

SCOPE OF WORKS

- A. CEILING WORKS: (CEILING EAVES)
- ALL FRAMING WORKS FOR CEILING MUST BE REPLACE.
 - ALL CEILING EAVES INCLUSIVE TO RENOVATION MUST BE REPLACE WITH PRE-PAINTED, GA#22 RIB TYPE SPANDREL (SEE APPROVED SAMPLE).
- B. SEWAGE TREATMENT FACILITY:
- SEWAGE TREATMENT FACILITY WORKS, INSTALLATION AND TEST APPLICATION ARE INCLUSIVE,
 - FULL PACKAGE OF SPECIFIED STP AS PER END USER'S REQUIREMENT & MUST BE APPROVED BY THE CSWS OFFICE.
 - PLATFORM AND OTHER THE LIKE WORKS MUST CONFORM TO THE SPECIFICATION OF CSWS OFFICE.
- C. CISTERN TANK:
- EXCAVATION OR OTHER STRUCTURAL WORKS MUST CONFORM AS SPECIFIED IN DETAILS SET BY CSWS
 - PLUMBING WORKS AND IT'S MECHANICAL COMPONENT ARE INCLUSIVE TO THE SCOPE OF WORK.
- D. OVERHEAD TANK:
- EXCAVATION AND OTHER STRUCTURAL STRUCTURAL WORKS ARE PART OF THE SCOPE
 - METAL WORK FABRICATIONS+INSTALLATION ARE INCLUSIVE TO THE SCOPE OF WORKS.
 - ALL WORKS MUST CONFORM AS SPECIFIED IN DETAILS SET BY CSWS OFFICE.
- E. FACADE:
- SPECIFIED CLEANING, PATCHING AND REPAIR OF THE FACADE MUST BE POLISHED AS SPECIFIED IN THE PLAN & DETAILS.
 - APPLICATION OF EXTERIOR SUBSTRATES BEFORE PAINTING MUST BE PERFORMED WITH IT'S NECESSARY PREPARATION.
 - PAINTING APPLICATION FROM PRIMER TO TOP COAT MUST CONFORMED TO THE SPECIFIED COLOR SET @ THE PLAN AND DETAILS.

1.0 GENERAL NOTES:

- 1.1 ALL DIMENSIONS ARE SHOWN IN EITHER MILLIMETERS OR METERS, ELEVATIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- 1.2 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE AND SHALL NOTIFY THE ENGINEER OF DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.
- 1.3 ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS OR DETAILS. NOTES AND DETAILS ON DRAWING SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- 1.4 THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURES. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION UNLESS SO STATED. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PROTECT THE STRUCTURES, ADJACENT PROPERTIES, WORKMEN AND OTHER PERSONS DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND/ OR THE ENGINEER OF ANY CONDITION WHICH IN HIS OPINION MIGHT ENDANGER THE STABILITY OF THE STRUCTURES OR CAUSE DISTRESS IN THE STRUCTURES.
- 1.5 CONSTRUCTION MATERIALS SHALL NOT BE STORED ON POURED FLOORS, IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE SUB-CONTRACTORS ARE INFORMED AND DO NOT VIOLATE THIS IMPORTANT REQUIREMENT.
- 1.6 THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING FOR ALL THE STRUCTURAL MEMBERS AS REQUIRED FOR STRUCTURE STABILITY DURING ALL PHASES OF CONSTRUCTION.
- 1.7 THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO ENSURE THE PROPER ALIGNMENT OF THE STRUCTURES AFTER THE INSTALLATION OF ALL STRUCTURAL AND FINISH MATERIALS.
- 1.8 TYPICAL DETAILS AND GENERAL NOTES APPLY TO ALL PARTS OF THE JOB UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

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PERSPECTIVE
SCALE: _____ NTS.

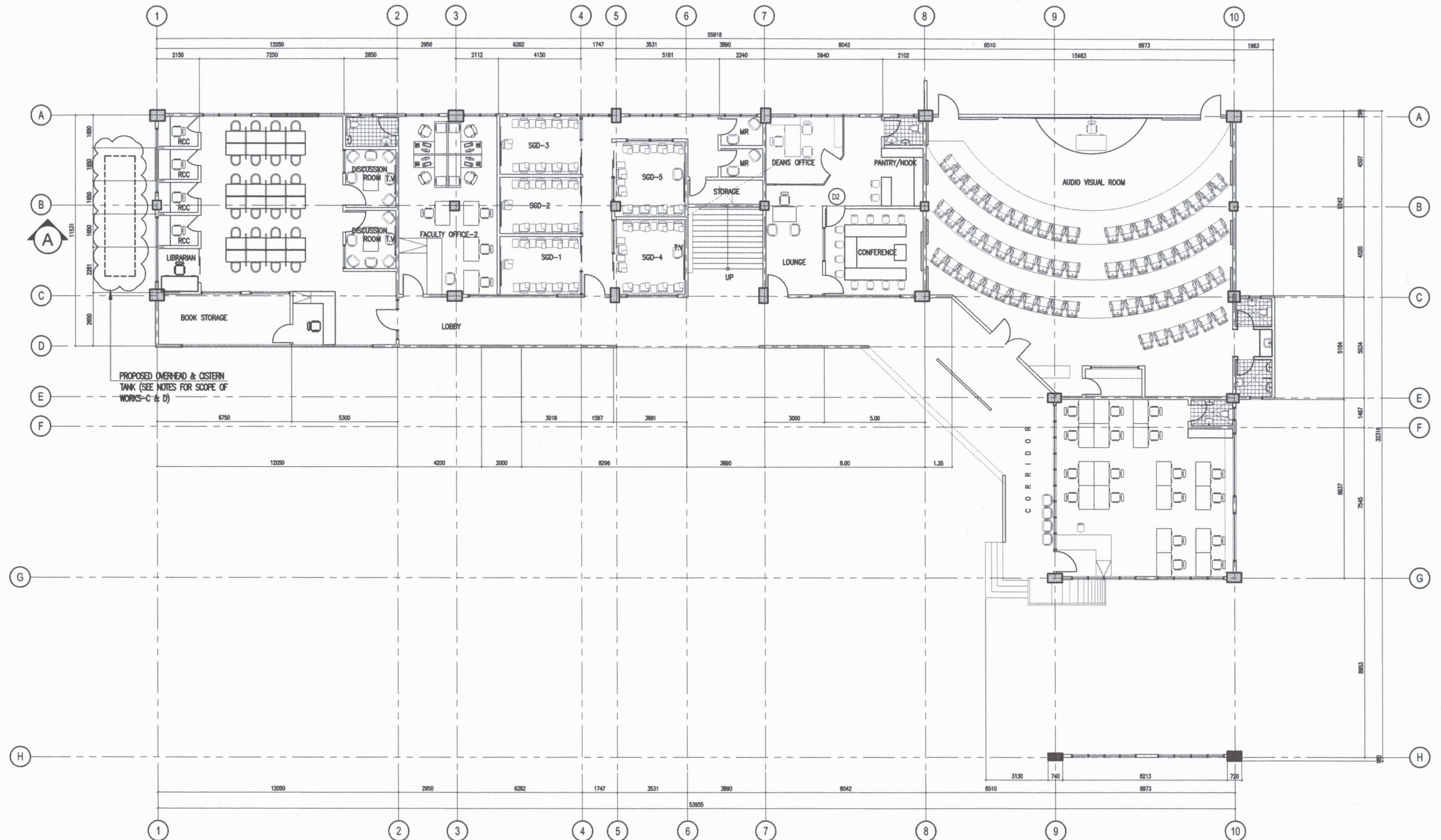
	REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES CAGAYAN DE ORO CITY 9000	PREPARED BY : AR. CHRIS FRANCIS N. ASPIRAS ARCHITECT, CSWU	PROJECT PROPOSED RENOVATION OF THE ITB FOR COLLEGE OF MEDICINE (PHASE 3)	RECOMMENDING APPROVAL: ENGR. EDEGM LLOYD S. BALABIS DIRECTOR, AUXILIARY MANAGEMENT SERVICES	RECOMMENDING APPROVAL: ATTY. JONATHAN S. OCHE VICE CHANCELLOR FOR FINANCE & ADMINISTRATION	APPROVED BY : ATTY. DIONEL O. ALBINA CHANCELLOR, USTP-CDO	SHEET CONTENTS: AS SHOWN	DRAWN BY: DATE: 9/27/2024 CAD BY: PLOT DATE: 9/27/2024 SCALE: NTS	SHEET NO. A 1	
	C.M. RECTO AVENUE, LAPASAN 9000 CAGAYAN DE ORO CITY TEL. NOS. (08822) 72-60-65 / (088) 856-1738 / 856-1739 TELE FAX (088) 856-4696 WEB SITE : WWW.USTP.EDU.PH	PRC NO. : PTR NO. : TIN NO. : DATE ISSUED :		LOCATION C.M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY	OWNER UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES					



