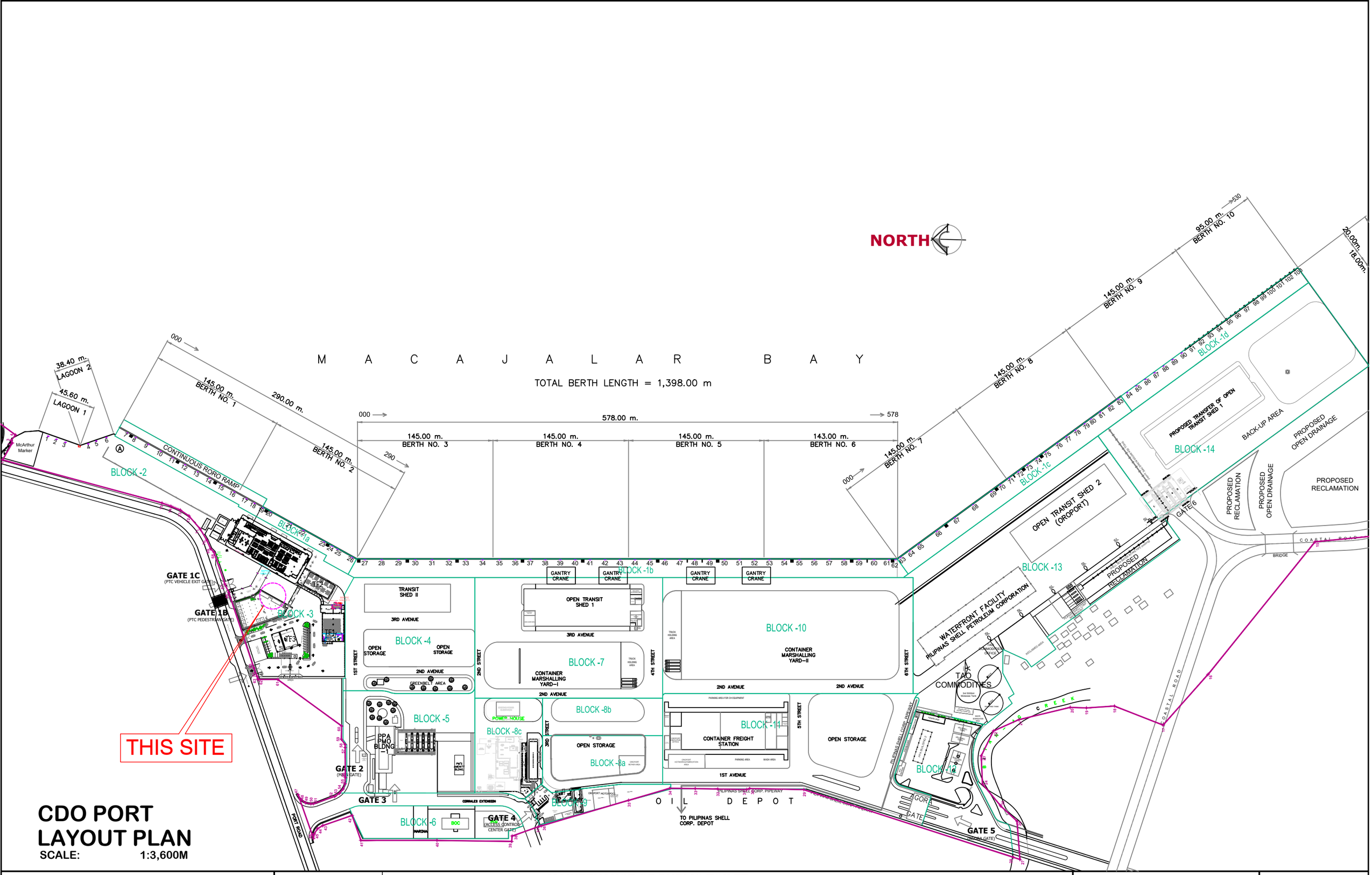


CDO PORT LAYOUT PLAN

SCALE: 1:3,600M

PHILIPPINE PORTS AUTHORITY

PORT OF CAGAYAN DE ORO
MISAMIS ORIENTAL

TITLE:	**MAINTENANCE OF PUBLIC TOILET PORT OF CAGAYAN DE ORO (MPF-08-2025)**
LOCATION:	PORT OF CAGAYAN DE ORO

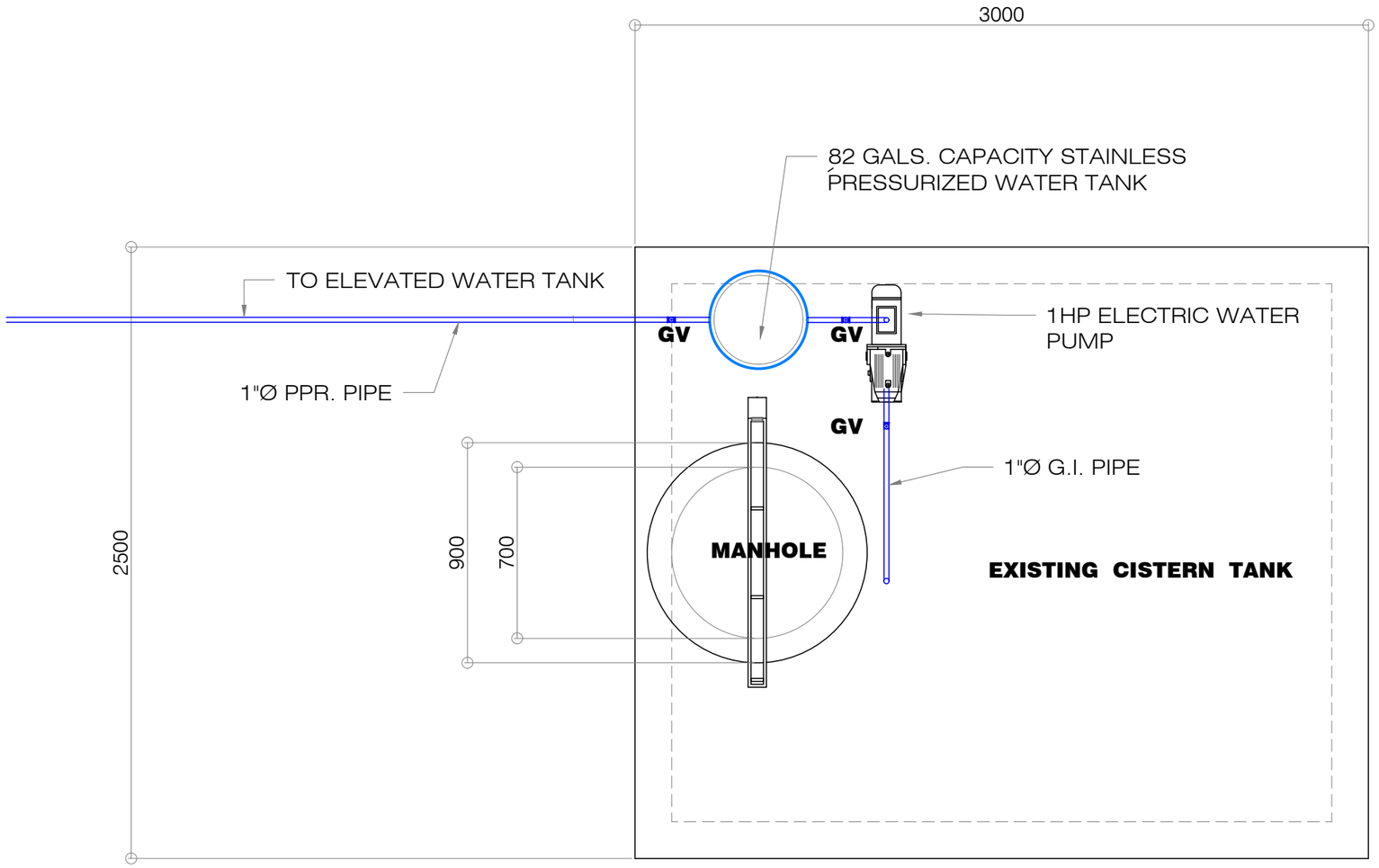
PREPARED BY:	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED:
KAREL T. SUMICAD	MARC M. AVELLANA	ANTONIO M. TORCINO, JR.	FERNANDO B. MAPALO, JR.
Construction Foreman	Supervising Engineer	Acting ESD Manager	Acting Port Manager

