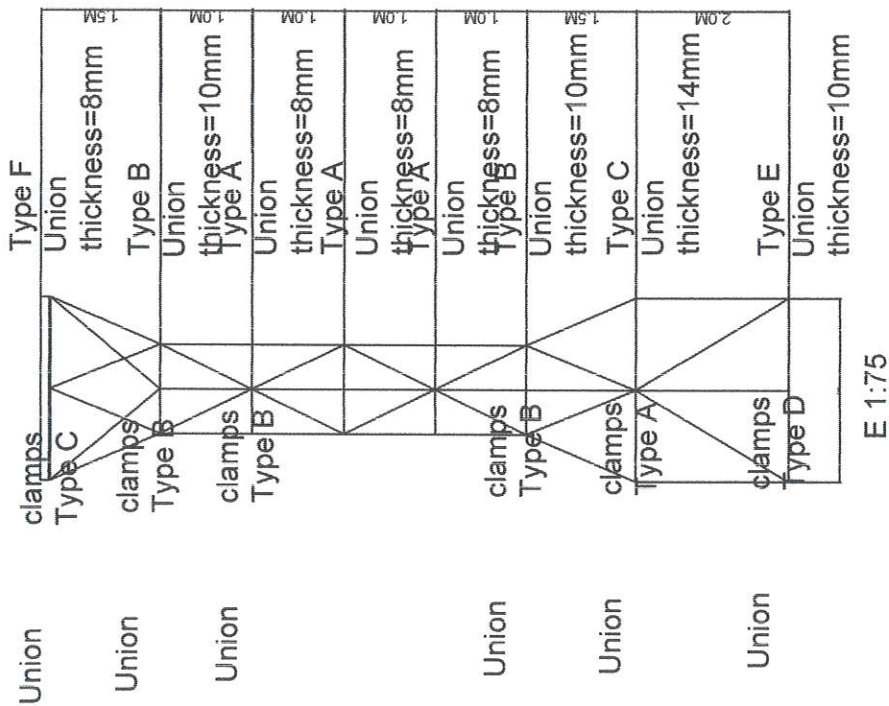
APPROVED BY:
CG CAPT PRUDENCIO C. PATRICIO JR. (GSC)
Commander, CGIDS

SHEET NO.

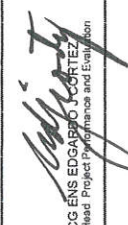
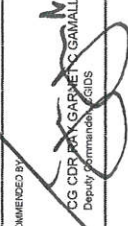
GROUNDING PROTECTION SYSTEM



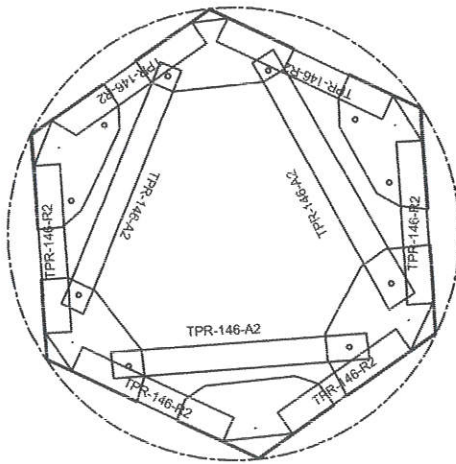
PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 139 26TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LS DINEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY		SHEET NO.	
LOCATION: DIOSDINEM ISLAND, ITBAYAT, BATANES		OWNER: PHILIPPINE COAST GUARD		RECOMMENDED BY: CG CAPT PRUDENCIO C. PATRICIO JR. (GSC) Commander, CGIDS		APPROVED BY: CG CAPT PRUDENCIO C. PATRICIO JR. (GSC) Commander, CGIDS	
PREPARED BY: CG CGNO RAYNOR ACE PASCUAL Estimator/CAD Operator, CGIDS		CHECKED BY: CG ENS EDUARDO CORTES Head, Project Performance and Evaluation		REVISION:		DATE:	



