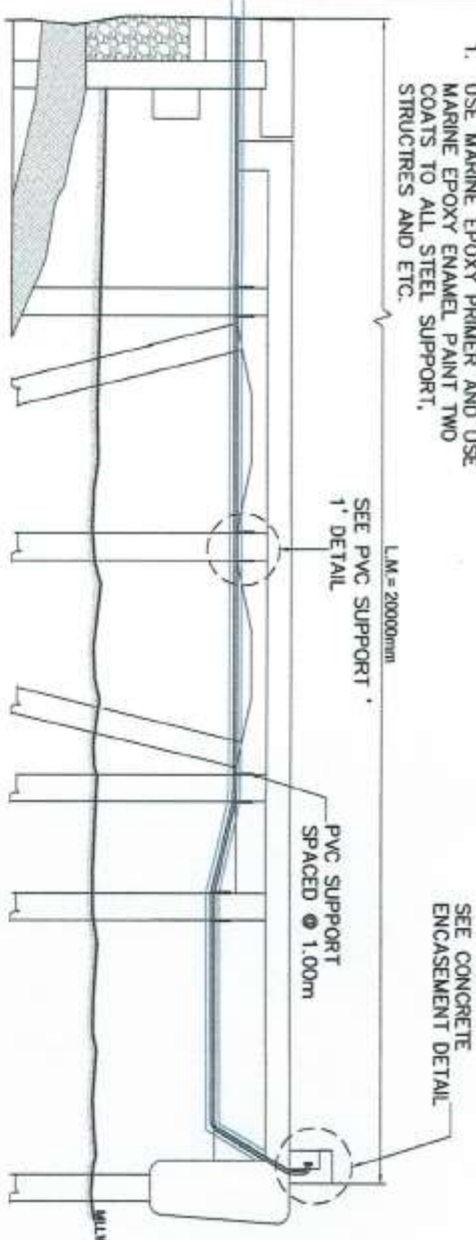
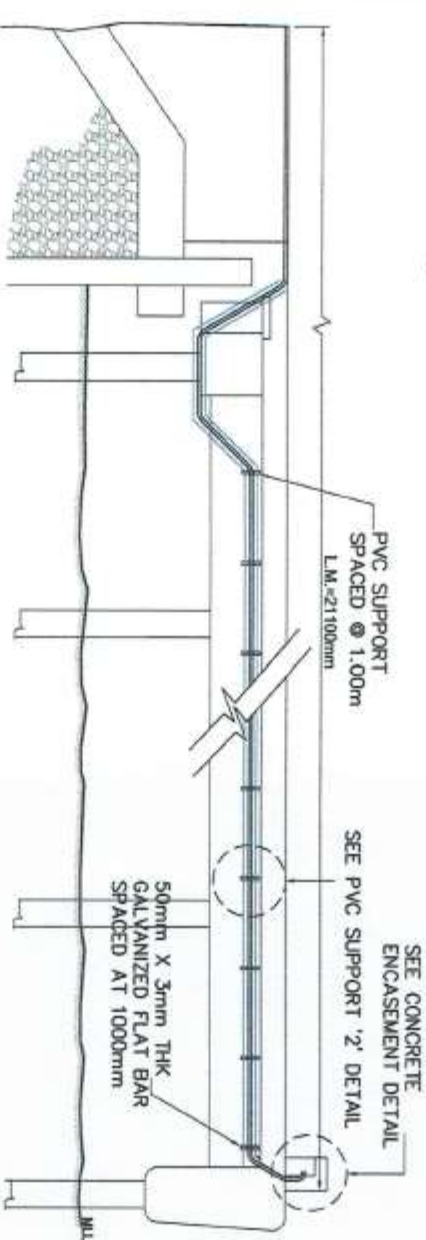


NOTE:

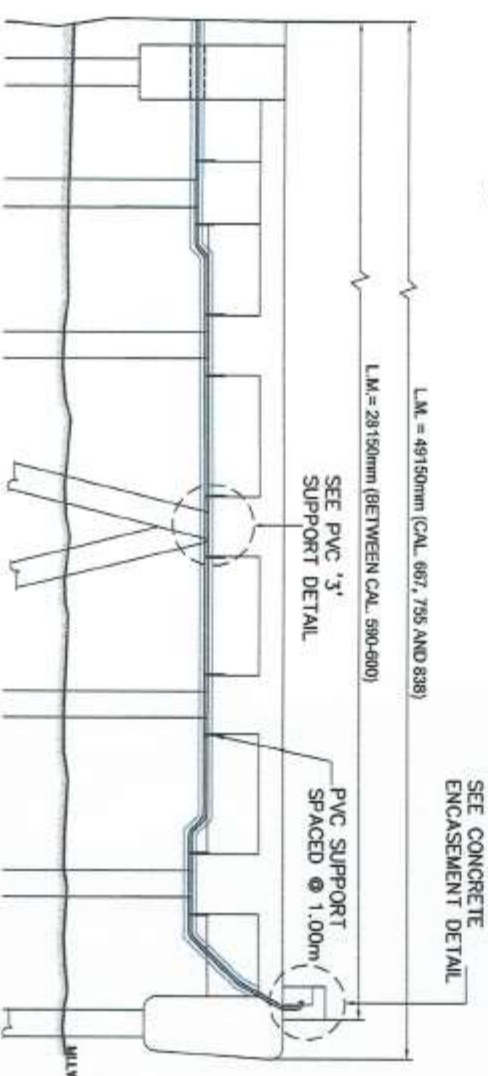
1. USE MARINE EPOXY PRIMER AND USE MARINE EPOXY ENAMEL PAINT TWO COATS TO ALL STEEL SUPPORT, STRUCTURES AND ETC.