Digitally signed by Fernando B. Mapalo, Jr. Date: 2025.06.20 10:05:57 +08'00'

SHEET CONTENTS

LOCATION PLAN

SHEET NO. 1 / 10



PIPING PLAN

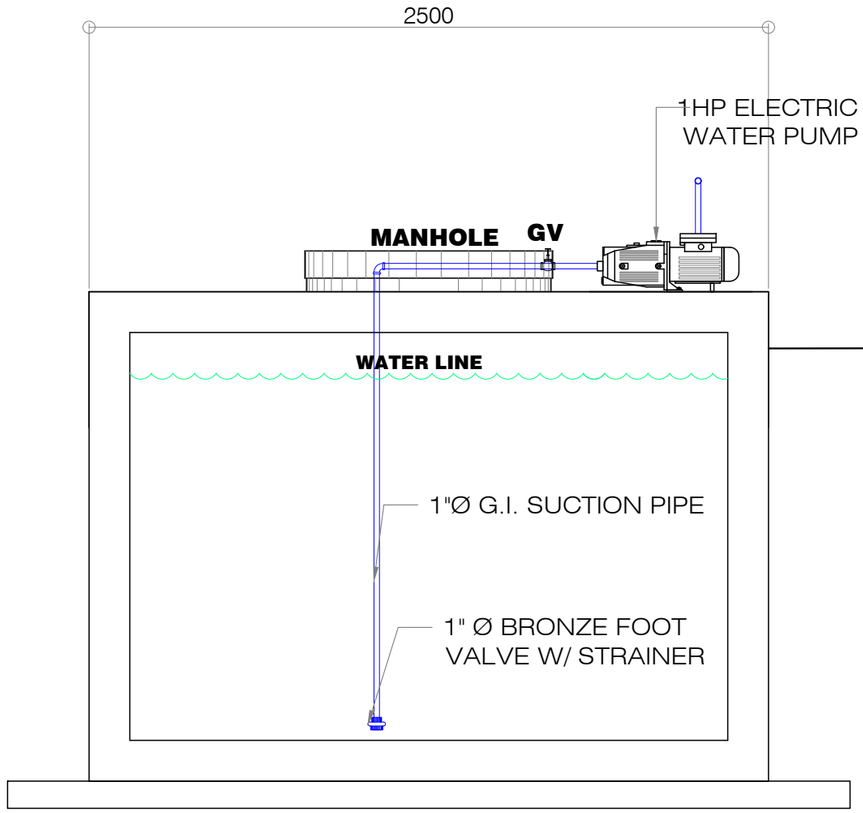
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PHILIPPINE PORTS AUTHORITY

PORT OF CAGAYAN DE ORO
MISAMIS ORIENTAL

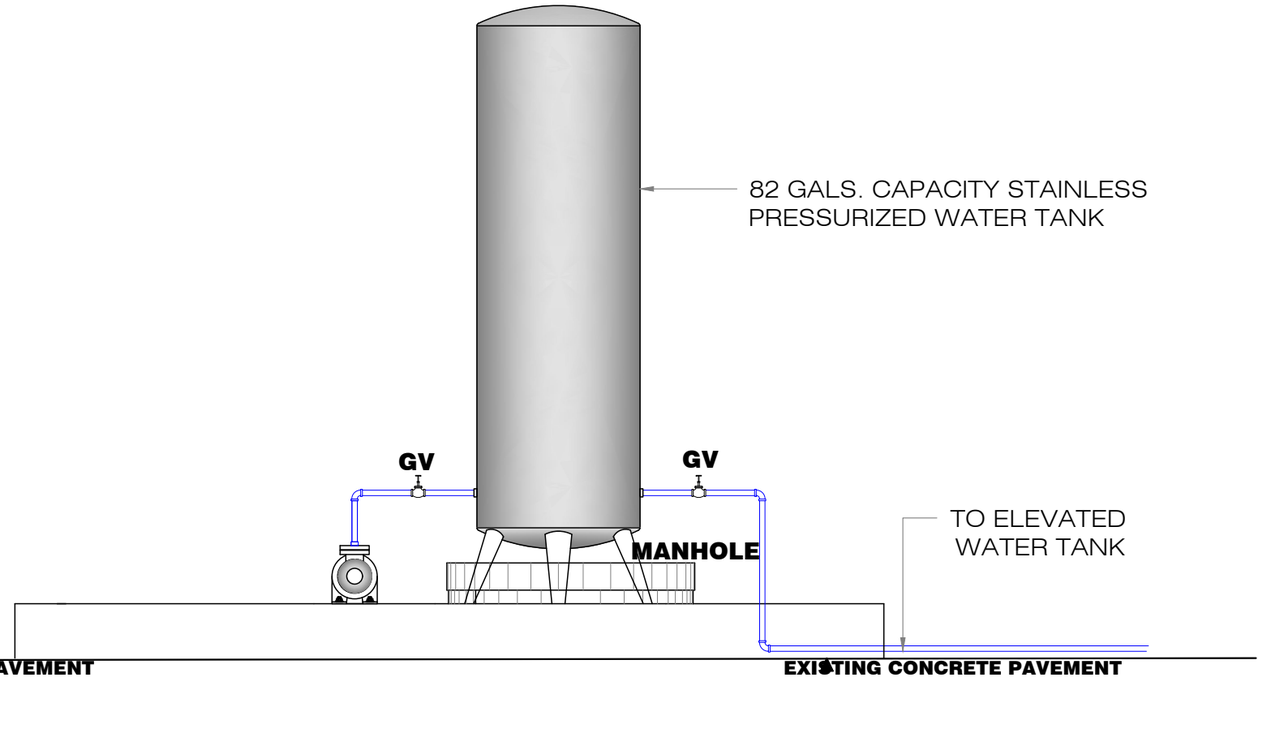
TITLE:	**MAINTENANCE OF PUBLIC TOILET PORT OF CAGAYAN DE ORO (MPF-08-2025)**		PLUMBING PLAN
LOCATION:	PORT OF CAGAYAN DE ORO		SHEET CONTENTS
PREPARED BY: KAREL T. SUMICAD, Construction Foreman	CHECKED & SUBMITTED BY: MARC M. AVELLANA, Supervising Engineer	RECOMMENDED BY: ANTONIO M. TORCINO JR., Acting ESD Manager	APPROVED: FERNANDO B. MAPALO JR., Port Manager (Digitally signed by Fernando B. Mapalo, Jr. Date: 2025.06.20 10:44:54 +08'00')	PIPING PLAN

