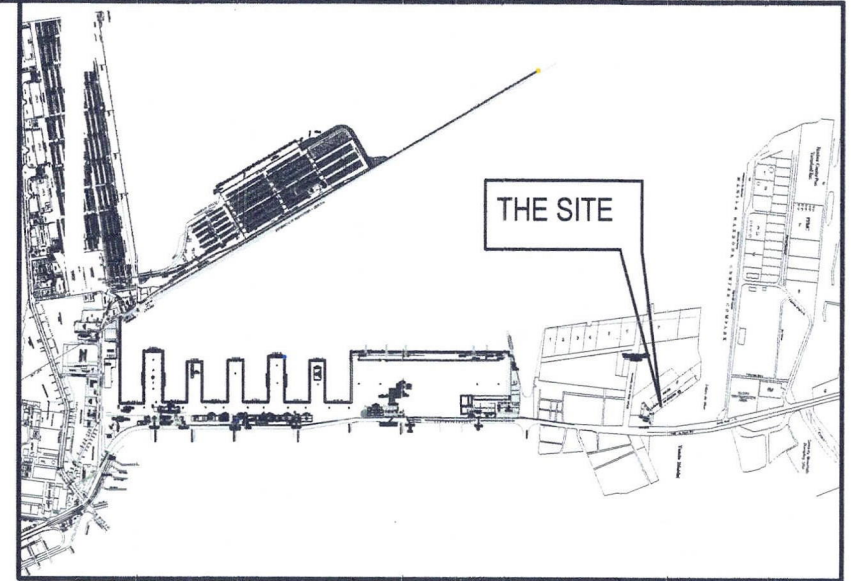
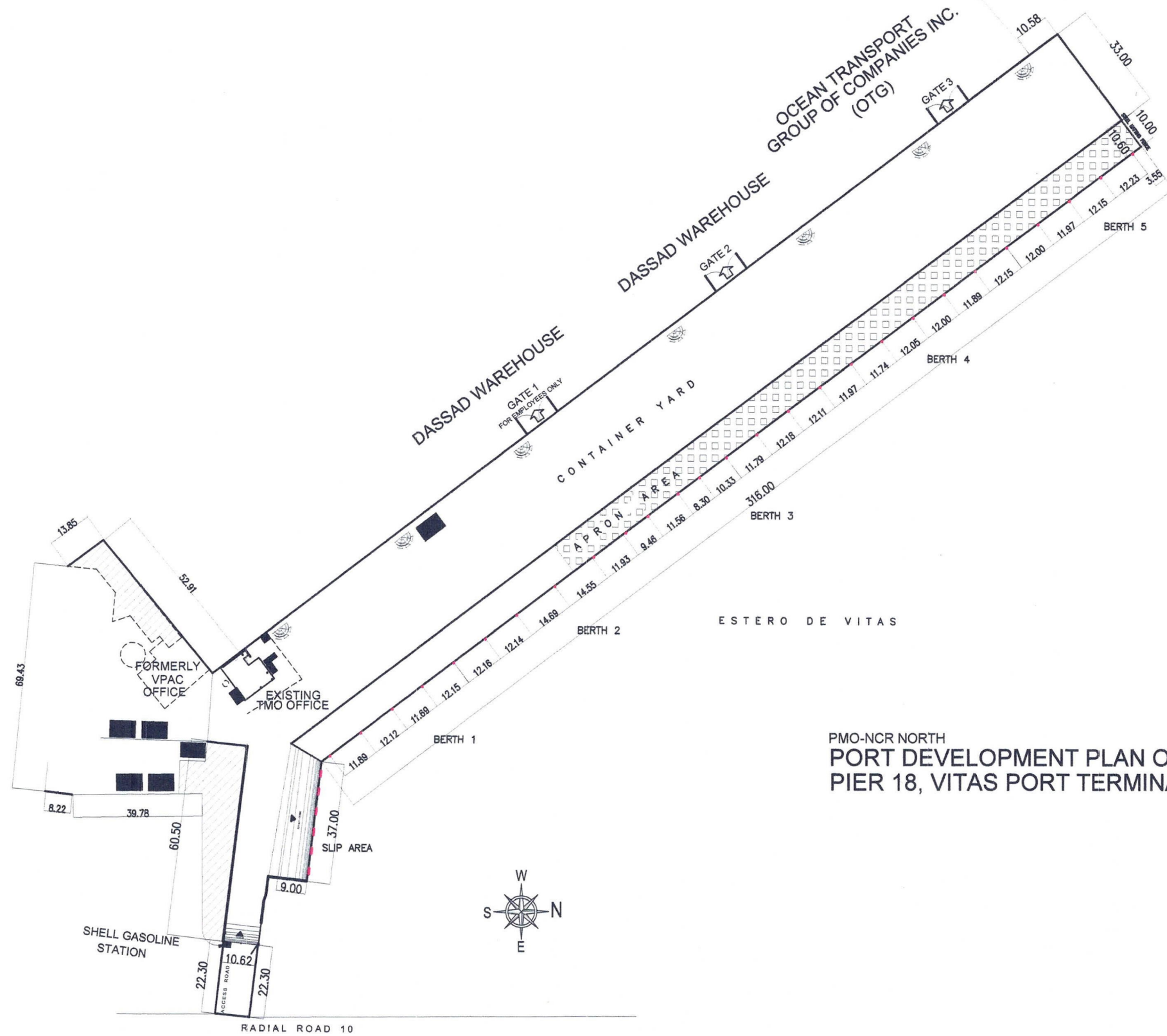