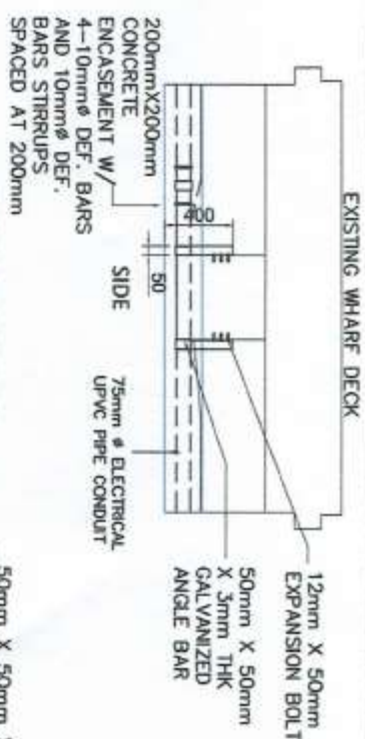
WESTERN WHARF SHIP TO SHORE POWER OUTLET SECTION
SCALE 1:125



EASTERN WHARF SHIP TO SHORE POWER OUTLET SECTION
SCALE 1:125



SHIP TO SHORE POWER OUTLET SECTION (NW AND NCW)
SCALE 1:125

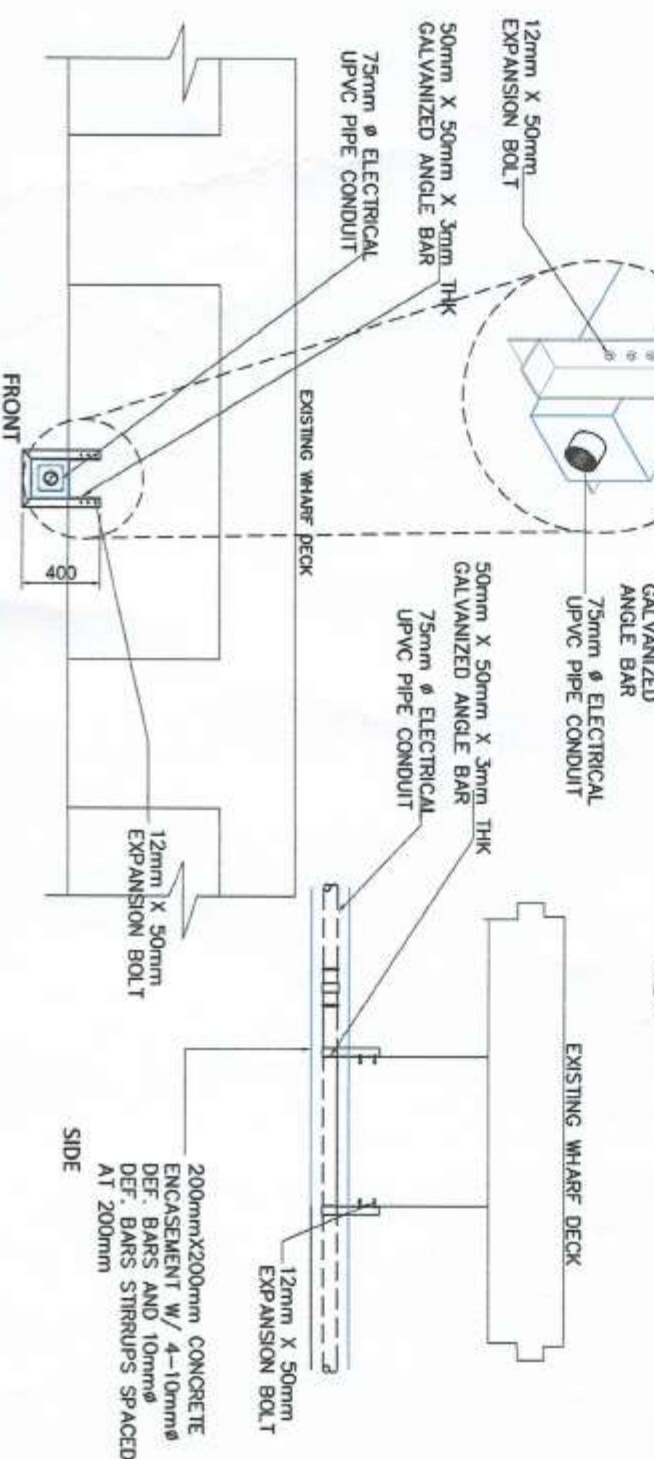


PVC SUPPORT '1' DETAIL
SCALE 1:40








200mm X 200mm CONCRETE ENCASEMENT W/ 4-10mm Ø DEF. BARS AND 10mm Ø DEF. BARS STIRRUPS SPACED AT 200mm

200mm X 200mm CONCRETE ENCASEMENT W/ 4-10mm Ø DEF. BARS AND 10mm Ø DEF. BARS STIRRUPS SPACED AT 200mm

PVC SUPPORT '2' DETAIL
SCALE 1:40

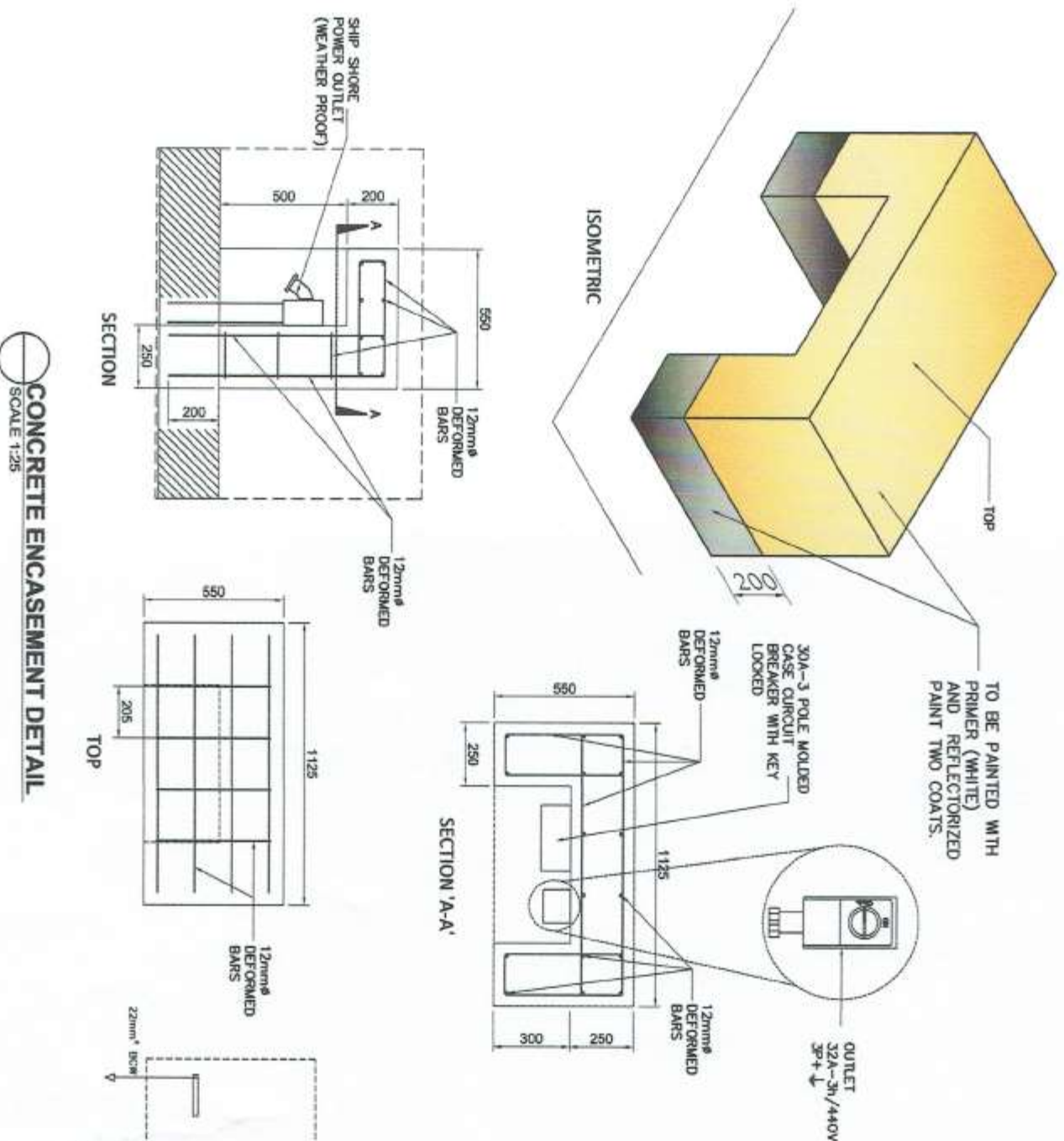


PVC SUPPORT '3' DETAIL
SCALE 1:40

 PHILIPPINE PORTS AUTHORITY	PROJECT TITLE	PREPARED BY	CHECKED BY	REVIEWED BY	CONCURRED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENT	DATE: 4/18/2018
	REPAIR OF SHIP TO SHORE FACILITY, INSTALLATION OF ELECTRICAL ROOM NEAR TRANSIT SHED 1, INSTALLATION OF ELECTRICAL DUCTLINES AND MANHOLES, AND MODIFICATION OF CONCRETE CURB NEAR THE METERING STATION	 JOE CARLO I. SORIANO ENGINEERING ASSISTANT (Jr)	 RHEA MEE P. CABRERA SUPERVISING ENGINEER A	 MARIA VIVIEN M. TANCO ACTING PRINCIPAL ENGINEER A	 MARIO D. BUCAYAN PLANT ELECTRICIAN B	 JAMESON L. LEE ESTIMATOR	 ATTY. CESAR M. DAVAYA ACTING PORT MANAGER	1. WHARF SECTION 2. PVC SUPPORT DETAIL	
	PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY								2/17

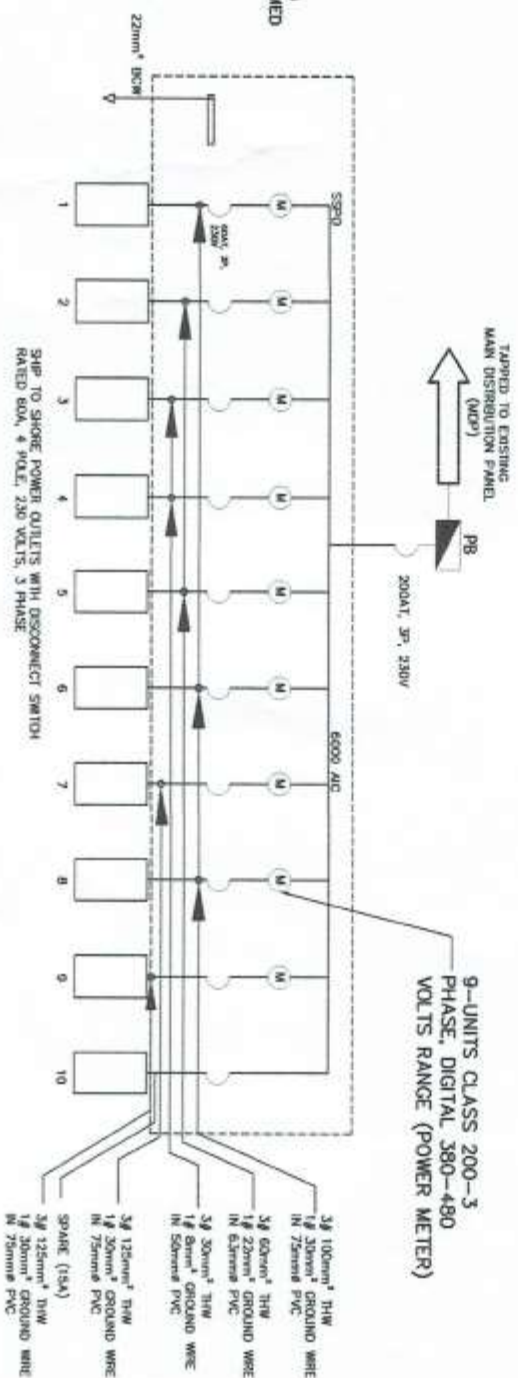