SHEET NO. 2 / 10



DETAIL OF SUCTION PIPE

SCALE: 1:25



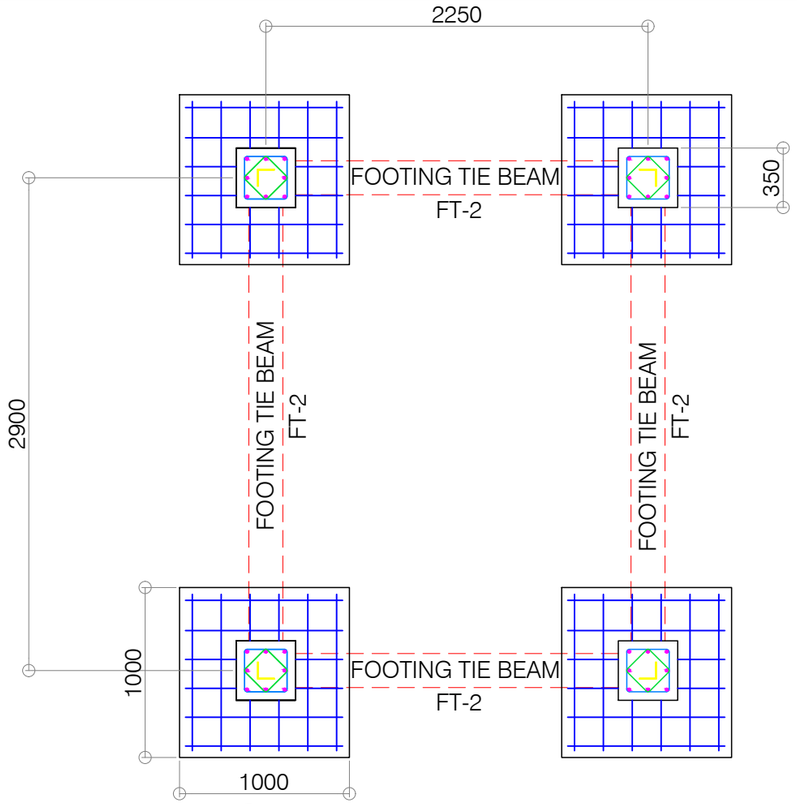
ELEVATION OF PRESSURE TANK

SCALE: 1:25

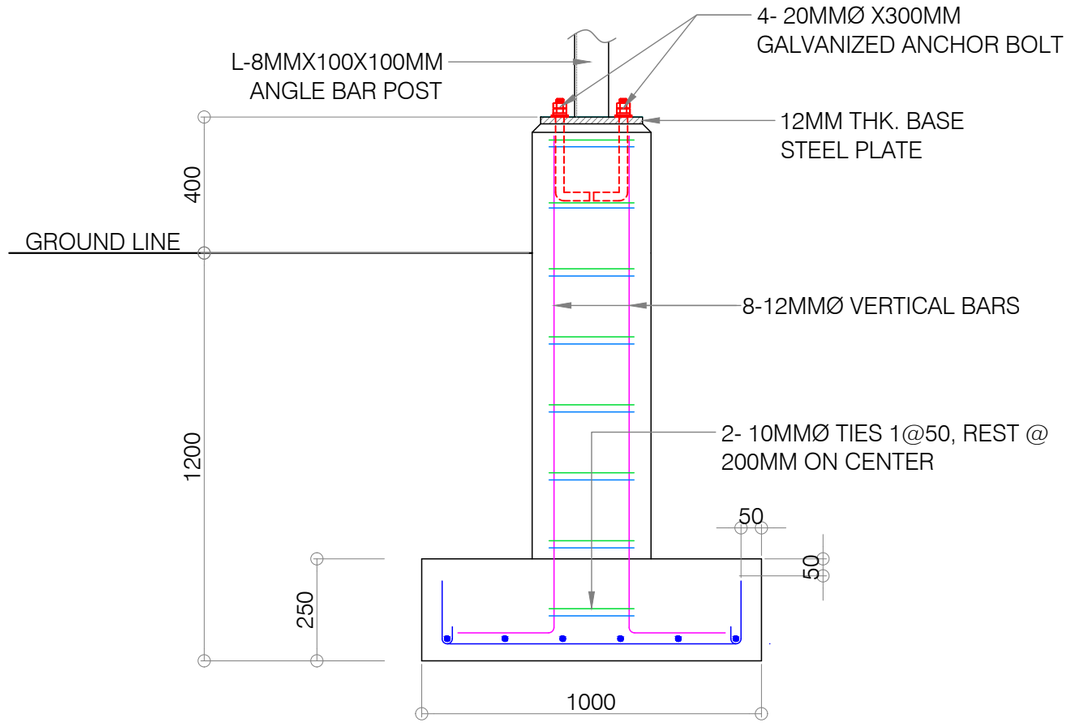
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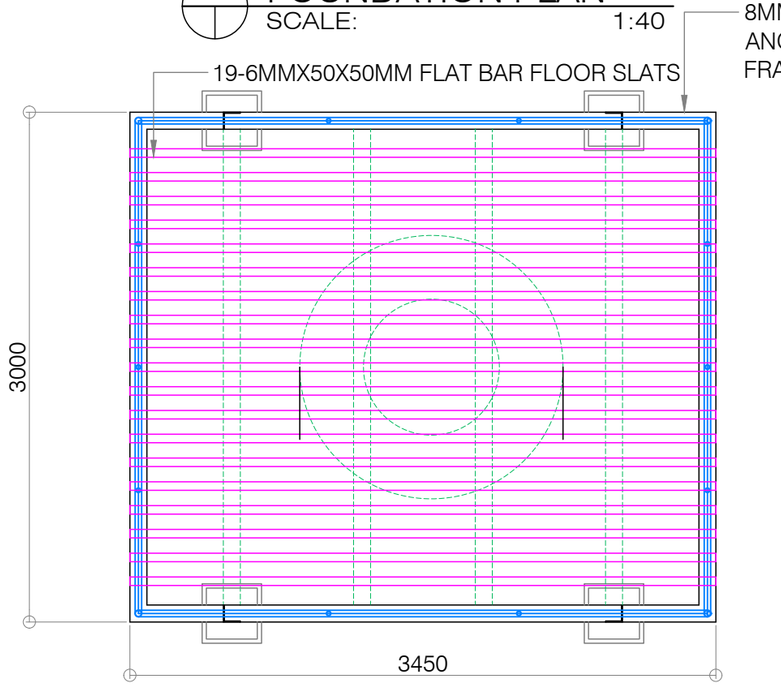
PORT OF CAGAYAN DE ORO
MISAMIS ORIENTAL

TITLE:	**MAINTENANCE OF PUBLIC TOILET PORT OF CAGAYAN DE ORO (MPF-08-2025)**			PLUMBING WORKS	SHEET NO. 3/10
LOCATION:	PORT OF CAGAYAN DE ORO			SHEET CONTENTS	
PREPARED BY: KAREL T. SUMICAD, Construction Foreman	CHECKED & SUBMITTED BY: MARC M. AVELLANA, Supervising Engineer	RECOMMENDED BY: ANTONIO M. TORCINO,JR., Acting ESD Manager	APPROVED: Digitally signed by Fernando B. Mapalo, Jr. Date: 2025.06.20 10:41:31 +08'00' FERNANDO B. MAPALO,JR., Port Manager	DETAIL OF SUCTION PIPE ELEVATION OF PRESSURE TANK	