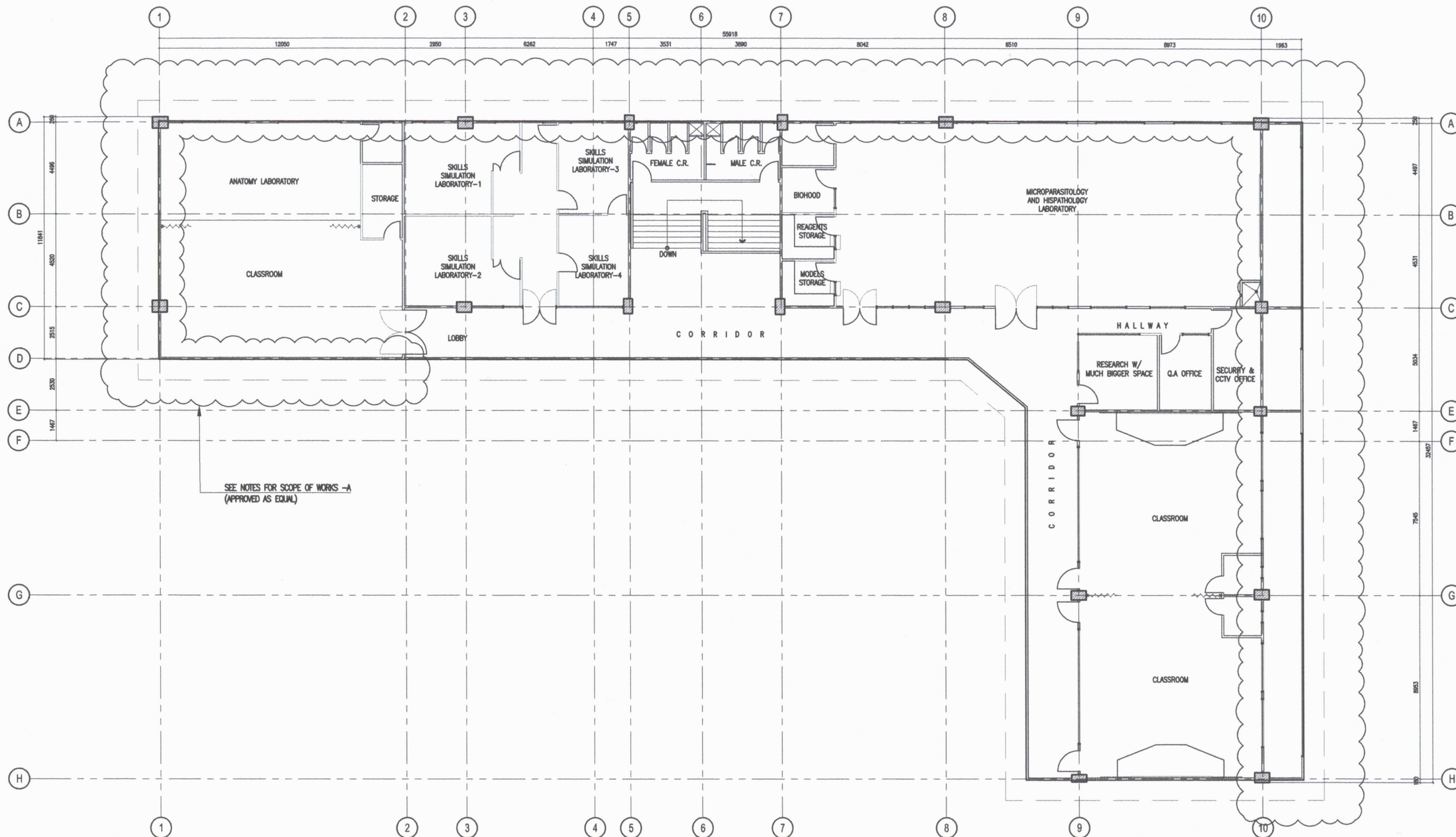
VICINITY MAP
SCALE: NDTs

SITE DEVELOPMENT PLAN
SCALE: 1:2000M

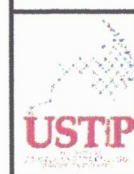
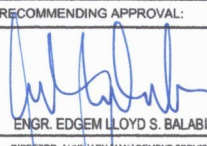
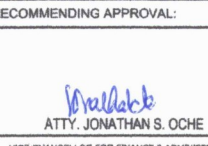
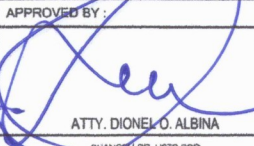
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			SEAL		OWNER UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES					