LOAD SCHEDULE						
CKT. NO.	PHASE (VOLT AMPERE)			BRANCH FEEDER PROTECTION	FEEDER/CONDUIT	WIRE TO PROVIDE (L.M.)
	A	B	C			
1	6374	6374	6374	60A1, 3P, 230V	3# 100mm ² THW 1# 30mm ² GROUND WIRE IN 75mm ² PVC	20.00m FROM EXISTING ELEC. MANHOLE TO SSPD
2	6374	6374	6374	60A1, 3P, 230V	3# 60mm ² THW 1# 22mm ² GROUND WIRE IN 63mm ² PVC	20.00m FROM EXISTING ELEC. MANHOLE TO SSPD
3	6374	6374	6374	60A1, 3P, 230V	3# 30mm ² THW 1# 8mm ² GROUND WIRE IN 50mm ² PVC	21.10m FROM EXISTING ELEC. MANHOLE TO SSPD
4	6374	6374	6374	60A1, 3P, 230V	3# 30mm ² THW 1# 8mm ² GROUND WIRE IN 50mm ² PVC	21.10m FROM EXISTING ELEC. MANHOLE TO SSPD
5	6374	6374	6374	60A1, 3P, 230V	3# 60mm ² THW 1# 22mm ² GROUND WIRE IN 63mm ² PVC	21.10m FROM EXISTING ELEC. MANHOLE TO SSPD
6	6374	6374	6374	60A1, 3P, 230V	3# 100mm ² THW 1# 30mm ² GROUND WIRE IN 75mm ² PVC	28.15m FROM EXISTING ELEC. MANHOLE TO SSPD
7	6374	6374	6374	60A1, 3P, 230V	3# 125mm ² THW 1# 30mm ² GROUND WIRE IN 75mm ² PVC	49.05m FROM EXISTING ELEC. MANHOLE TO SSPD
8	6374	6374	6374	60A1, 3P, 230V	3# 125mm ² THW 1# 30mm ² GROUND WIRE IN 75mm ² PVC	431.61m FROM EXISTING PANEL BOARD TO SSPD
9	6374	6374	6374	60A1, 3P, 230V	3# 125mm ² THW 1# 30mm ² GROUND WIRE IN 75mm ² PVC	515.31m FROM EXISTING PANEL BOARD TO SSPD
TOTAL	57366	57366	57366	200A1, 3P, 230V	3# 250mm ² THW 1# 30mm ² GROUND WIRE IN 75mm ² PVC (EXISTING)	