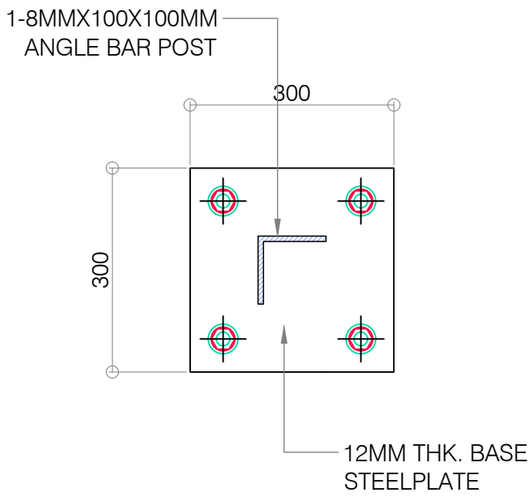


FOUNDATION PLAN
SCALE: 1:40

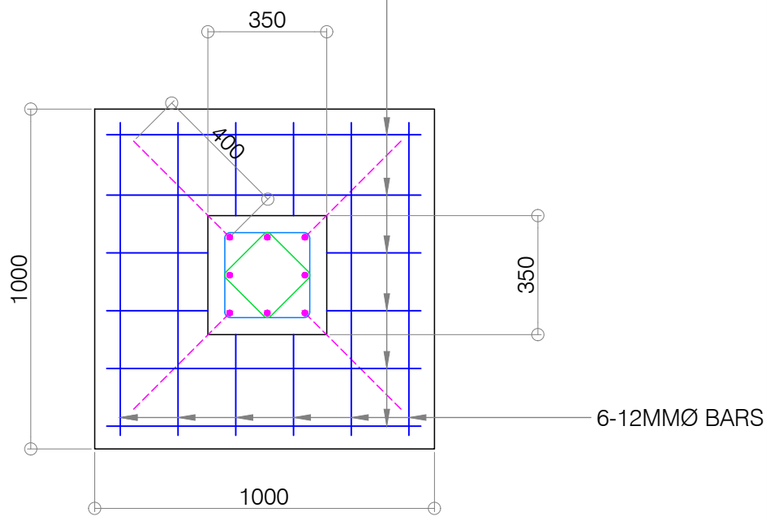




WATER TANK ELEVATED FLATFORM
SCALE: 1:40



BASE PLATE
SCALE: 1:10



PLAN

FOOTING & COLUMN DETAIL
SCALE: 1:20

PHILIPPINE PORTS AUTHORITY

PORT OF CAGAYAN DE ORO
MISAMIS ORIENTAL

TITLE: **MAINTENANCE OF PUBLIC TOILET PORT OF CAGAYAN DE ORO (MPF-08-2025)**

LOCATION: PORT OF CAGAYAN DE ORO

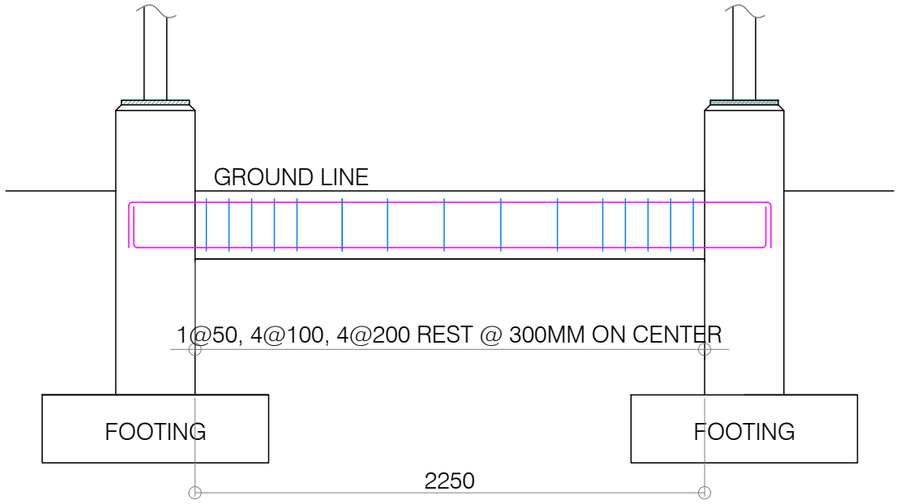
PREPARED BY:	CHECKED & SUBMITTED BY:	RECOMMENDED BY:	APPROVED:
KAREL T. SUMICAD	MARC M. AVELLANA	ANTONIO M. TORCINO,JR.	FERNANDO B. MAPALO,JR.
Construction Foreman	Supervising Engineer	Acting ESSD Manager	Port Manager

Digitally signed by Fernando B. Mapalo, Jr.
Date: 2025.06.20 10:41:47

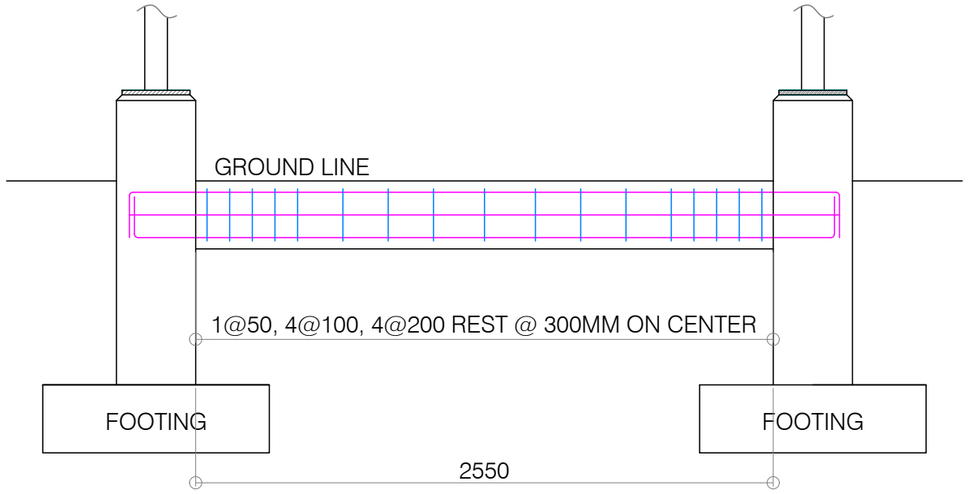
SHEET CONTENTS

WATER TANK ELEVATED FLATFORM
FOOTING & COLUMN DETAIL
FOUNDATION PLAN
BASE PLATE

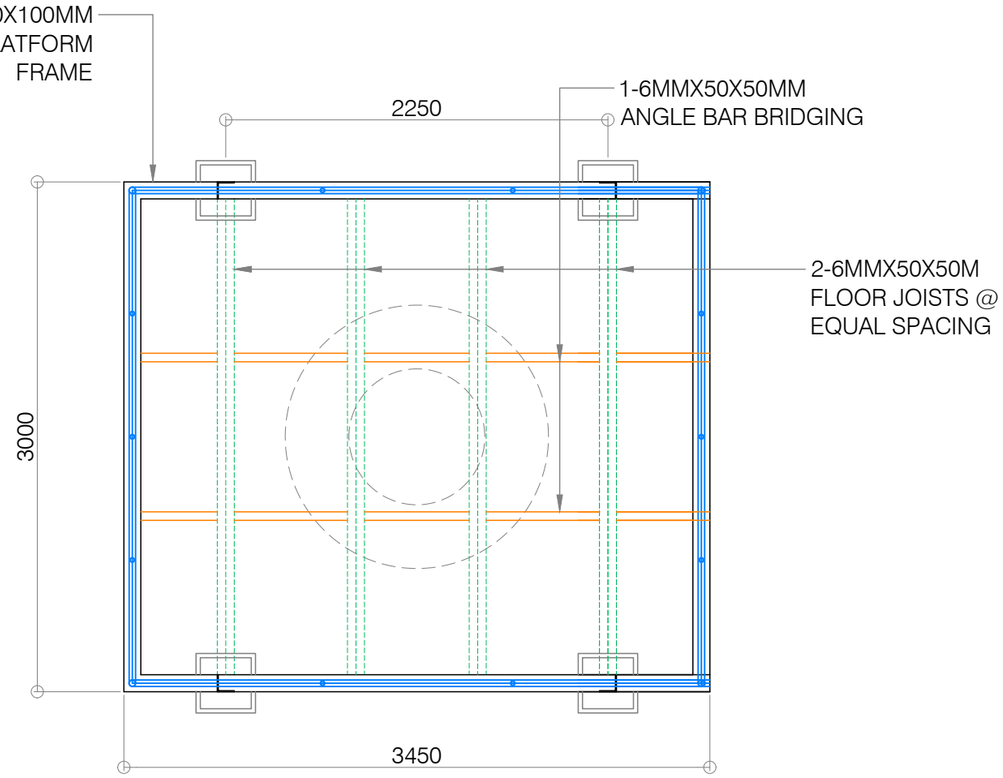
SHEET NO. 4 / 10



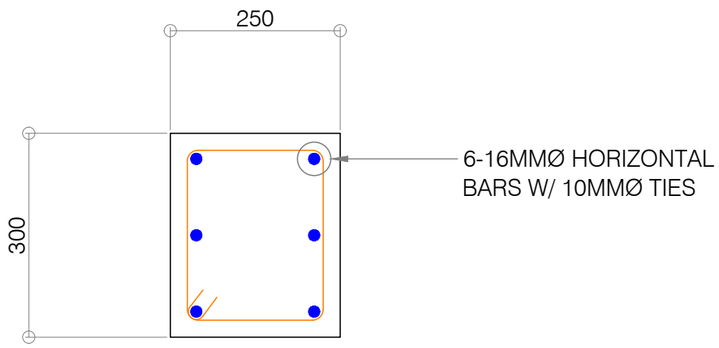
DETAIL OF FOOTING TIE BEAM-1
SCALE: 1:30