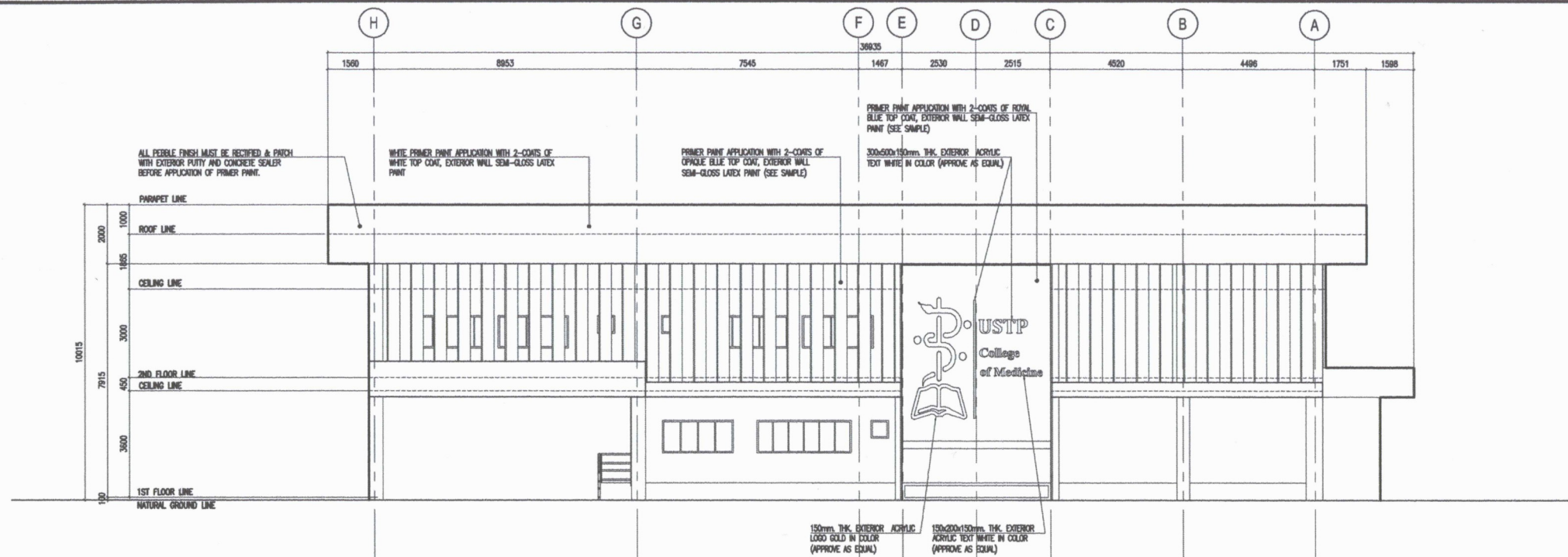


REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES CAGAYAN DE ORO CITY 9000 C.M. RECTO AVENUE, LAPASAN 9000 CAGAYAN DE ORO CITY TEL. NOS. (08822) 72-60-65 / (088) 856-1738 / 856-1739 TELE FAX (088) 856-4696 WEB SITE : WWW.USTP.EDU.PH	PREPARED BY : AR. CHRIS FRANCIS N. ASPIRAS ARCHITECT, CMAA	PROJECT PROPOSED RENOVATION OF THE ITB FOR COLLEGE OF MEDICINE (PHASE 3)	RECOMMENDING APPROVAL: ENGR. EDELM LLOYD S. BALANIS DIRECTOR, AUXILIARY MANAGEMENT SERVICES	RECOMMENDING APPROVAL: ATTY. JONATHAN S. OCHE VICE CHANCELLOR FOR FINANCE & ADMINISTRATION	APPROVED BY : ATTY. DIONEL O. ALBINA CHANCELLOR, USTP-CDO	SHEET CONTENTS: GROUND FLOOR PLAN	DRAWN BY: DATE: 9/27/2024 CAD BY: PLOT DATE: 9/27/2024 SCALE: NTS	SHEET NO. A 3
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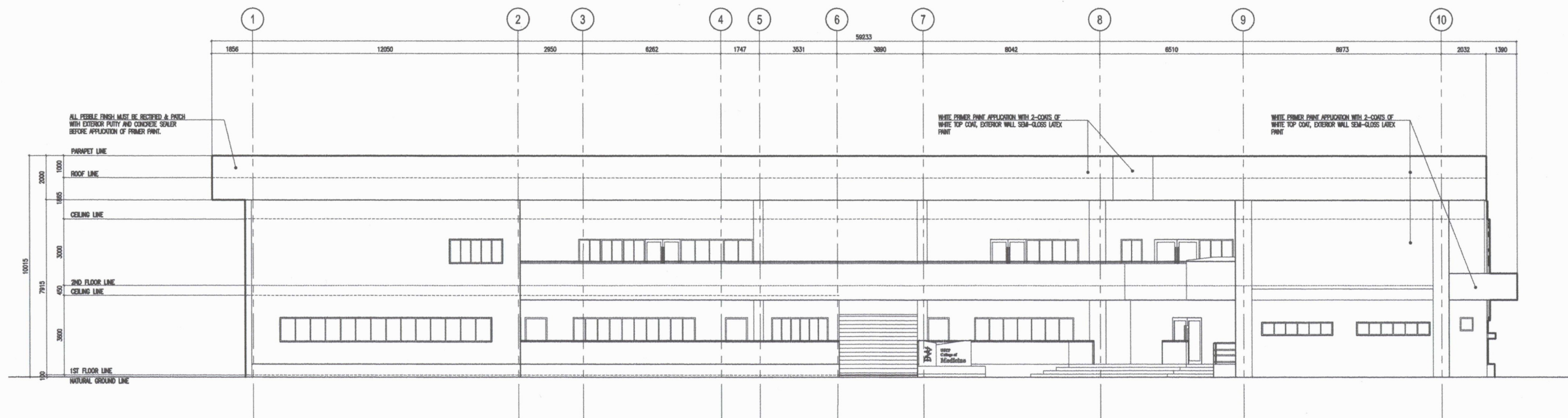


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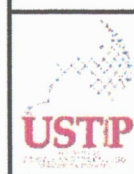
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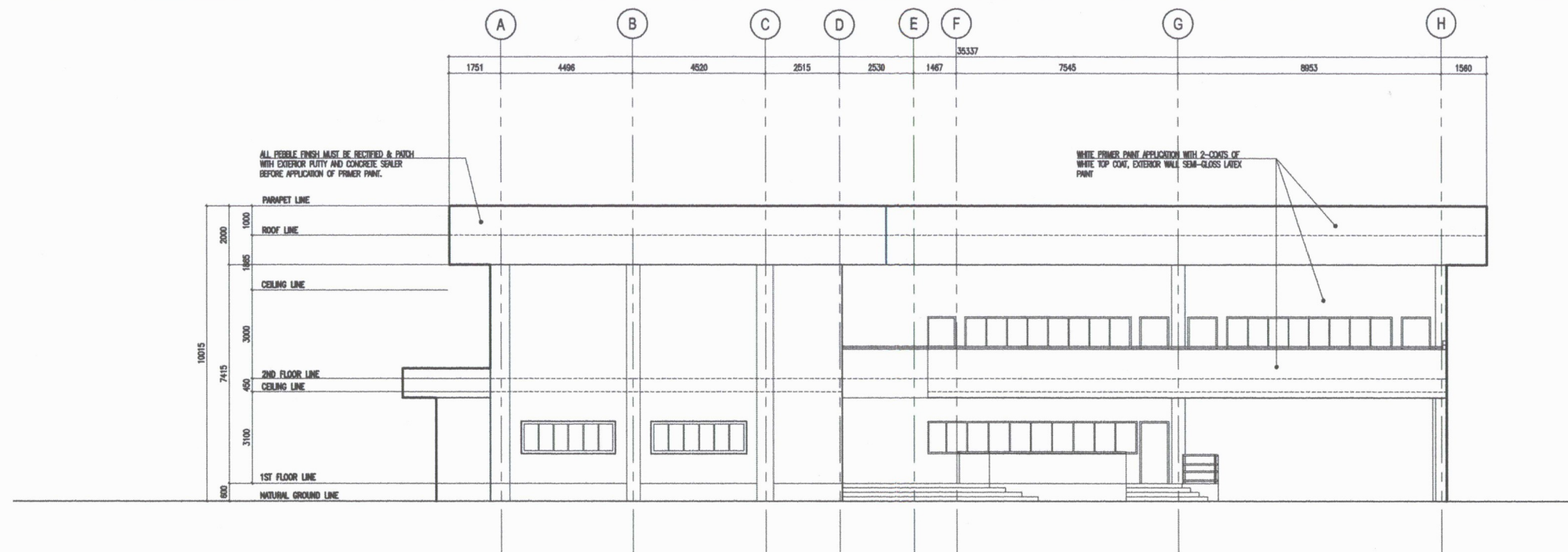