PMO-NCR NORTH
PORT DEVELOPMENT PLAN OF
PIER 18, VITAS PORT TERMINAL



PROJECT TITLE: MAINTENANCE OF PORT OF VITAS ELECTRICAL AND LIGHTING SYSTEM PIER 18, VITAS, TONDO, MANILA

PORT MANAGEMENT OFFICE-
NCR NORTH

PREPARED BY:

Andrian F. Abanilla
ANDRIAN F. ABANILLA
Engineer II

REVIEWED AND SUBMITTED BY:

Rouella Marie D. Sabate
ROUELLA MARIE D. SABATE
Supervising Engineer A

APPROVED:

Jenneliza D. Rebong
JENNELIZA D. REBONG
Port Manager, PMO-NCR North

SHEET CONTENT:

AS SHOWN

SHEET NO:

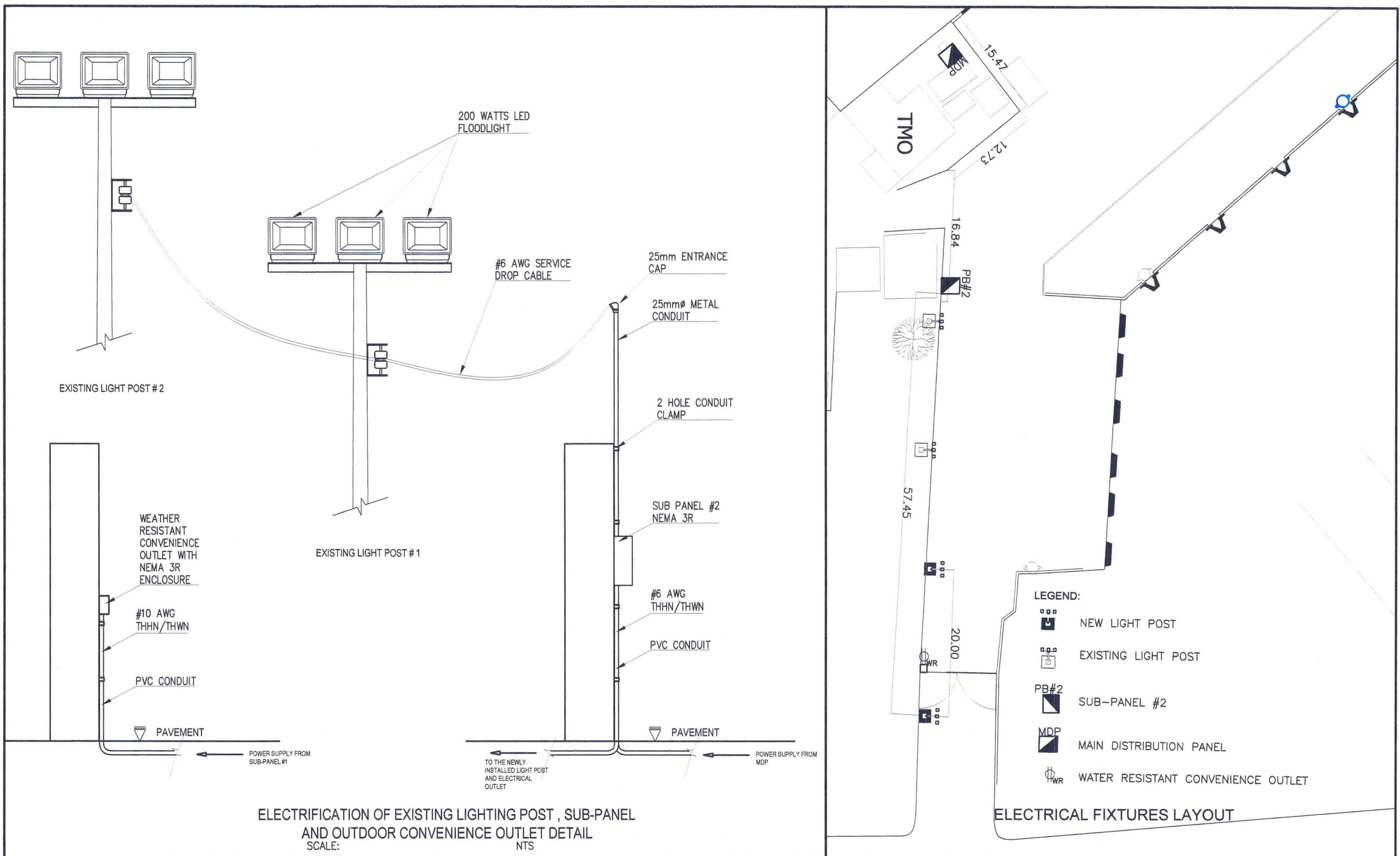
1 of 6



NOTES:

MAINTENANCE OF ELECTRICAL SYSTEM

1. USE RIGID STEEL CONDUIT
2. USE NEMA 3R RATED ELECTRICAL ENCLOSURE WITH GROUNDING BUS AND BUSBARS SUITABLE FOR THE SYSTEM FAULT LEVEL
3. NEW ELECTRICAL PANEL BOARD ASSEMBLY SHALL BE COMPLETE WITH ALL REQUIRED COMPONENTS, ACCESSORIES, AND CONNECTIONS