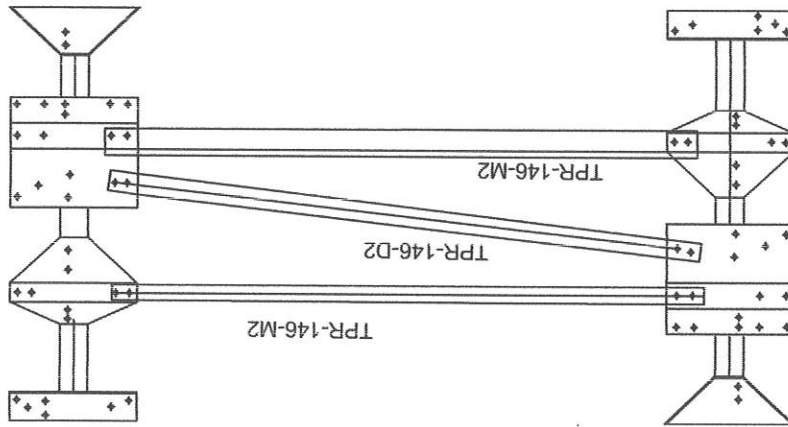
UNION PLATES

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 139 25TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LS DINEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION : DIOSDADINEM ISLAND, ITBAYAT, BATAYNES OWNER : PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY : CG CECILIO RAYNOR ACE PASCUAL Estimator/CAD Operator, CGIDS	CHECKED BY :  CG ENS EDGARDO CORTES Head, Project Performance and Evaluation	RECOMMENDED BY :  CG CDR RAY GARNET GAMALLO Deputy Commander, CGIDS	APPROVED BY :  CG CAPT PRUDENCIO C. PATRICIO JR. (GSC) Commander, CGIDS		

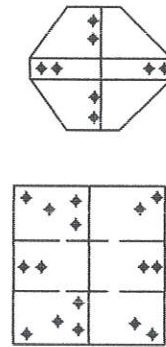
CENTRAL MODULES



UNION A



UNION A

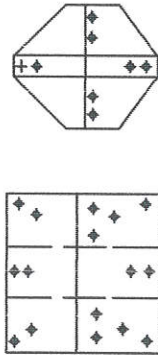
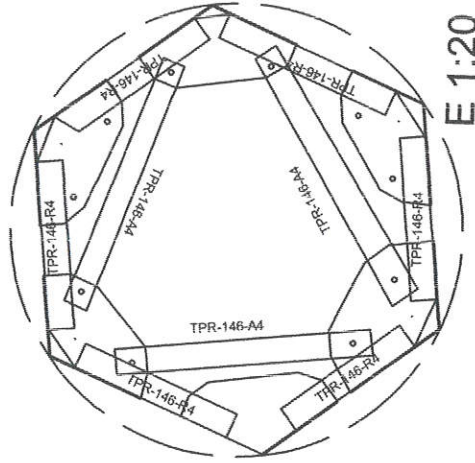
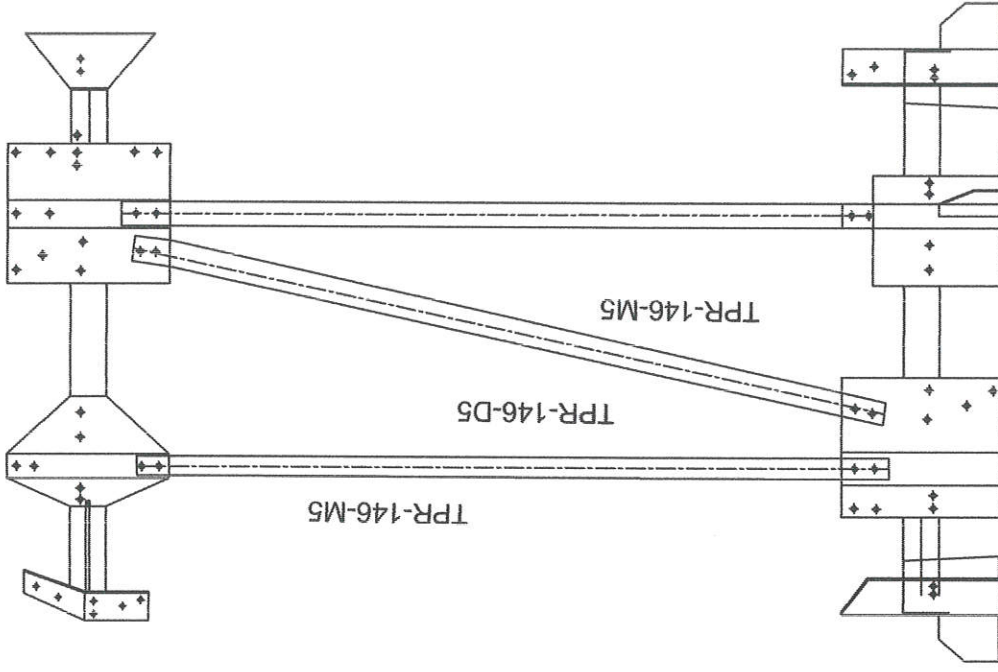