DETAIL OF FOOTING TIE BEAM-2
SCALE: 1:30



DETAIL OF FLATFORM FRAMING
SCALE: 1:40



TYPICAL FOOTING TIE BEAM SECTION
SCALE: 1:30

PHILIPPINE PORTS AUTHORITY

PORT OF CAGAYAN DE ORO
MISAMIS ORIENTAL

TITLE: **MAINTENANCE OF PUBLIC TOILET PORT OF CAGAYAN DE ORO (MPF-08-2025)**

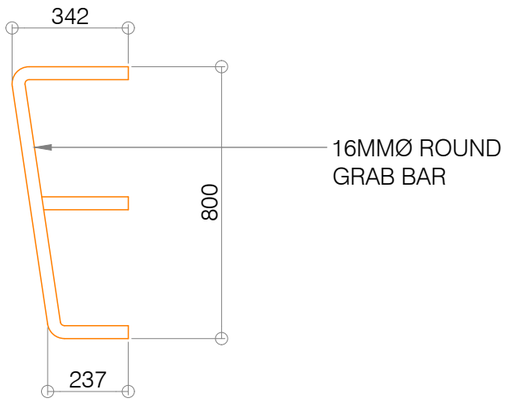
LOCATION: PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED & SUBMITTED BY:	RECOMMENDED BY:	APPROVED:
KAREL T. SUMICAD	MARC M. AVELLANA	ANTONIO M. TORCINO, JR.	FERNANDO B. MAPALO, JR.
Construction Foreman	Supervising Engineer A	Acting ESSD Manager	Port Manager

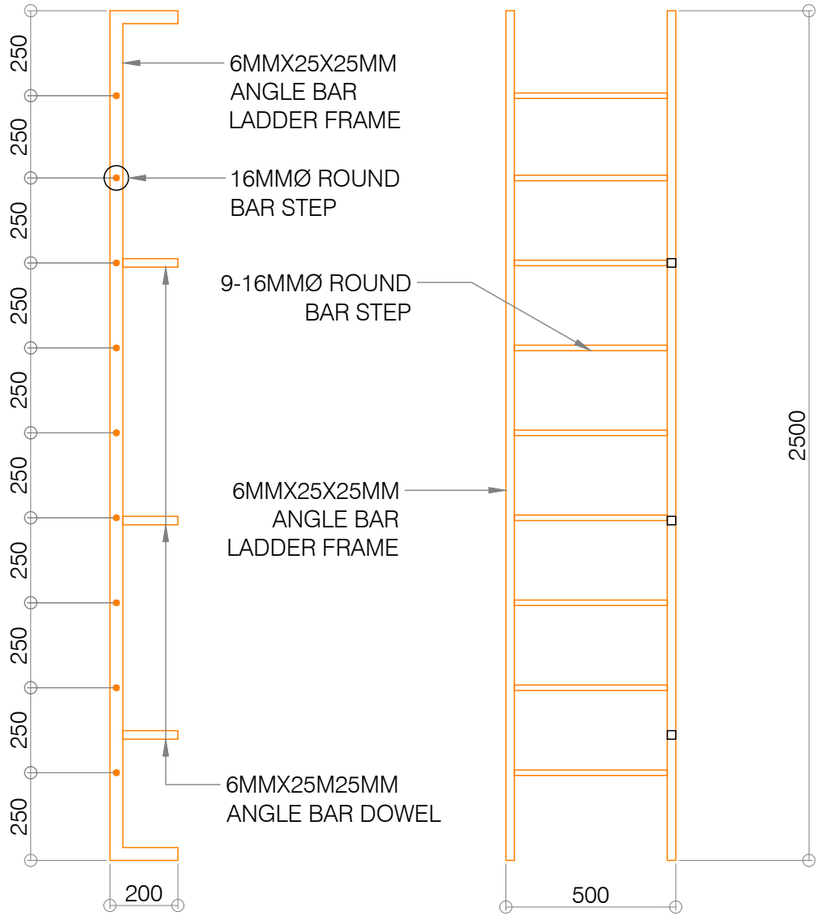
Digitally signed by Fernando B. Mapalo, Jr.
Date: 2025.06.20 10:41:59 +08'00'

SHEET CONTENTS
- TYPICAL FOOTING TIE BEAM SECTION
- DETAIL OF FLATFORM FRAMING
- DETAIL OF FOOTING TIE BEAM-1
- DETAIL OF FOOTING TIE BEAM-2