LOAD SCHEDULE
NOT TO SCALE



CONCRETE ENCASUREMENT DETAIL
SCALE 1:25

SINGLE LINE DIAGRAM
NOT TO SCALE



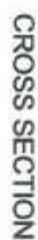
	PROJECT TITLE	PREPARED BY	CHECKED BY	REVIEWED BY	CONCLUDED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENT	DATE
	REPAIR OF SHIP TO SHORE FACILITY, INSTALLATION OF ELECTRICAL ROOM NEAR TRANSIT SHED 1, INSTALLATION OF ELECTRICAL DUCTS AND MANHOLES, AND MODIFICATION OF CONCRETE CURB NEAR THE METERING STATION	JOECARLO I. SORIANO ENGINEERING ASSISTANT (UO)	RHEA MARIE P. CABRERA SUPERVISING ENGINEER A	MARIA VIVIAN M. TANGCO ACTING PRINCIPAL ENGINEER	MARIO D. BUCAVAN PLANT ELECTRICIAN B	JAMESON LEE EEO MANAGER	ATTY. CESAR B. DAVAY ACTING PM MANAGER	1. CONCRETE ENCASUREMENT 2. SINGLE LINE DIAGRAM 3. LOAD SCHEDULE	4/18/2018
LOCATION		PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY							




1. USE MARINE EPOXY PRIMER AND USE MARINE EPOXY ENAMEL PAINT TWO COATS TO ALL STEEL SUPPORT, STRUCTURES AND ETC.
2. USE PRIMER (WHITE) AND USE LATEX PAINT TWO COATS TO ALL CONCRETE STRUCTURES.





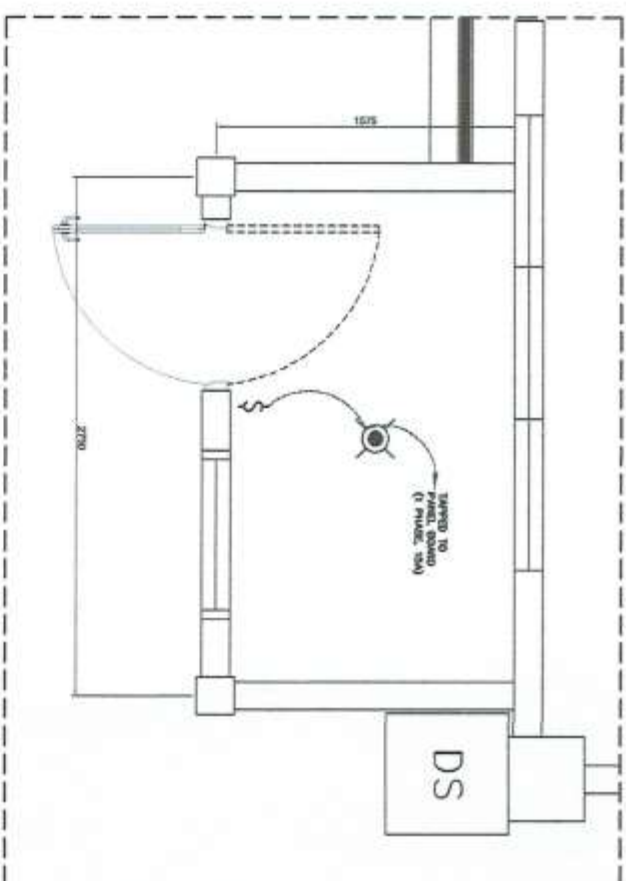
○ COLUMN/FOOTING DETAIL (CF)
SCALE 1:20



 PHILIPPINE PORTS AUTHORITY	PROJECT TITLE	PREPARED BY:	CHECKED BY:	REVIEWED BY:	CONSOLIDATED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT: 1. CONCRETE CANOPY 2. ROOF BEAM DETAIL 3. COLUMN/FOOTING DETAIL 4. PANEL BOARD SUPPORT DETAIL	DATE: 4/18/2018 <div style="font-size: 2em; font-weight: bold;">5/7</div>
	REPAIR OF SHIP TO SHORE FACILITY, INSTALLATION OF ELECTRICAL ROOM NEAR TRANSIT SHED 1, INSTALLATION OF ELECTRICAL DUCTLINES AND MANHOLES AND MODIFICATION OF CONCRETE CURB NEAR THE METERING STATION LOCATION PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY	JOECARLO T. SORIANO ENGINEERING ASSISTANT (Jr.)	 RHEA MAE P. CABRERA SUPERVISOR'S ENGINEER A	 MARIA VIVIEN M. TANICO ACTING PRINCIPAL ENGINEER A	 MARIO D. BUCAYAN PLANT ELECTRICIAN B	 JAMES D. LEE EIT MANAGER	 ATTY. CESAR D. DIZON ACTING PLANT MANAGER		