UNION A

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 139 25TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LS DINEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY LOCATION: DIOSDADINEM ISLAND, ITBAYAT, BATANES OWNER: PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY CG-6690 RAYNOR ACE PASCUAL Estimator/CAD Operator, CGIS	CHECKED BY:  CG-6690 RAYNOR ACE PASCUAL Estimator/CAD Operator, CGIS	RECOMMENDED BY:  CG CDR RAN GARNET C CAMALLO Deputy Commander, CGIS	APPROVED BY:  CG CAPT PRUDENCIO C PATRICIO JR (GSC) Commander, CGIS		
REVISION DATE					

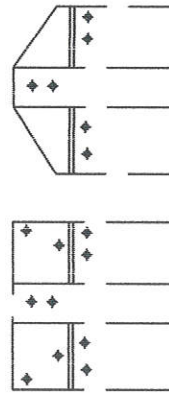
CONE TRUNCATED MODULE-1

UNION C



UNION C

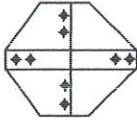
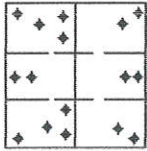
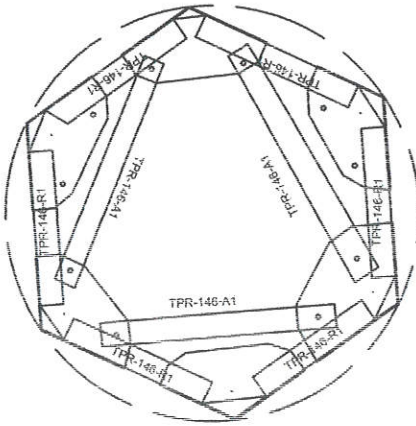
UNION E



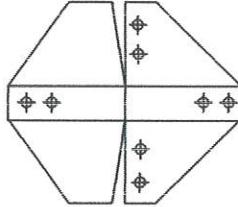
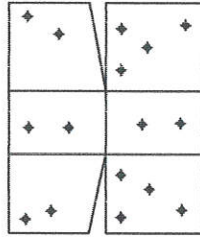
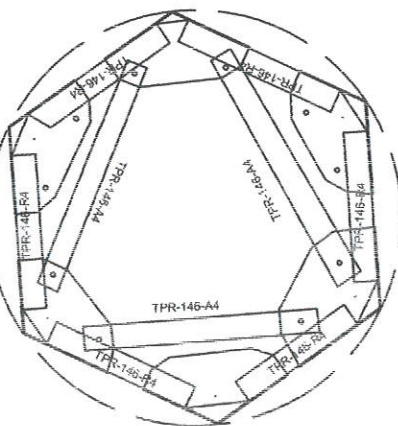
UNION E