FRONT ELEVATION
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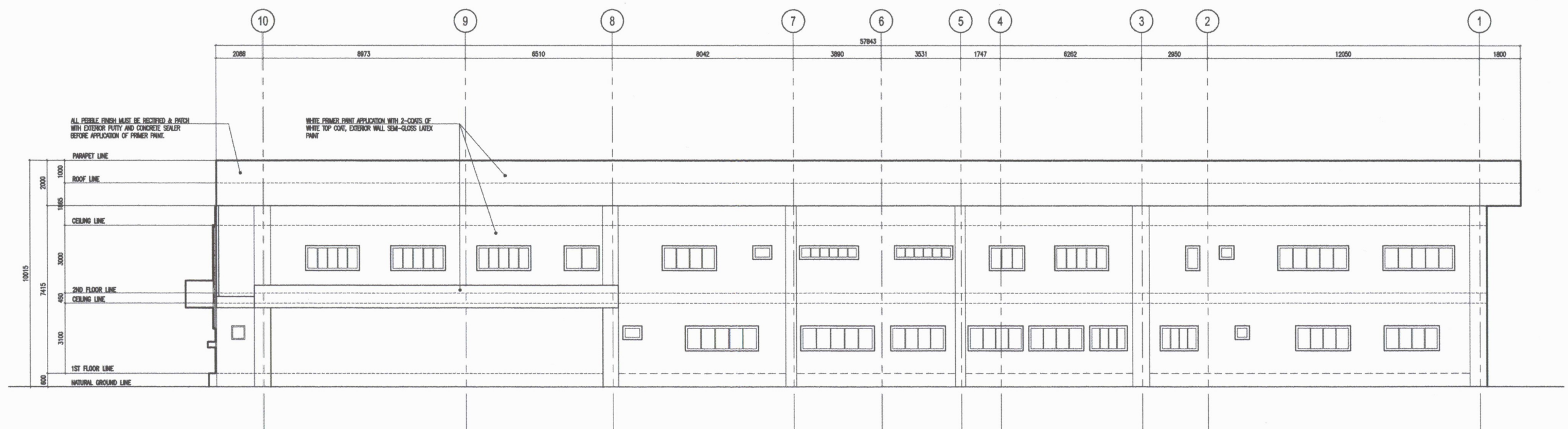


LEFT SIDE ELEVATION
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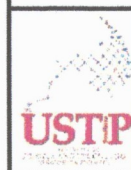
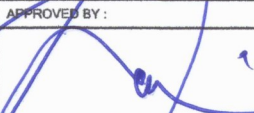
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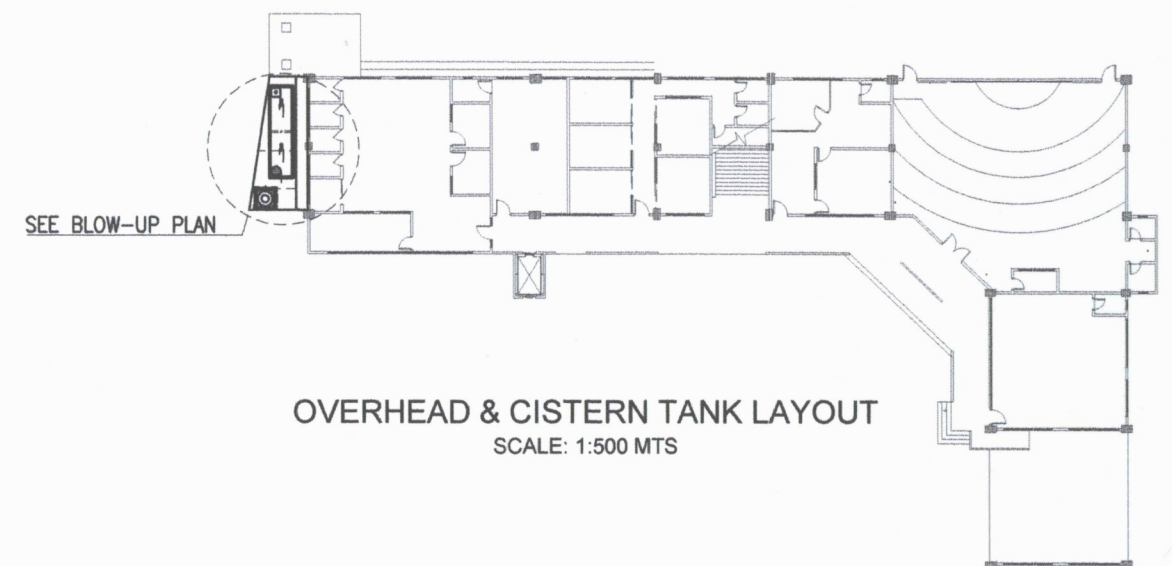
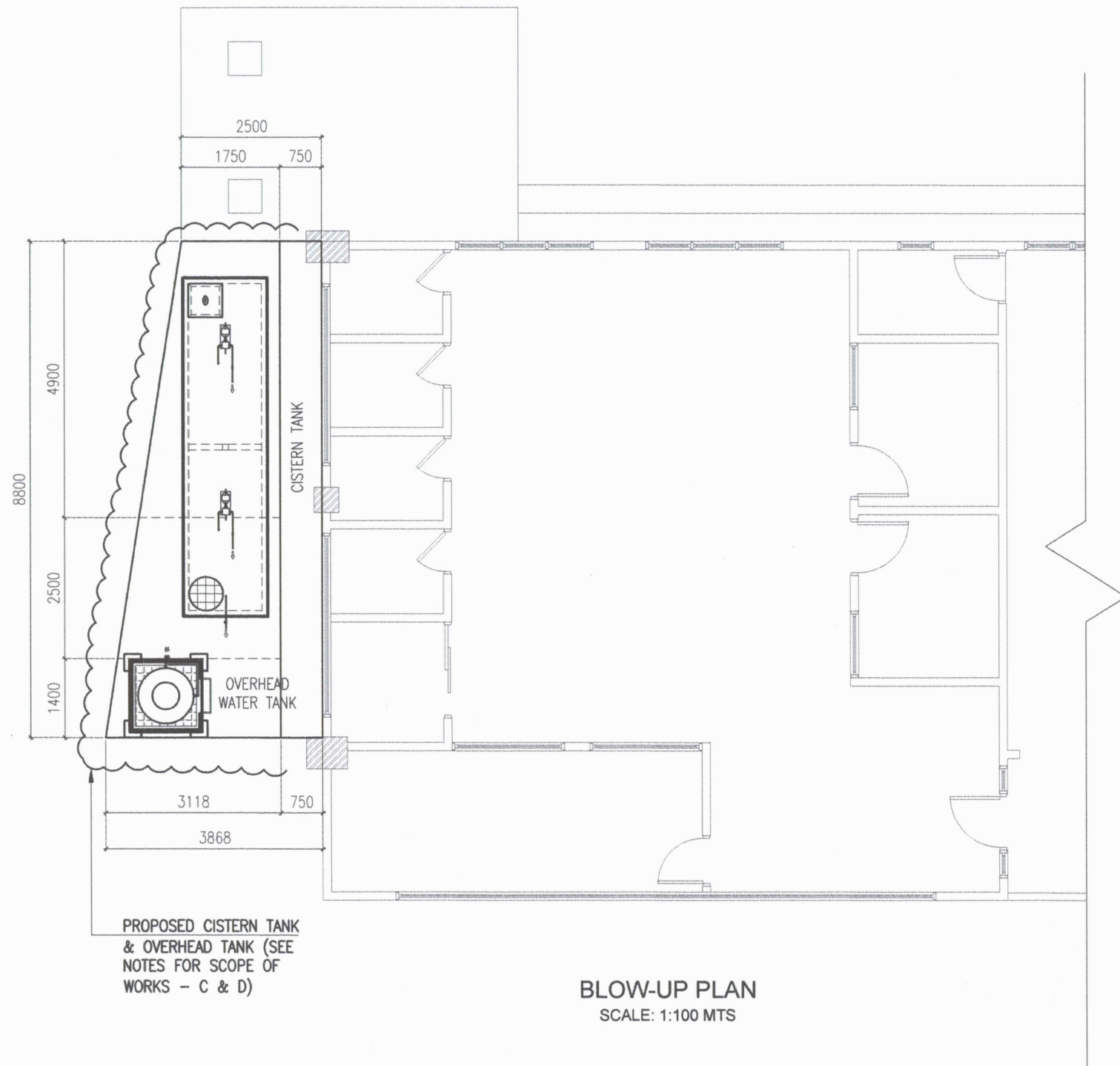