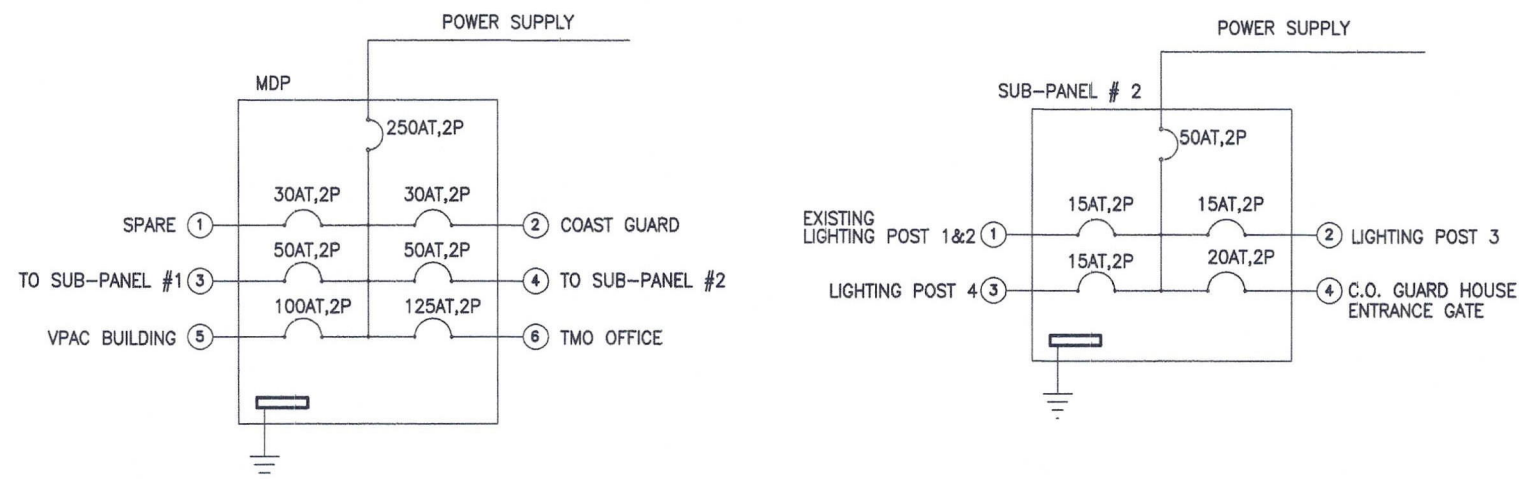
LOAD SCHEDULE

MDP

Circuit No.	Load Description	Volt	Current	Wires	Conduit Pipe	Circuit Breaker Protection
1	SPARE	220	-	EXISTING WIRES	EXISTING CONDUIT	EXISTING WIRES
2	COAST GUARD	220	-	EXISTING WIRES	EXISTING CONDUIT	EXISTING WIRES
3	SUB PANEL # 1	220	-	EXISTING WIRES	EXISTING CONDUIT	EXISTING WIRES
4	SUB PANEL # 2	220	27	3- #6 AWG THHN/THWN	25mm Ø PVC	50 AT, 2P
5	VPAC	220	-	EXISTING WIRES	EXISTING CONDUIT	EXISTING WIRES
6	TMO OFFICE	220	-	EXISTING WIRES	EXISTING CONDUIT	EXISTING WIRES
	PANEL BOARD/ MAIN CIRCUIT BREAKER	220	-	EXISTING WIRES	EXISTING CONDUIT	EXISTING WIRES

SUB PANEL # 2

Circuit No.	Load Description	Volt	Current	Wires	Conduit Pipe	Circuit Breaker Protection
1	EXISTING LIGHTING POST#1 & #2	220	6	AWG #6 SERVICE DROP CABLE	25mm Ø RSC	15 AT, 2P
2	LIGHTING POST #3	220	3	3-3.5 mm ² THHN/THWN	25mm Ø PVC	15 AT, 2P
3	LIGHTING POST #4	220	3	3-3.5 mm ² THHN/THWN	25mm Ø PVC	15 AT, 2P
4	C.O. ENTRANCE GATE /GUARD HOUSE	220	15	3-3.5 mm ² THHN/THWN	25mm Ø PVC	20 AT, 2P
	PANEL BOARD/ MAIN CIRCUIT BREAKER	220	27	3- #6 AWG THHN/THWN	25mm Ø PVC	50 AT, 2P



NOTES:

MAINTENANCE OF ELECTRICAL SYSTEM

- REMOVAL OF OLD DILAPIDATED PANEL BOARD ASSEMBLY AND SUPPLY AND INSTALL NEW ELECTRICAL PANEL BOARD ASSEMBLY
- USE NEMA 3R RATED ELECTRICAL ENCLOSURE WITH GROUNDING BUS AND BUSBARS SUITABLE FOR THE SYSTEM FAULT LEVEL
- NEW ELECTRICAL PANEL BOARD ASSEMBLY SHALL BE COMPLETE WITH ALL REQUIRED COMPONENTS, ACCESSORIES, AND CONNECTIONS

ELECTRICAL PANEL BOARD ASSY. DIAGRAM



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NCR NORTH

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ANDRIAN F. ABANILLA
Engineer II

REVIEWED AND SUBMITTED BY:

Rouella Marie D. Sabate
ROUELLA MARIE D. SABATE
Supervising Engineer A

APPROVED:

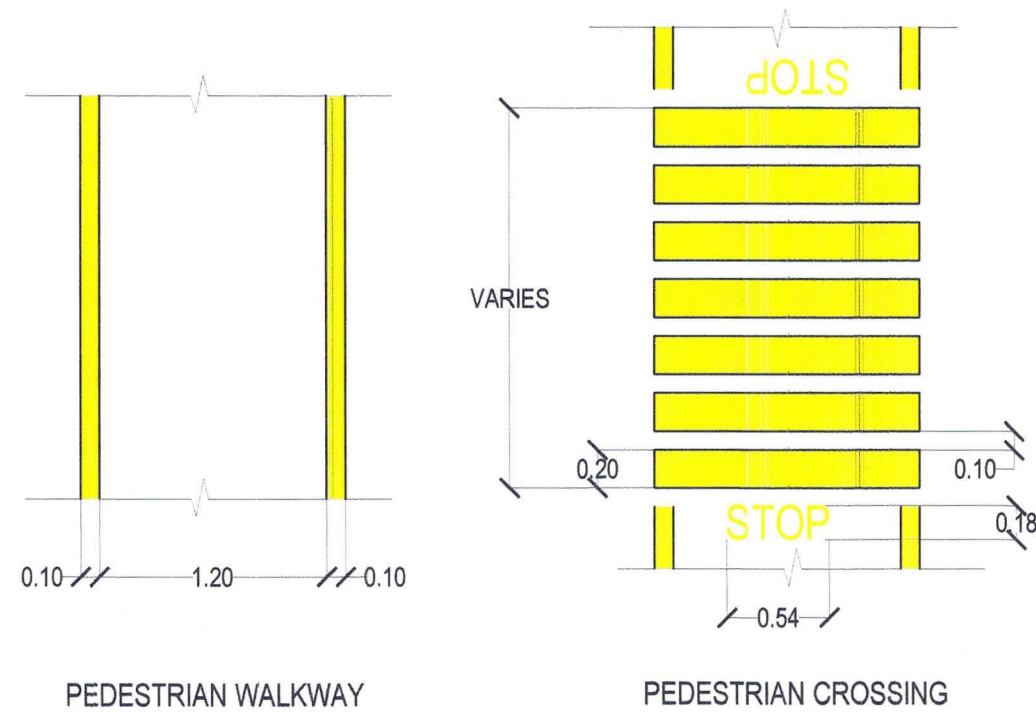
Jennel D. Rebong
JENNEL D. REBONG
Port Manager, PMO-NCR North

SHEET CONTENT:

AS SHOWN

SHEET NO:

4 of 6

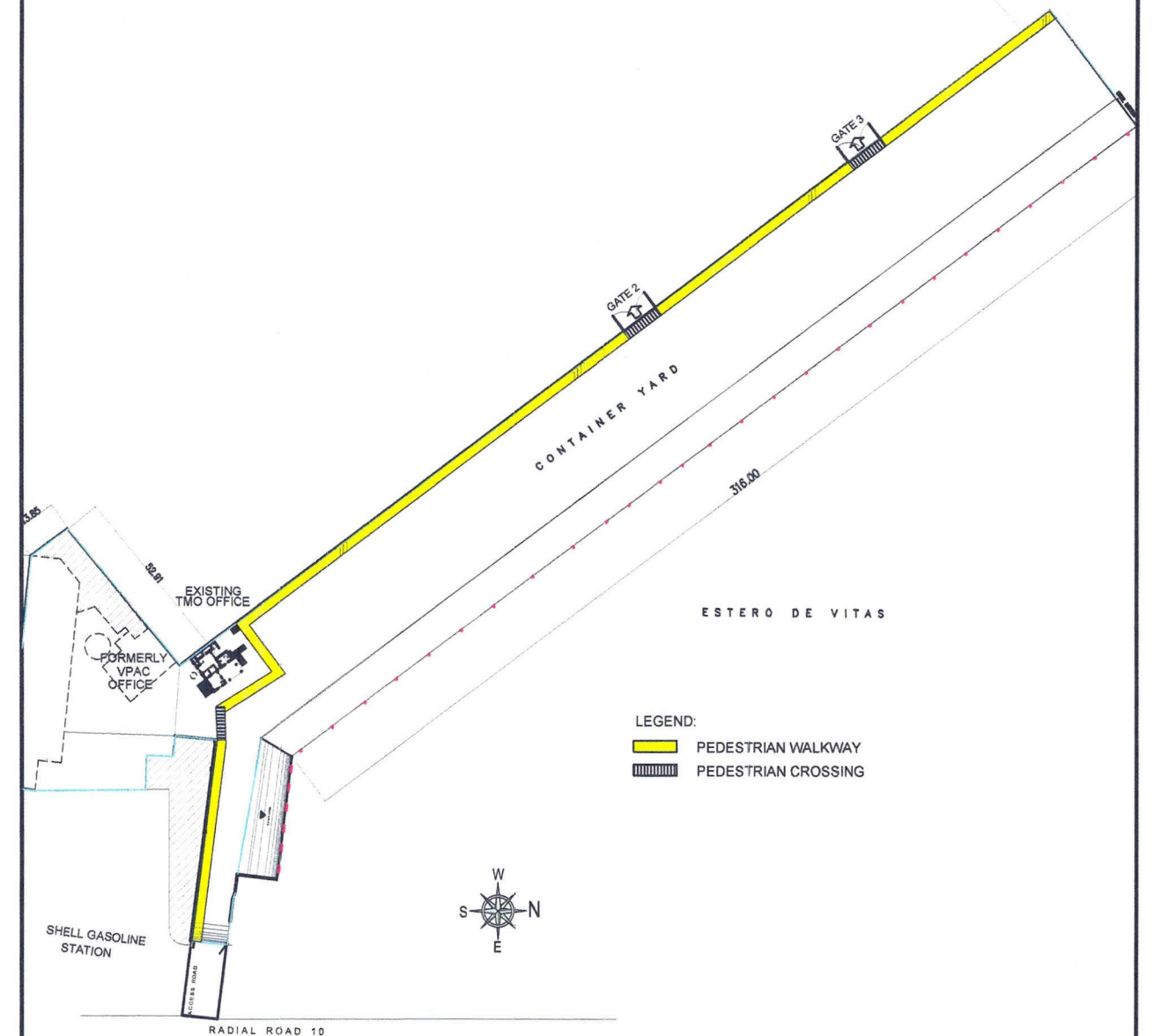


NOTES:

PEDESTRIAN WALKWAY AND CROSSING MARKINGS

1. CLEAN AND PREPARE THE PAVEMENT SURFACE BY REMOVING DIRT, DUST, GREASE, OIL, LOOSE MATERIALS, AND OTHER CONTAMINANTS THAT MAY AFFECT PAINT ADHESION.
2. LAYOUT AND MARK THE PEDESTRIAN WALKWAY AND CROSSING LINES IN ACCORDANCE WITH THE APPROVED DRAWINGS AND DIMENSIONS.
3. APPLY ONE (1) COAT OF EPOXY PRIMER AND TWO (2) COATS OF APPROVED TRAFFIC PAINT OR ROAD MARKING PAINT USING BRUSH, ROLLER, OR SPRAY APPLICATION METHOD.

PEDESTRIAN WALKWAY AND CROSSING MARKINGS
SCALE: 1:40MTS



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Supervising Engineer A

APPROVED:

Jenneliza D. Rebong
JENNELIZA D. REBONG
Port Manager, PMO-NCR North

SHEET CONTENT:

AS SHOWN

SHEET NO:

5 of 6

SIGNAGE # 1

SIGNAGE # 2

SIGNAGE # 3

SIGNAGE # 4

NOTES:

MATERIAL: 3mm ACP ALUMINUM COMPOSITE PANEL AND ENGINEERING GRADE PRISMATIC REFLECTORIZED STICKER

DIMENSION: VARIES

ORIENTATION: LANDSCAPE

SAFETY SIGNAGES

FRONT

SIDE

SIGNAGE FRAME

NOTES:

MATERIAL: 1"x1"x3MM THICK ANGULAR BAR

SURFACE FINISH: 1- COAT EPOXY PRIMER AND 2-COATS ENAMEL PAINT

CONNECTION: FULLY WELDED

SIGNAGE STEEL STAND & FRAMING

SCALE: 1:30MTS

NOTES:

1. SIGNAGE PANEL SECURED TO FRAME USING RIVETS

2. SIGNAGE FRAME TO STEEL STAND CONNECTION SHALL BE WELDED

PERSPECTIVE