SHEET NO. 5 / 10



DETAIL OF GRAB BAR
SCALE: 1:20

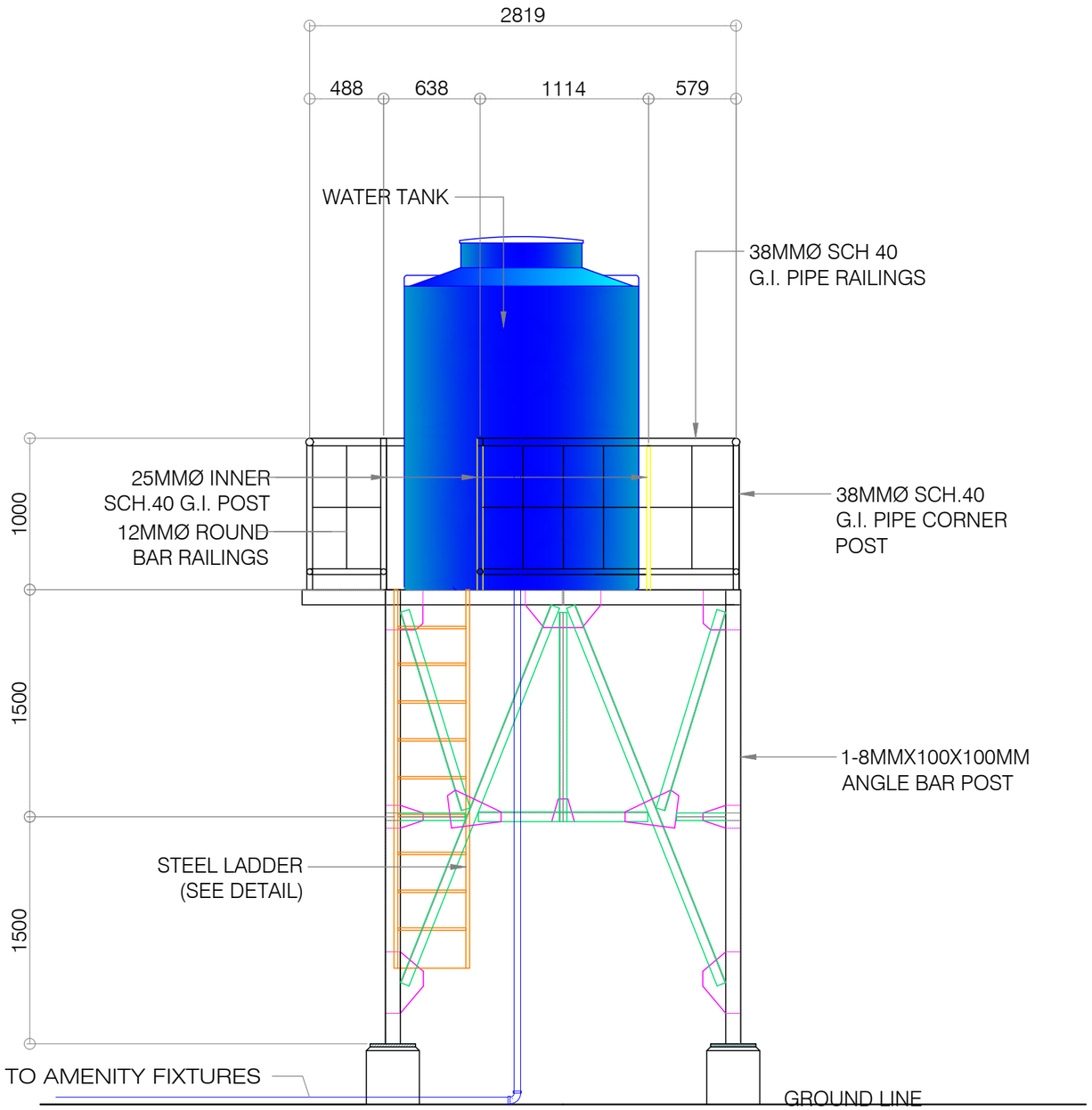


DETAIL OF STEEL LADDER
SCALE: 1:20

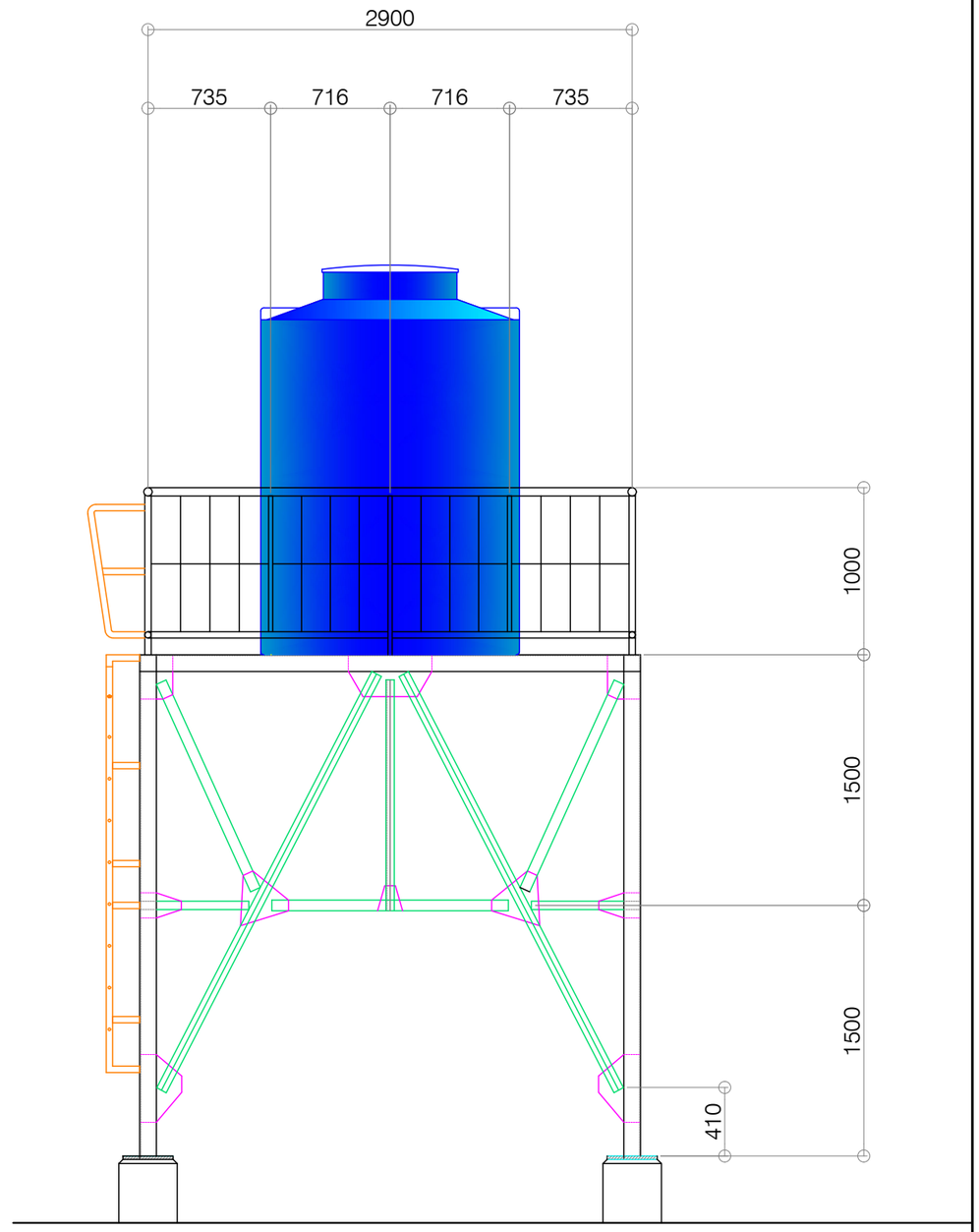
PHILIPPINE PORTS AUTHORITY

PORT OF
CAGAYAN DE ORO
MISAMIS ORIENTAL

TITLE:	**MAINTENANCE OF PUBLIC TOILET PORT OF CAGAYAN DE ORO (MPF-08-2025)**			SHEET NO. 6/10
LOCATION:	PORT OF CAGAYAN DE ORO			SHEET CONTENTS
PREPARED BY: KAREL T. SUMICAD, Construction Foreman	CHECKED & SUBMITTED BY: MARC M. AVELLANA, Supervising Engineer	RECOMMENDED BY: ANTONIO M. TORCINO JR., Acting ESD Manager	APPROVED: FERNANDO B. MAPALO JR., Port Manager (Digitally signed by Fernando B. Mapalo, Jr. Date: 2025.06.20 10:42:24 +08'00')	DETAIL OF STEEL LADDER DETAIL OF INSPECTION LADDER DETAIL OF GRAB BAR