 PHILIPPINE COAST GUARD HEADQUARTERS PHILIPPINE COAST GUARD 139 25TH ST. PORT AREA MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF LS DINEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERMOST ISLANDS OF THE COUNTRY LOCATION: DIOSDADINEM ISLAND, ITBAYAT, BATANES OWNER: PHILIPPINE COAST GUARD	SHEET NO.
PREPARED BY: CG ENS EDGARDO CORTES REVISION: _____		CHECKED BY: <i>[Signature]</i> CG ENS EDGARDO CORTES Head Project Performance and Evaluation		APPROVED BY: <i>[Signature]</i> CG CAPT PRUDENCIO QPATRICIO JR (GSC) Commander, CGIDS	_____

UNION B

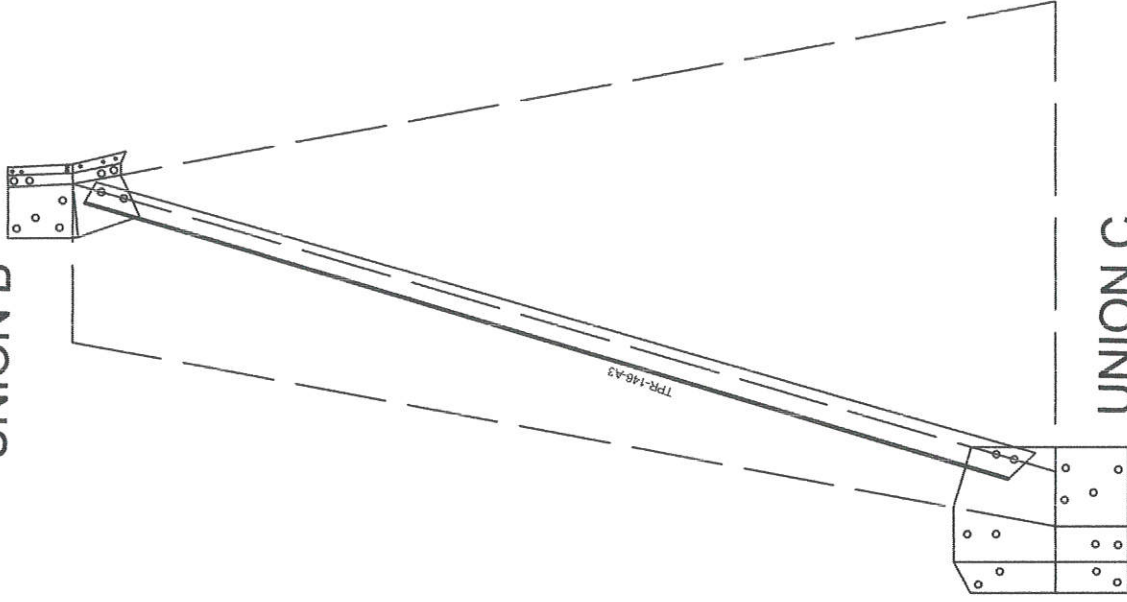


UNION B



UNION C

CONE TRUNCATED MODULE-2



UNION C

 PHILIPPINE COAST GUARD 1100 QUANTINS PHILIPPINE COAST GUARD 130 5TH ST., PORT AREA, MANILA		COAST GUARD INFRASTRUCTURE DEVELOPMENT SERVICE		PROJECT TITLE : CONSTRUCTION OF 15 DINEM AS PART OF THE CONSTRUCTION OF THIRTEEN (13) LIGHTHOUSE STATIONS IN THE TEN (10) NORTHERNMOST ISLANDS OF THE COUNTRY LOCATION: DIOSDINEM ISLAND, ITAYAT, BATANES OWNER: PHILIPPINE COAST GUARD		SHEET NO.	
PREPARED BY : CG CDR RAYMOND ACE PASCUAL Estimator/CAD Operator, CGIDS		CHECKED BY : <i>[Signature]</i> CG ENS EDUARDO J. CORTES Head, Project Performance and Evaluation		RECOMMENDED BY : <i>[Signature]</i> CG CDR RAY GARNET C. GIMALLO Deputy Commander, CGIDS		APPROVED BY : <i>[Signature]</i> CG CAPT PRUDENCIA C. ALTRICIO JR. (GSC) Commander, CGIDS	
REVISION		DATE					