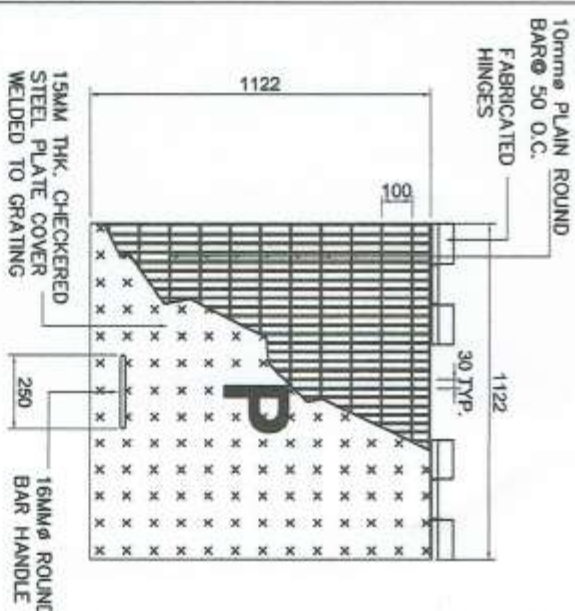
GENERAL NOTES:

1. SERVICE ENTRANCE SHALL BE 220VAC, 60Hz
2. THE ELECTRICAL INSTALLATION HEREIN SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE EXISTING LOCAL ORDINANCES, REQUIREMENTS OF THE LOCAL POWER COMPANY AND RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INCIDENTAL EXPENSES IN SECURING LOCAL GOVERNMENT AND SOCOTECO IT'S REQUIREMENTS.
3. ALL 20 AMPERE CIRCUIT HOMERUNS TO PANEL BOARD MORE THAN 30.5M (100 FT.) IN LENGTH SHALL BE 5.50 sq.mm. UNLESS OTHERWISE SPECIFIED.
4. ALL SERVICE ENTRANCE EQUIPMENT SHALL BE PROPERLY GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PHILIPPINE ELECTRICAL CODE
5. ALL MATERIALS SHALL BE NEW AND OF THE APPROVED TYPE.
6. ALL ELECTRICAL INSTALLATION SHALL BE UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL ELECTRICAL ENGINEER.

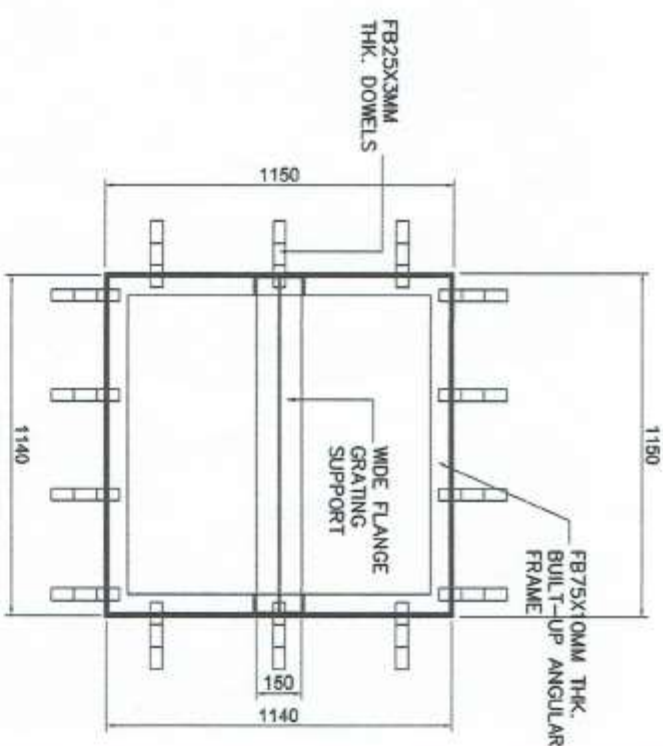


LIGHTING LAYOUT

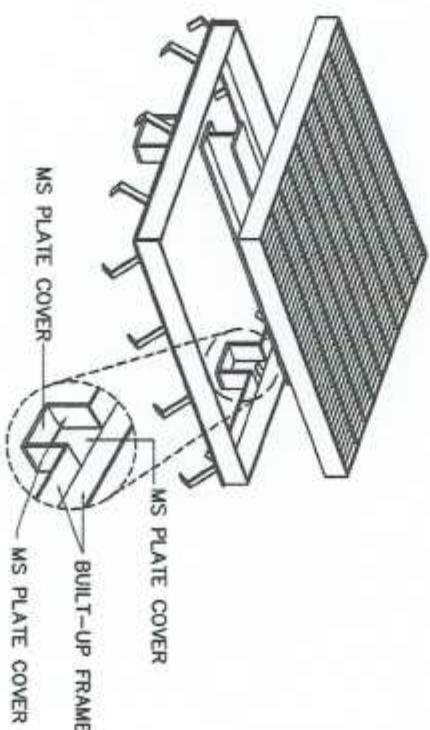
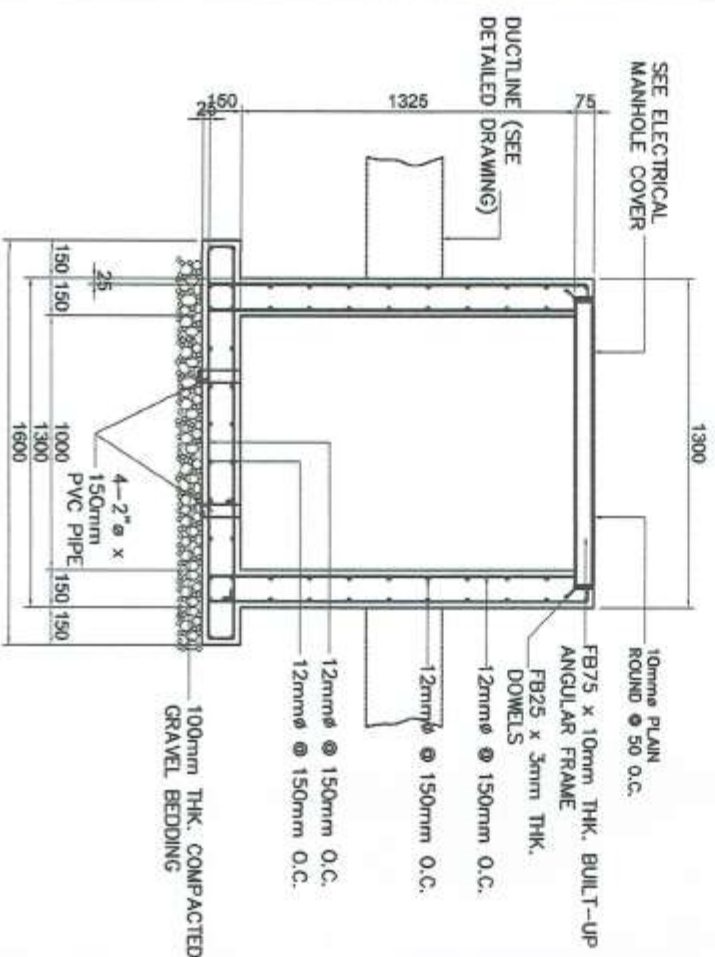
SCALE 1:40