REAR ELEVATION
SCALE: 1:2000M



RIGHT SIDE ELEVATION
SCALE: 1:2000M

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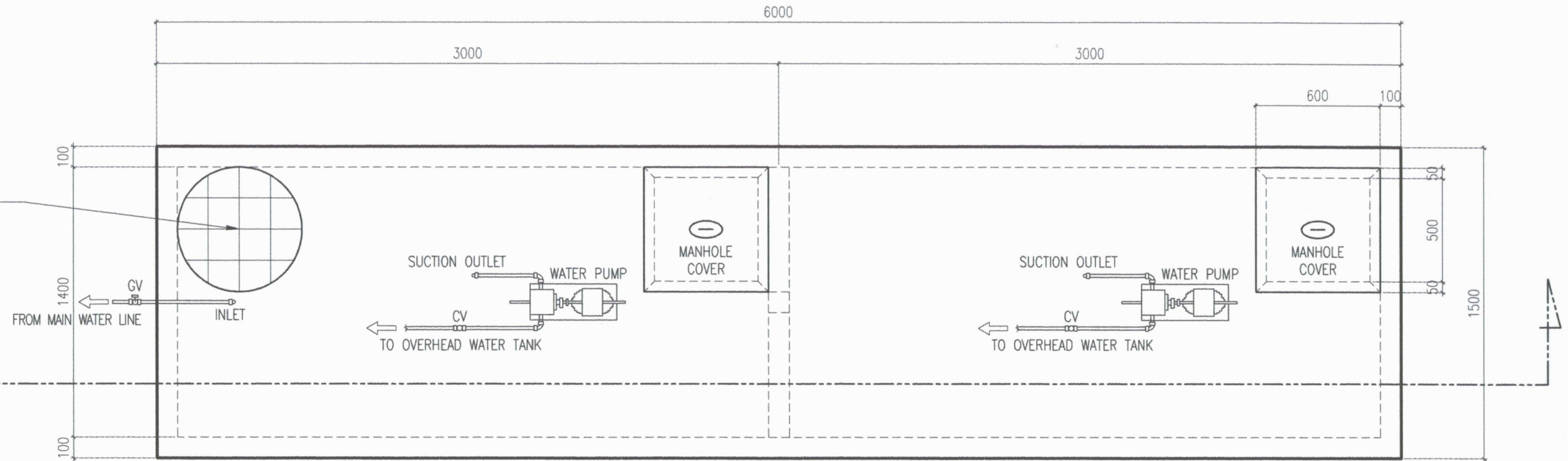


PROPOSED
CISTERN & OVERHEAD WATER TANK
SCALE: VARIES.

REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES CAGAYAN DE ORO CITY 9000 C.M. RECTO AVENUE, LAPASAN 9000 CAGAYAN DE ORO CITY TEL. NOS. (08822) 72-60-65 / (088) 856-1738 / 856-1739 TELE FAX (088) 856-4696 WEB SITE : WWW.USTP.EDU.PH	PREPARED BY : AR. CHRIS FRANCIS N. ASPIRAS HEAD, CSU	PROJECT PROPOSED RENOVATION OF THE ITB FOR COLLEGE OF MEDICINE (PHASE 3)	RECOMMENDING APPROVAL: ENGR. EDGEM LLOYD S. BALABIS DIRECTOR, AUXILIARY MANAGEMENT SERVICES	RECOMMENDING APPROVAL: ATTY. JONATHAN S. OCHE VICE CHANCELLOR FOR FINANCE & ADMINISTRATION	APPROVED BY : ATTY. DIONEL O. ALBINA CHANCELLOR, USTP-CDO	SHEET CONTENTS: PROPOSED CISTERN AND OVERHEAD WATER TANK BLOW-UP PLAN OVERHEAD & CISTERN TANK LAYOUT	DRAWN BY: DATE: 11/9/2024 CAD BY: PLOT DATE: 11/9/2024 SCALE: VARIES	SHEET NO. P 1
	PRC NO. : PTR NO. : TIN NO. :		LOCATION: C.M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY OWNER: UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES	SEAL	DATE ISSUED :			

NOTE:
APPLY THE CEMENTITIOUS WATER
ROOFING ON INTERIOR CONCRETE
WALL AND CONCRETE FLOORING

4" THK. REINFORCE
CONCRETE SLAB W/ 10
mm Ø BEDBARS SPACE
@ 0.15 O.C. B.W.



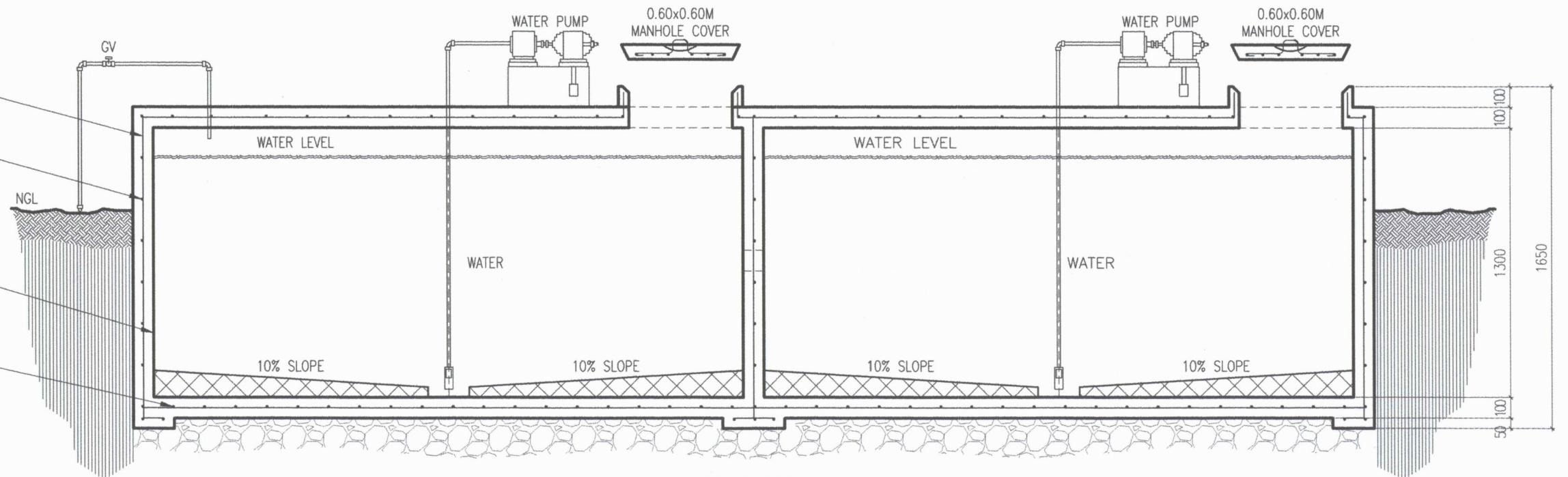
PLAN

10 mm Ø VERTICAL BAR
SPACE @ 0.20 O.C.