FRONT ELEVATION



RIGHT SIDE ELEVATION

DETAIL OF ELEVATED WATER TANK
SCALE: 1:40

PHILIPPINE PORTS AUTHORITY

PORT OF
CAGAYAN DE ORO
MISAMIS ORIENTAL

TITLE: **MAINTENANCE OF PUBLIC TOILET PORT OF CAGAYAN DE ORO (MPF-08-2025)**

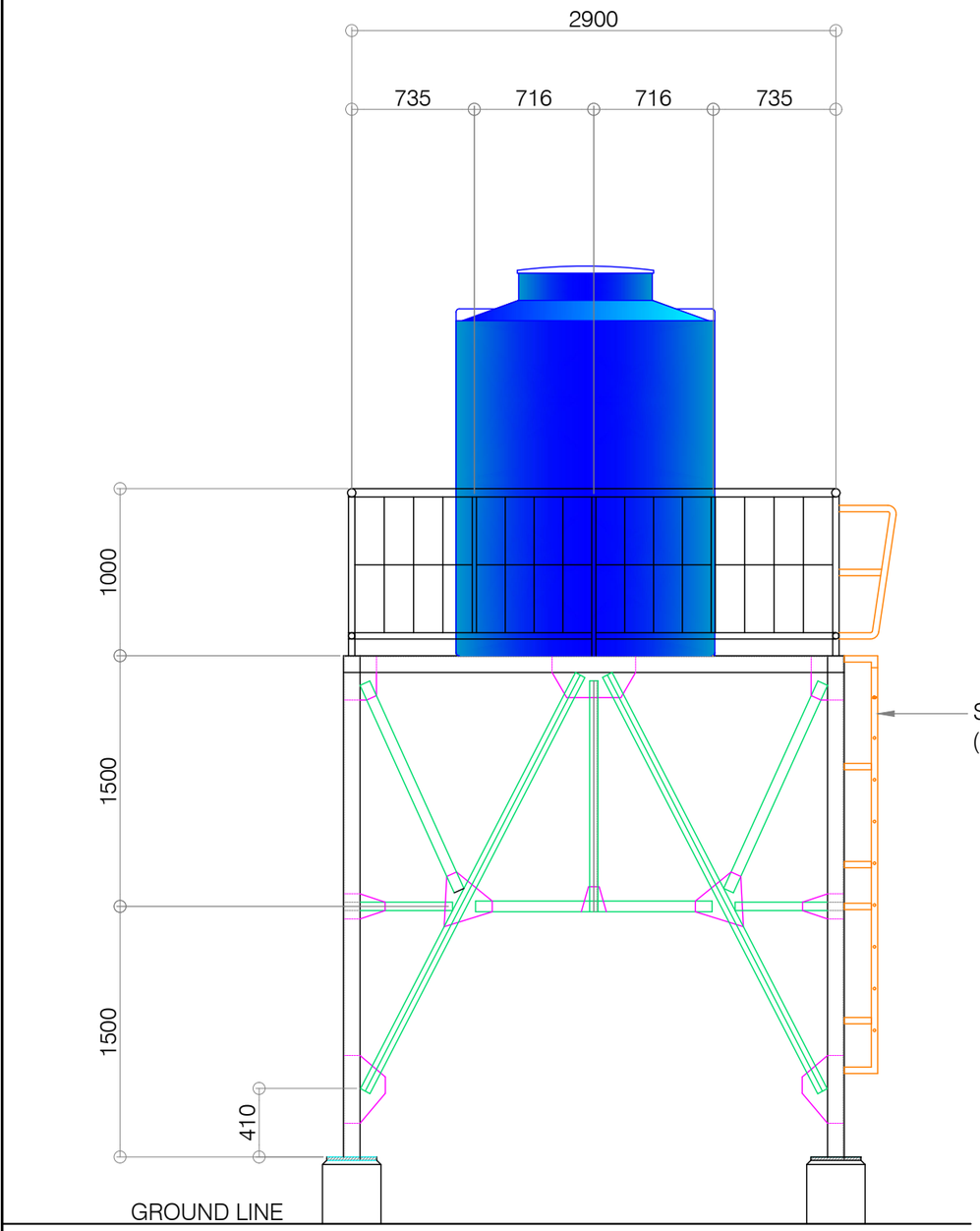
LOCATION: PORT OF CAGAYAN DE ORO

SHEET CONTENTS: DETAIL OF ELEVATED WATER TANK

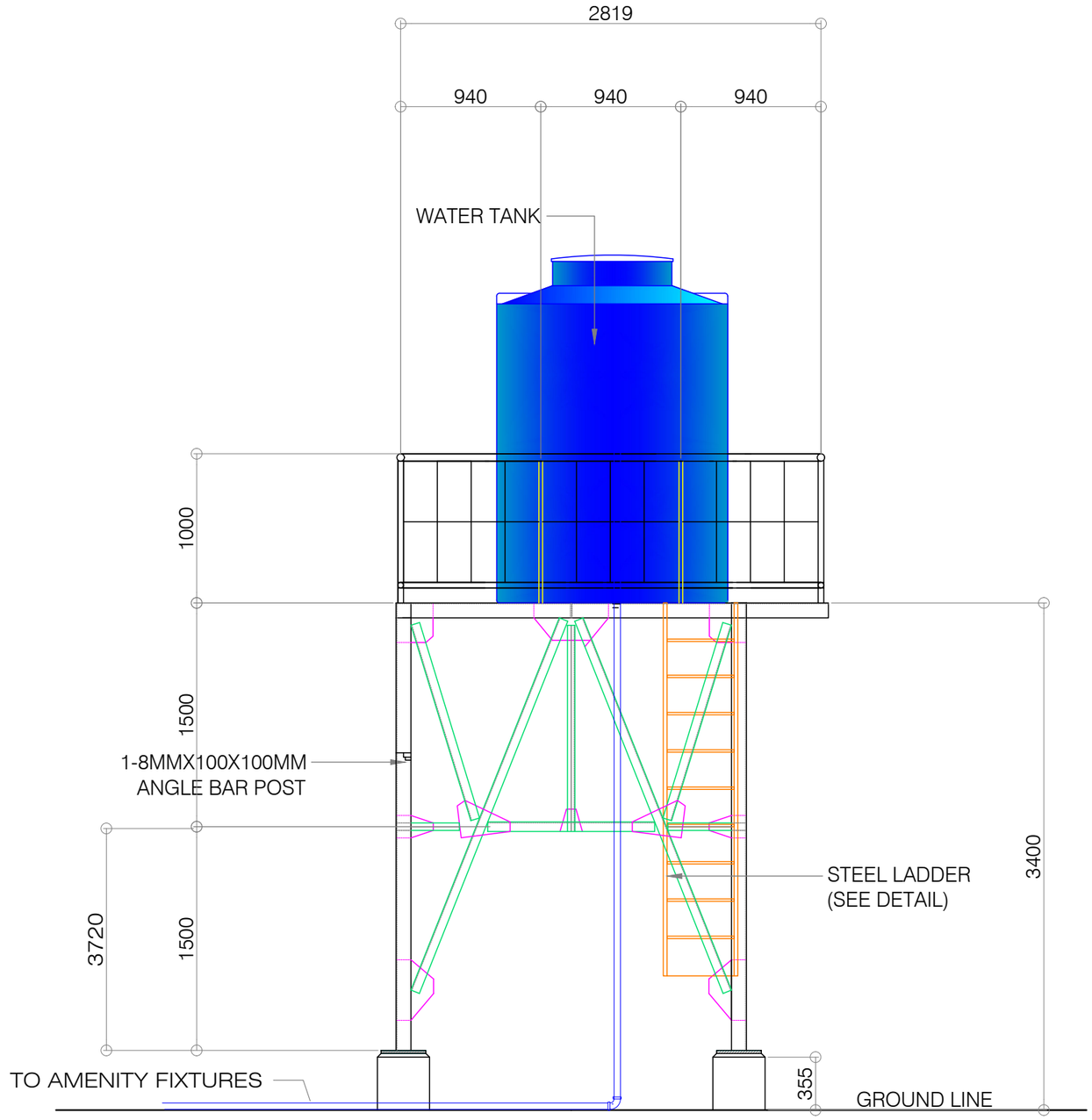
SHEET NO. 7/10

PREPARED BY:	CHECKED & SUBMITTED BY:	RECOMMENDED BY:	APPROVED:
KAREL T. SUMICAD	MARC M. AVELLANA	ANTONIO M. TORCINO JR.	FERNANDO B. MAPALO JR.
Construction Foreman	Supervising Engineer A	Acting ESD Manager	Port Manager

Digitally signed by Fernando B. Mapalo, Jr.
Date: 2025.06.20



LEFT SIDE ELEVATION



REAR SIDE ELEVATION

DETAIL OF ELEVATED WATER TANK

SCALE: 1:40

PHILIPPINE PORTS AUTHORITY

PORT OF CAGAYAN DE ORO
MISAMIS ORIENTAL

TITLE:	**MAINTENANCE OF PUBLIC TOILET PORT OF CAGAYAN DE ORO (MPF-08-2025)**
LOCATION:	PORT OF CAGAYAN DE ORO

PREPARED BY:	CHECKED & SUBMITTED BY:	RECOMMENDED BY:	APPROVED:
KAREL T. SUMICAD	MARC M. AVELLANA	ANTONIO M. TORCINO,JR.	FERNANDO B. MAPALO,JR.
Construction Foreman	Supervising Engineer	Acting ESD Manager	Port Manager

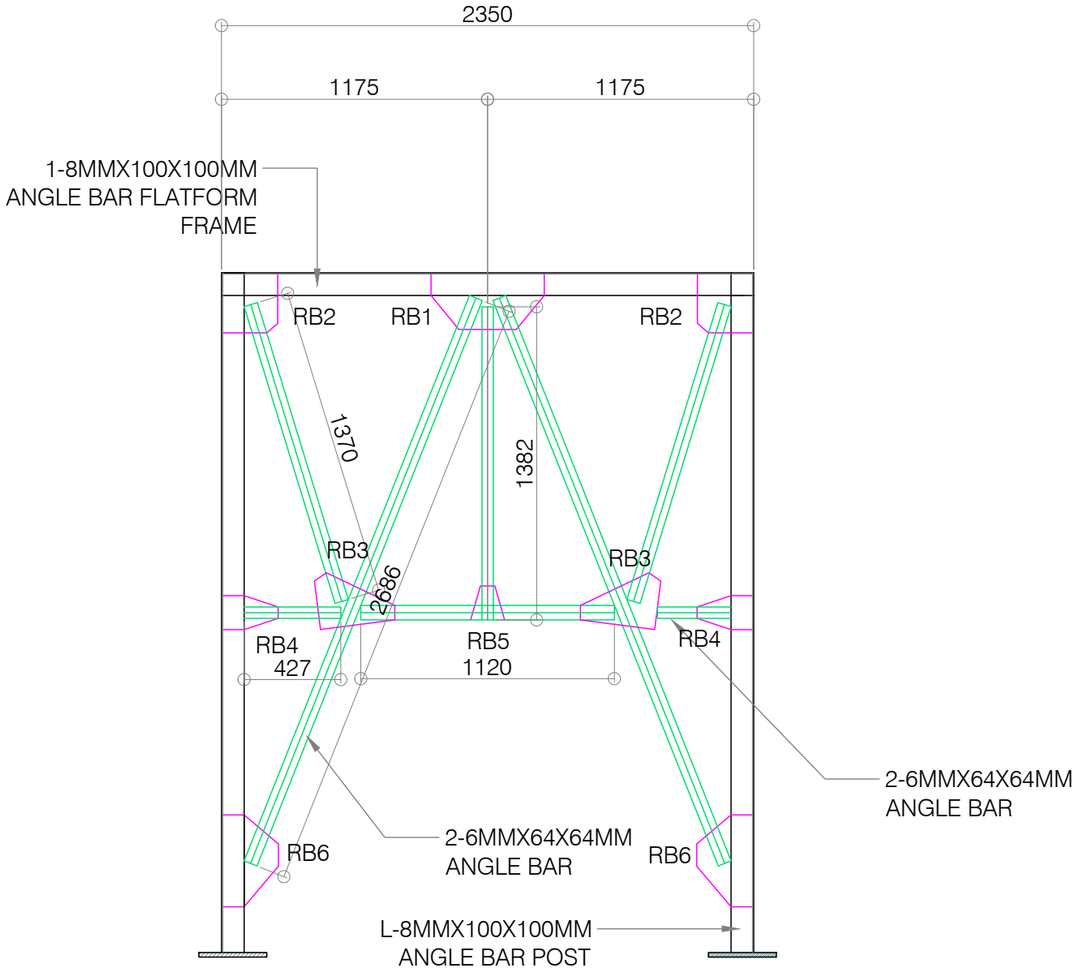
Digitally signed by Fernando B. Mapalo, Jr.
Date: 2025.06.20 10:42:54 -08'00'