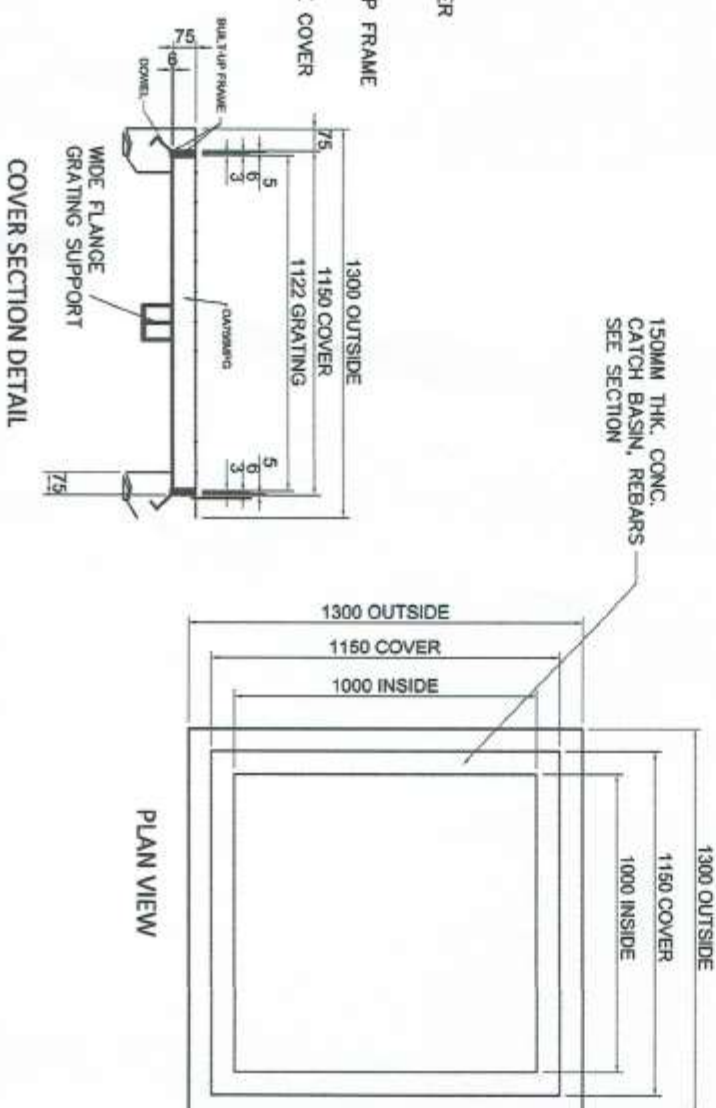
PANEL DETAIL



FRAME DETAIL



ISOMETRIC









PLAN VIEW

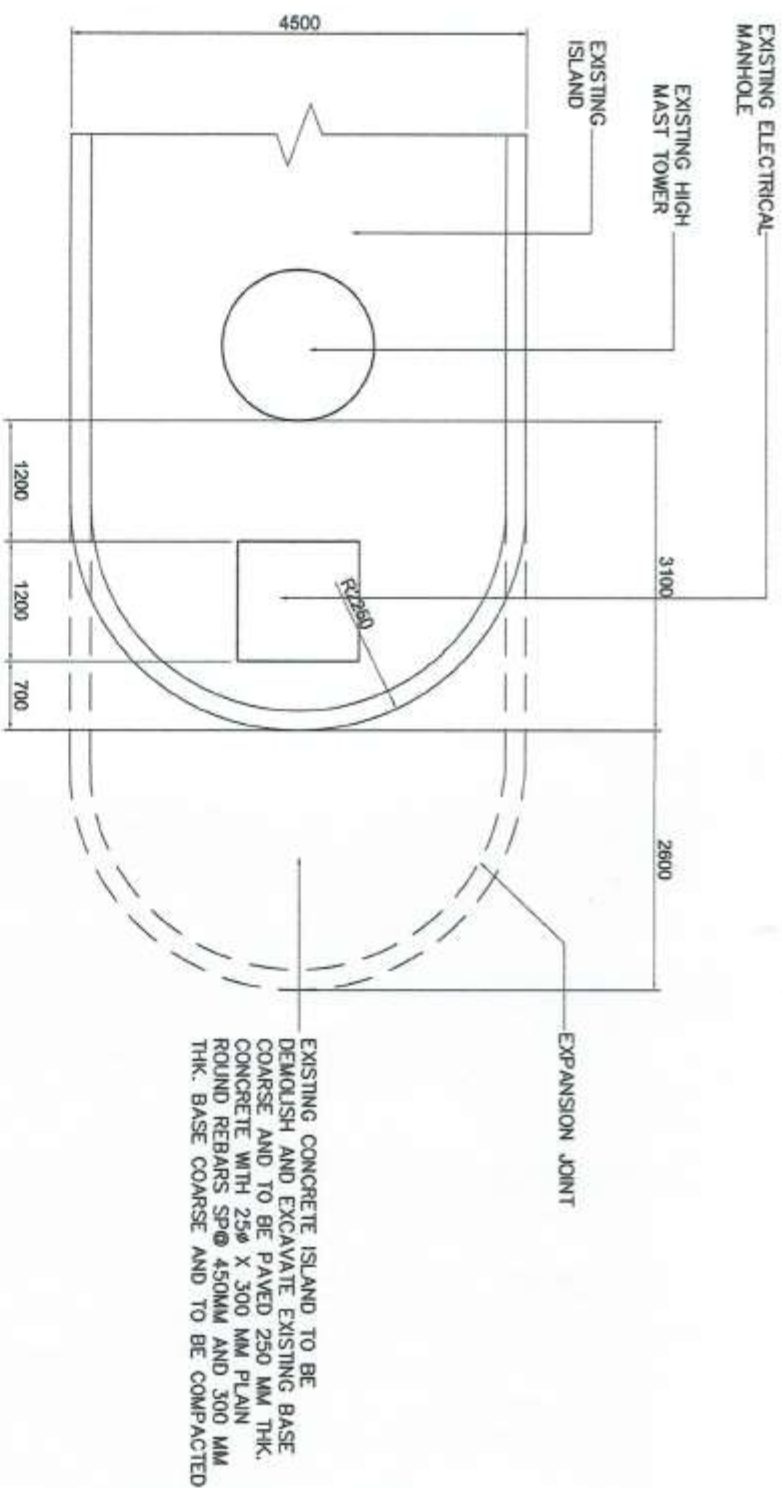
ELECTRICAL MANHOLE DETAIL

SCALE 1:30

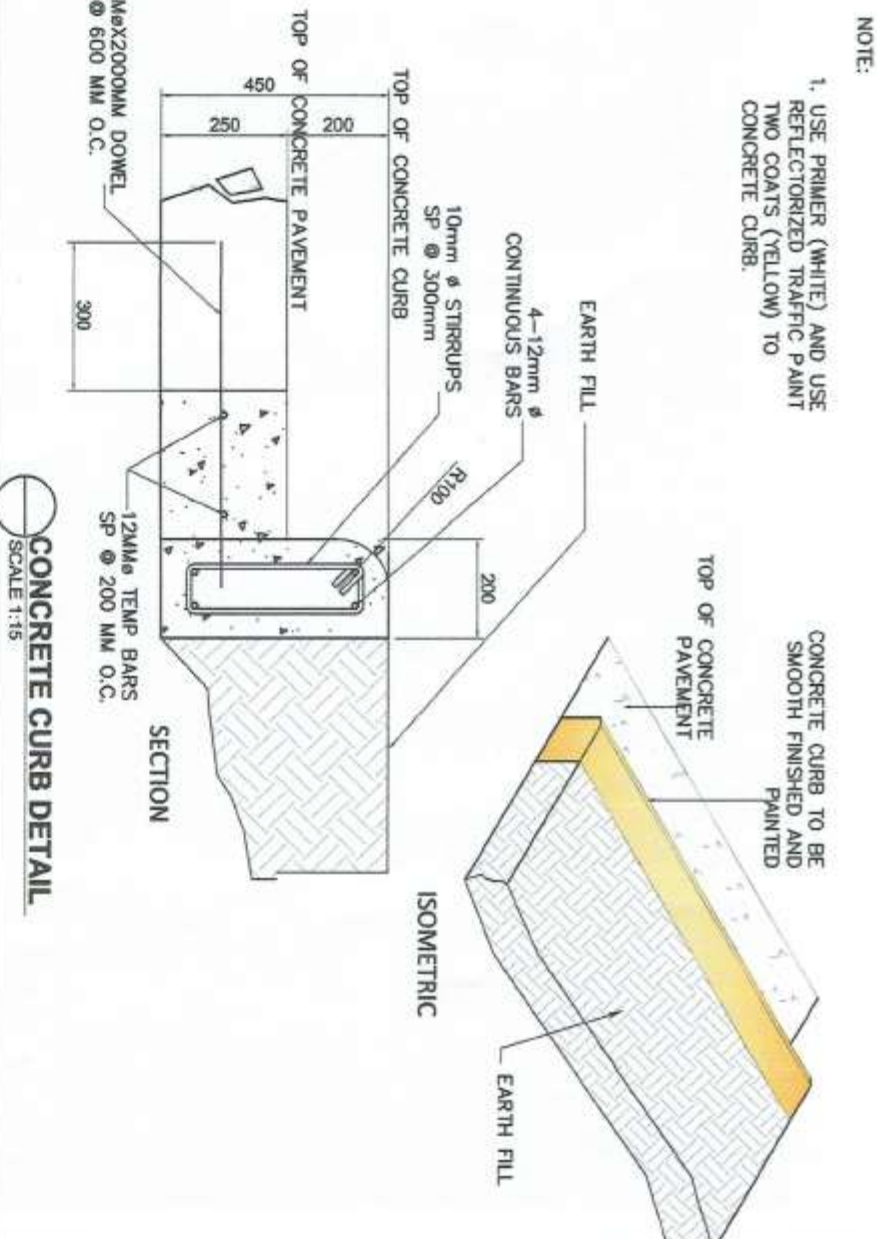
ELEC. MANHOLE COVER DETAIL
SCALE 1-25

SCALE 1:25

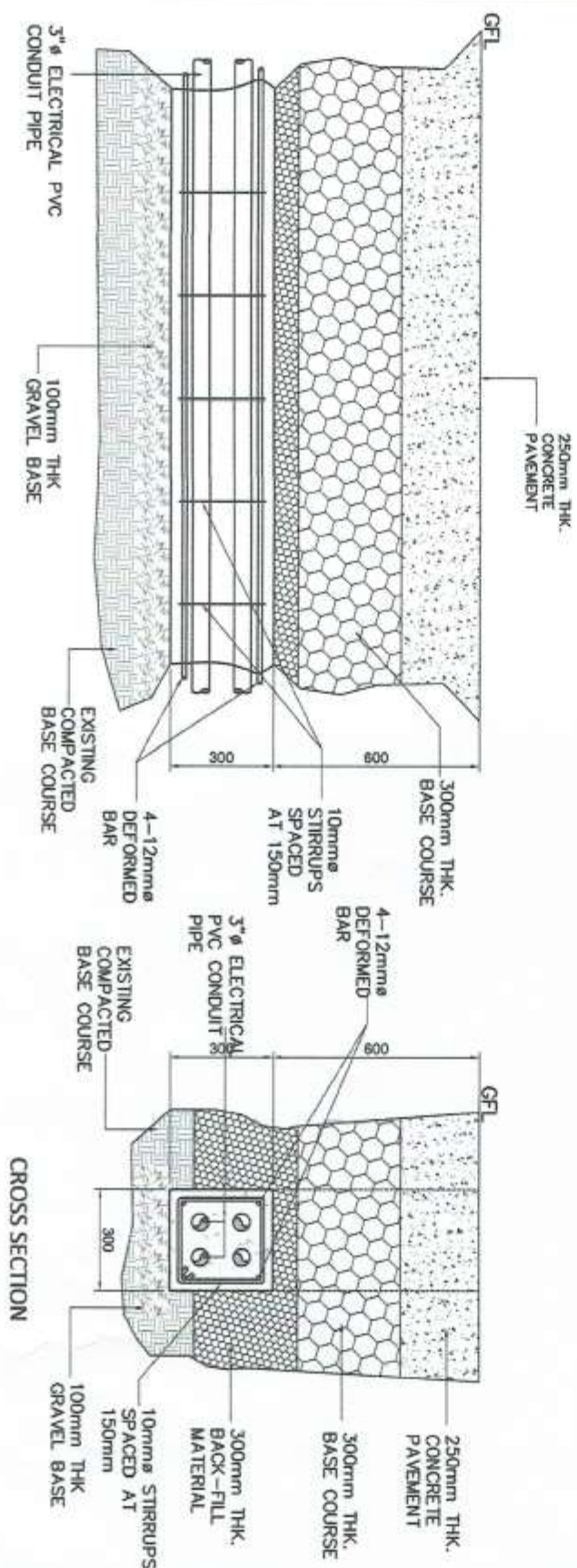
 PHILIPPINE PORTS AUTHORITY	PROJECT TITLE REPAIR OF SHIP TO SHORE FACILITY, INSTALLATION OF ELECTRICAL ROOM NEAR TRANSIT SHED 1, INSTALLATION OF ELECTRICAL DUCTLINES AND MANHOLES AND MODIFICATION OF CONCRETE CURB NEAR THE METERING STATION		PREPARED BY:  JOSE CARLO T. SORIANO ENGINEERING ASSISTANT (Jr)	CHECKED BY:  RHEA MAE P. CABRERA SUPERVISING