10 mm Ø HORIZONTAL
BAR SPACE @ 0.20 O.C.

4" THK. REINFORCE CONCRETE
WALL APPLIED W/ CEMENTITIOUS
WATER PROOFING

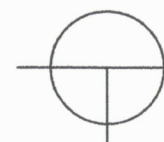
4" THK. REINFORCE CONCRETE SLAB
W/ 10 mm Ø BEDBARS SPACE @
0.15 O.C. B.W. APPLIED W/
CEMENTITIOUS WATER PROOFING



SECTION A



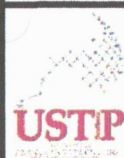
	REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES CAGAYAN DE ORO CITY 9000 C.M. RECTO AVENUE, LAPASAN 9000 CAGAYAN DE ORO CITY TEL. NOS. (08822) 72-60-65 / (088) 856-1738 / 856-1739 TELE FAX (088) 856-4096 WEB SITE : WWW.USTP.EDU.PH	PREPARED BY : AR. CHRIS FRANCIS N. ASPIRAS HEAD, DESIG. PRC NO. : PTR NO. : TIN NO. : DATE ISSUED :	SEAL	PROJECT PROPOSED RENOVATION OF THE ITB FOR COLLEGE OF MEDICINE (PHASE 3) LOCATION C.M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY OWNER UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES	RECOMMENDING APPROVAL: ENGR. EDGEN LLOYD S. BALABIS DIRECTOR, AUXILIARY MANAGEMENT SERVICES	RECOMMENDING APPROVAL: ATTY. JONATHAN S. OCHE VICE CHANCELLOR FOR FINANCE & ADMINISTRATION	APPROVED BY : ATTY. DIONEL O. ALBINA CHANCELLOR, USTP-CDO	SHEET CONTENTS: CISTERN TANK PLAN SECTION A	DRAWN BY: DATE: 11/9/2024 CAD BY: PLOT DATE: 11/9/2024 SCALE: 1:25 MTS.	SHEET NO. P 2
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OVERHEAD WATER TANK

SCALE:

VARIES



REPUBLIC OF THE PHILIPPINES
UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CITY 9000

C.M. RECTO AVENUE, LAPASAN 9000 CAGAYAN DE ORO CITY
TEL. NOS. (08822) 72-60-65 / (088) 856-4738 / 856-4739
TELE FAX (088) 856-4696
WEB SITE : WWW.MUST.EDU.PH

PREPARED BY :	
 <u>AR. CHRIS FRANCIS N. ASPIRAS</u> HEAD CSWG	
PRC NO. :	PTR NO. :
TIN NO. :	DATE ISSUED :

SEAL

PROJECT

LOCATION	C.M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY
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OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES
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PROPOSED RENOVATION OF THE ITB FOR COLLEGE OF MEDICINE (PHASE 3)

RECOMMENDING APPROVAL:

ENGR. EDGEM LLOYD S. BALABIS

DIRECTOR, AUXILIARY MANAGEMENT SERVICES

RECOMMENDING APPROVAL:

ATTY. JONATHAN S. OCHE

VICE CHANCELLOR FOR FINANCE & ADMINISTRATION

APPROVED BY :

ATTY DIONEL O. ALBINA

CHANCELLOR, USTP-ODO

SHEET CONTENTS:

OVERHEAD WATER TANK
PLAN
ELEVATIONS

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PLOT DATE: 11/9/2
SCALE: VARIES

DRAWN BY:

DATE: 11/9/2024

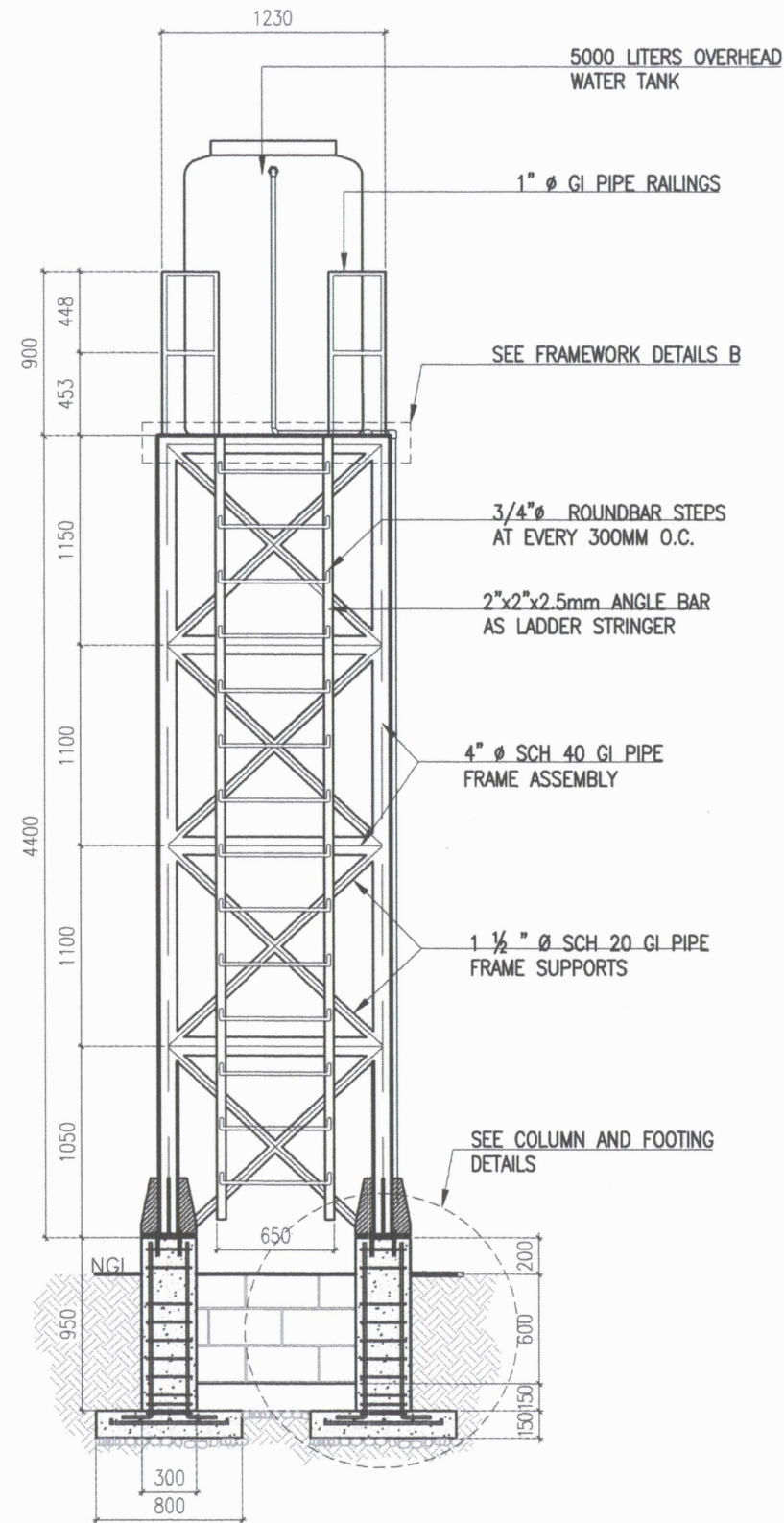
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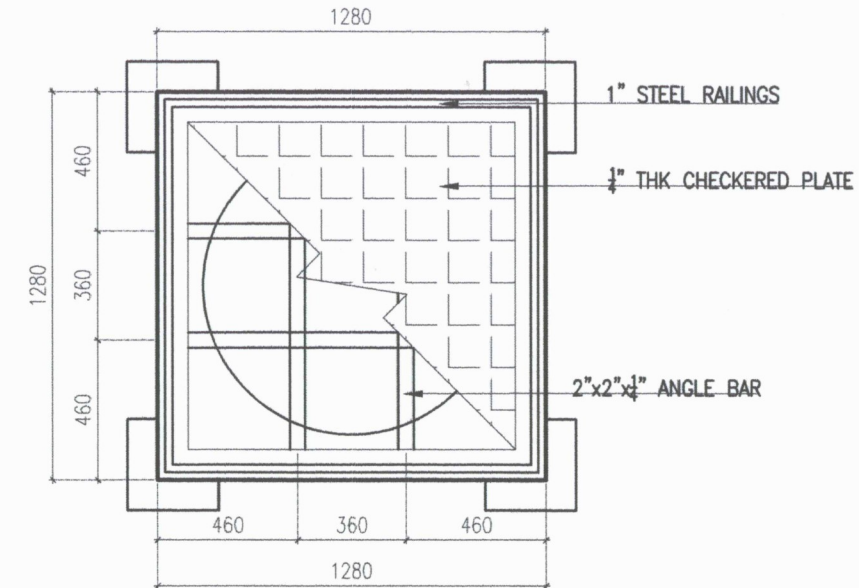
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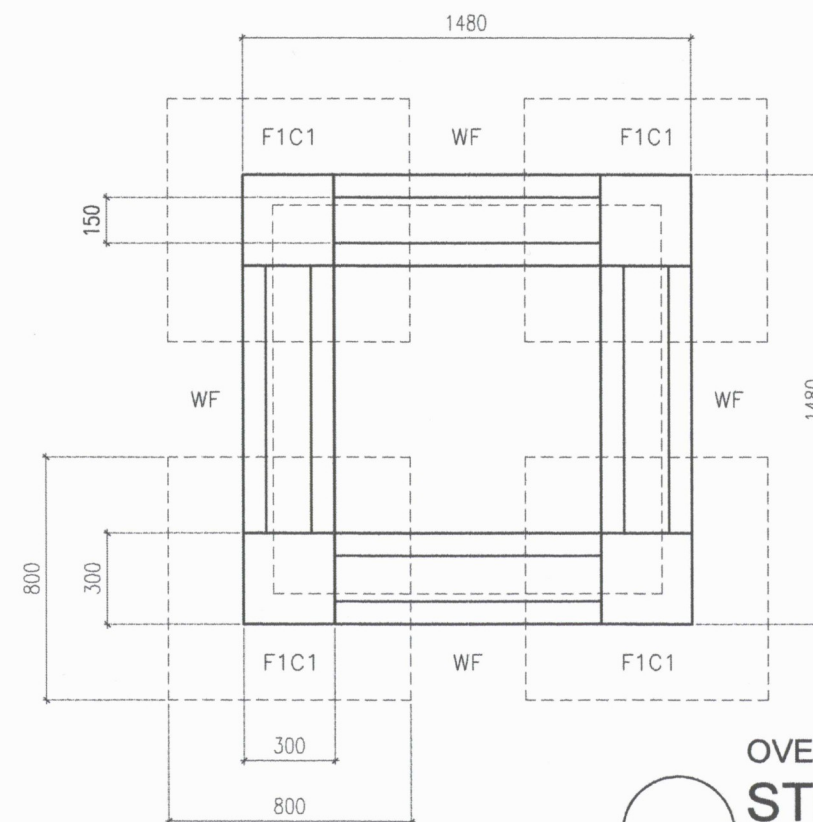
NOTE:
STEEL LADDER ASSEMBLY MUST BE
FULLY WELDED TO STEEL TOWER
STRUCTURE OF WATER TANK ASSEMBLY.



FRAMEWORK DETAILS A
SCALE: 1:40 MTS



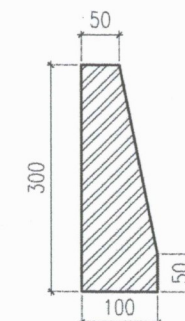
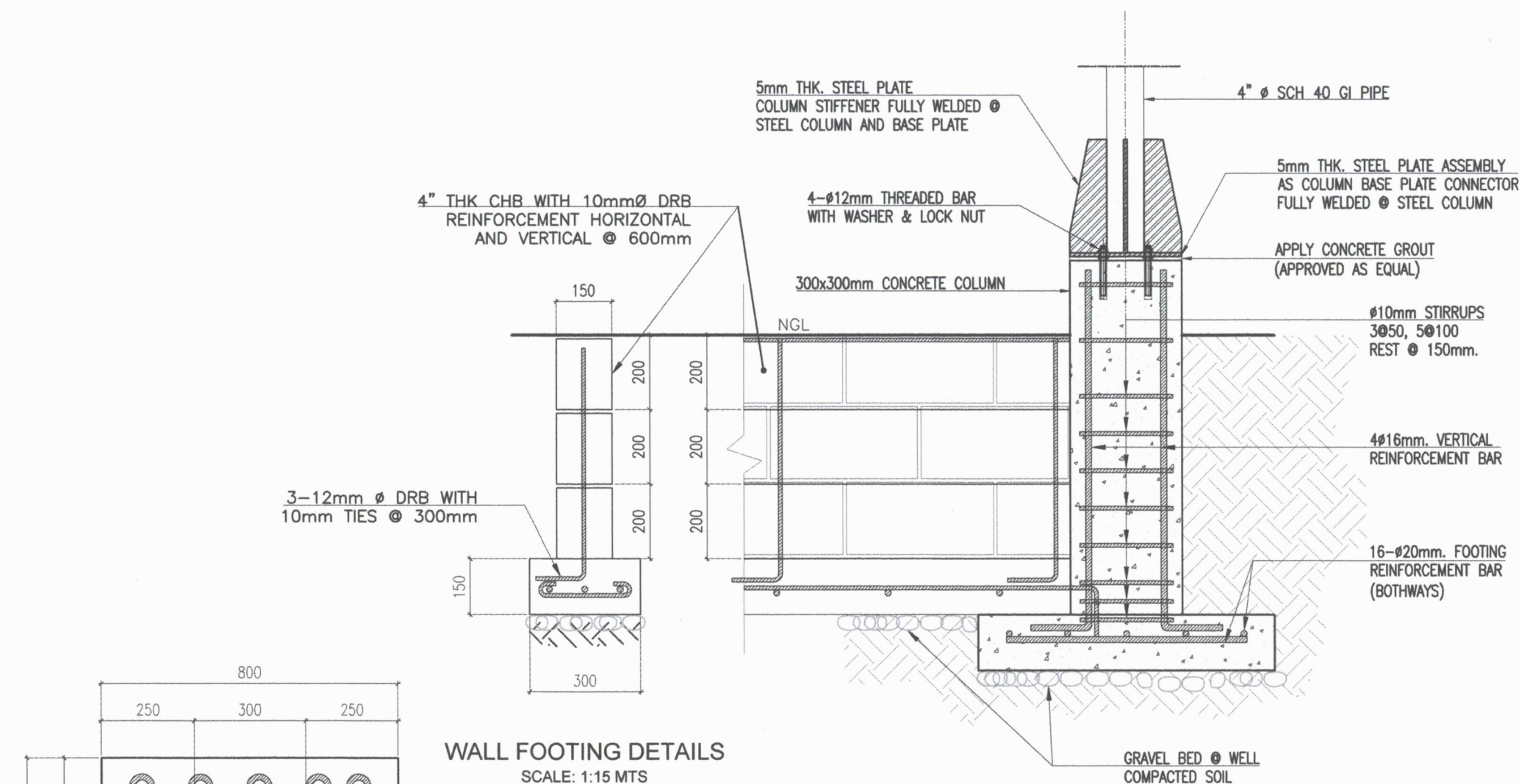
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SCALE: 1:25 MTS