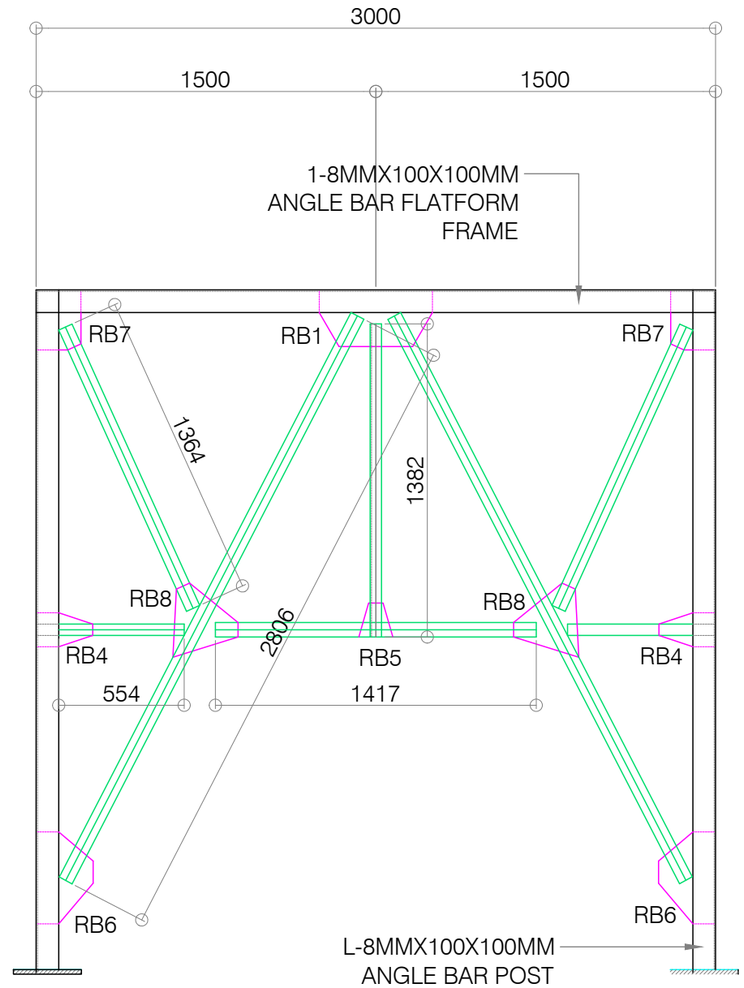
SHEET CONTENTS

DETAIL OF ELEVATED WATER TANK

SHEET NO.

8
10





SUPPORT AND BRACING
SCALE: 1:30

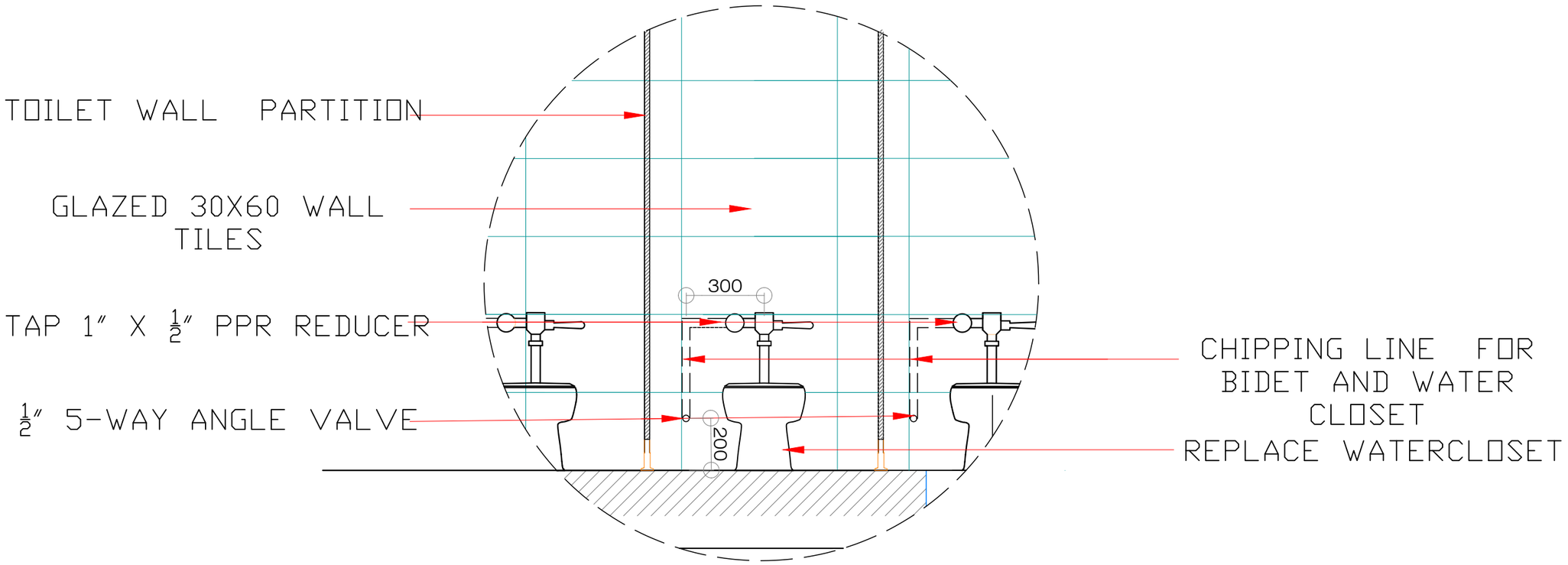
PHILIPPINE PORTS AUTHORITY

PORT OF CAGAYAN DE ORO
MISAMIS ORIENTAL

TITLE:	**MAINTENANCE OF PUBLIC TOILET PORT OF CAGAYAN DE ORO (MPF-08-2025)**		SHEET NO. 9/10
LOCATION:	PORT OF CAGAYAN DE ORO		SHEET CONTENTS: SUPPORT AND BRACING

PREPARED BY:	CHECKED & SUBMITTED BY:	RECOMMENDED BY:	APPROVED:
KAREL T. SUMICAD	MARC M. AVELLANA	ANTONIO M. TORCINO,JR.	FERNANDO B. MAPALO,JR.
Construction Foreman	Supervising Engineer	Acting EDSD Manager	Port Manager

Digitally signed by Fernando B. Mapalo, Jr.
Date: 2025.06.20



AMENITY BUILDING TOILET SECTION

PHILIPPINE PORTS AUTHORITY

PORT OF CAGAYAN DE ORO
MISAMIS ORIENTAL

TITLE:	**MAINTENANCE OF PUBLIC TOILET PORT OF CAGAYAN DE ORO (MPF-08-2025)**	PLUMBING PLAN	SHEET NO. 10/10
LOCATION:	PORT OF CAGAYAN DE ORO	SHEET CONTENTS	
PREPARED BY: KAREL T. SUMICAD, Construction Foreman	CHECKED & SUBMITTED BY: MARC M. AVELLANA, Supervising Engineer	RECOMMENDED BY: ANTONIO M. TORCINO,JR., Acting ESD Manager	APPROVED: FERNANDO B. MAPALO,JR., Port Manager (Digitally signed by Fernando B. Mapalo, Jr. Date: 2025.06.20 10:43:26 +08'00')	PIPING PLAN	