ENGINEER A	REVIEWED BY:  MARIA VIVIEN M. TANCO ACTING PRINCIPAL ENGINEER A	CONCURRED BY:  MARIO D. BUCAYAN PLANT ELECTRICIAN B	RECOMMENDING APPROVAL: JAMESON L. LEE ESD MANAGER	APPROVED BY:  ATTY. CESAR PADAYNA ACTING PORT MANAGER	SHEET CONTENT 1. LIGHTING LAYOUT 2. ELECTRICAL MANHOLE DETAIL 3. ELEC. MANHOLE COVER DETAIL	DATE: 4/18/2018
	PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY									6/7



ISLAND NEAR CY 2&3 PLAN (SEE LOCATION PLAN)

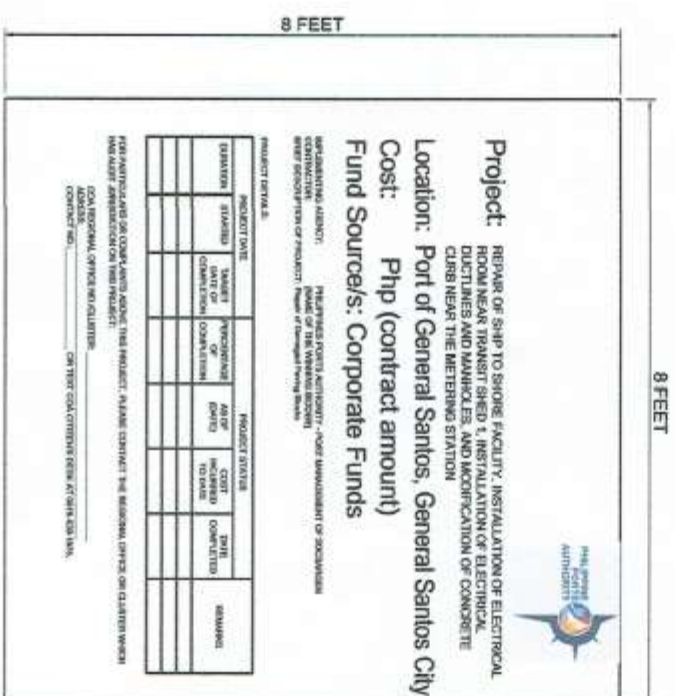


CONCRETE CURB DETAIL



LONGITUDINAL SECTION

DUCT LINE DETAIL



COA STANDARD BILLBOARD DESIGN



PROJECT TITLE: REPAIR OF SHIP TO SHORE FACILITY, INSTALLATION OF ELECTRICAL ROOM NEAR TRANSHIP SHED 1, INSTALLATION OF ELECTRICAL DUCTLINES AND MANHOLES, AND MODIFICATION OF CONCRETE CURB NEAR THE METERING STATION

LOCATION: PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY

PREPARED BY: JOSE CARLO I. SORIANO
ENGINEERING ASSISTANT (I/O)

CHECKED BY: RHEA MAE P. CABREIRA
SUPERVISING ENGINEER A

REVIEWED BY: MARIA VIVIAN M. TANICO
ACTING PRINCIPAL ENGINEER A

CONFERENCED BY: MARIO D. BUCAYAN
PLANT ELECTRICIAN

RECOMMENDING APPROVAL: JAMESON L. LEE
ESTIMATOR

APPROVED BY: ATTY. CESAR A. DATAYA
ACTING MANAGER

SHEET CONTENT:

1. COA STANDARD BILLBOARD
2. DUCT LINE DETAIL
3. ISLAND NEAR CY 2&3 PLAN

DATE: 4/18/2016

7/7