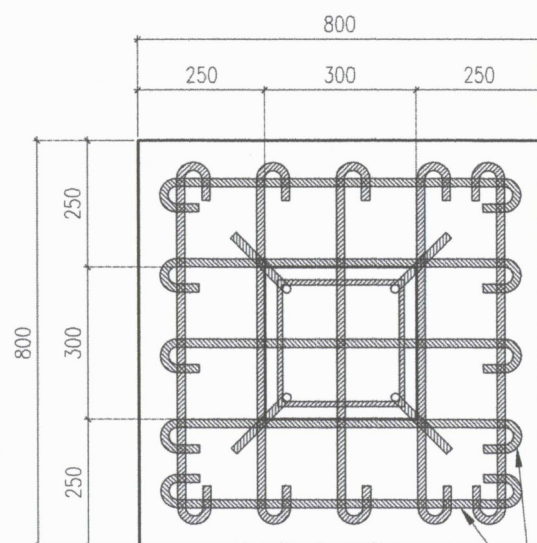
FOUNDATION PLAN
SCALE: 1:25 MTS

OVERHEAD WATER TANK STRUCTURAL LAYOUT

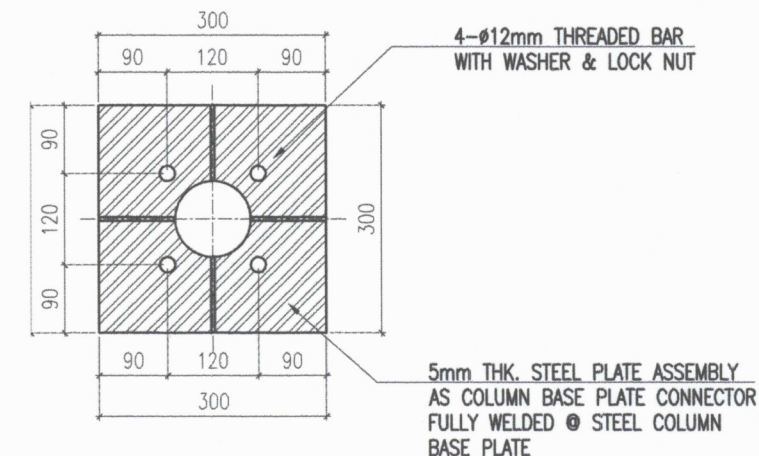
SCALE: VARIES



STIFFENER PLATE DETAILS
SCALE: 1:10 MTS



FOOTING DETAILS
SCALE: 1:15 MTS

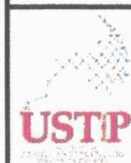
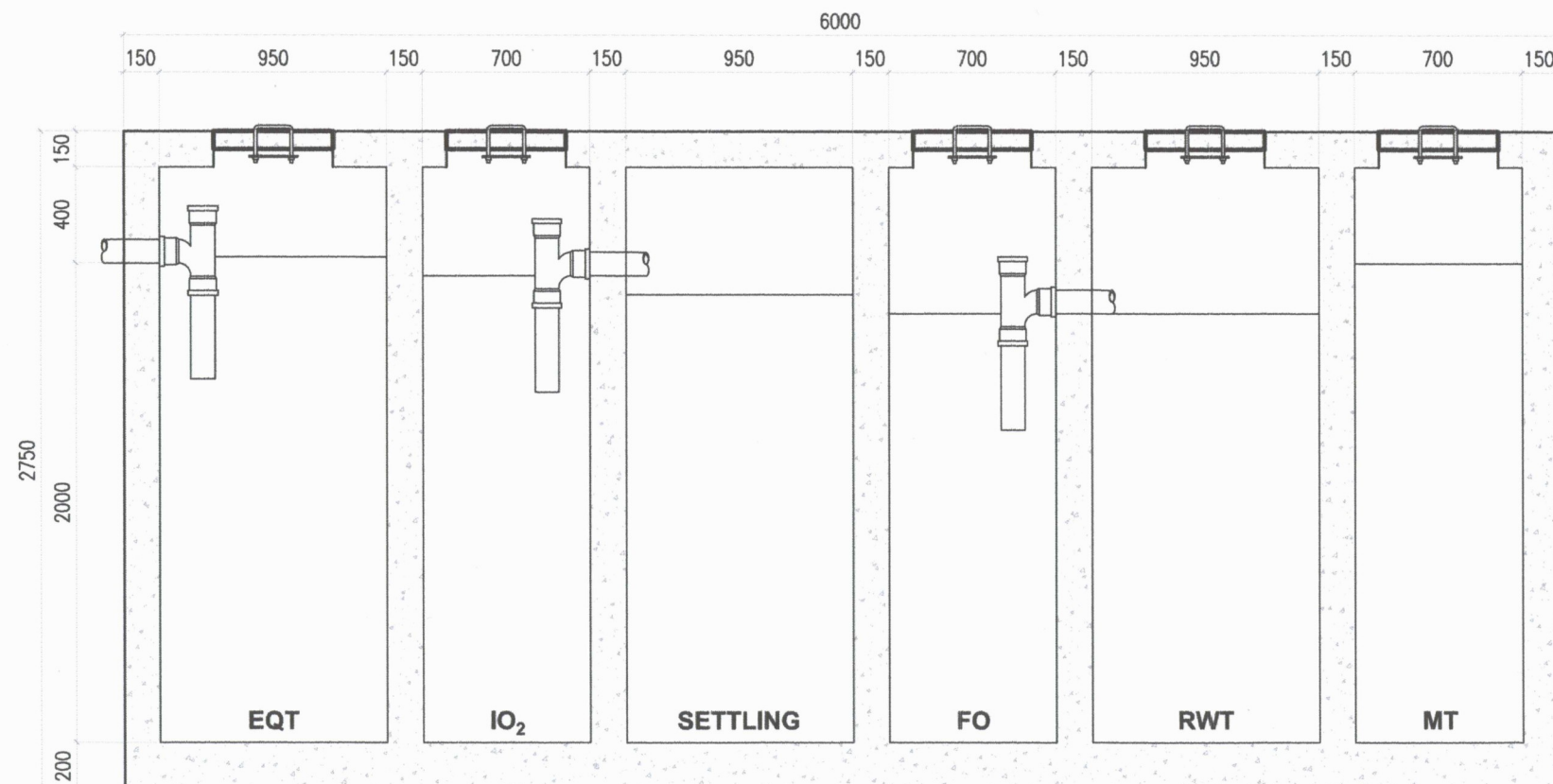
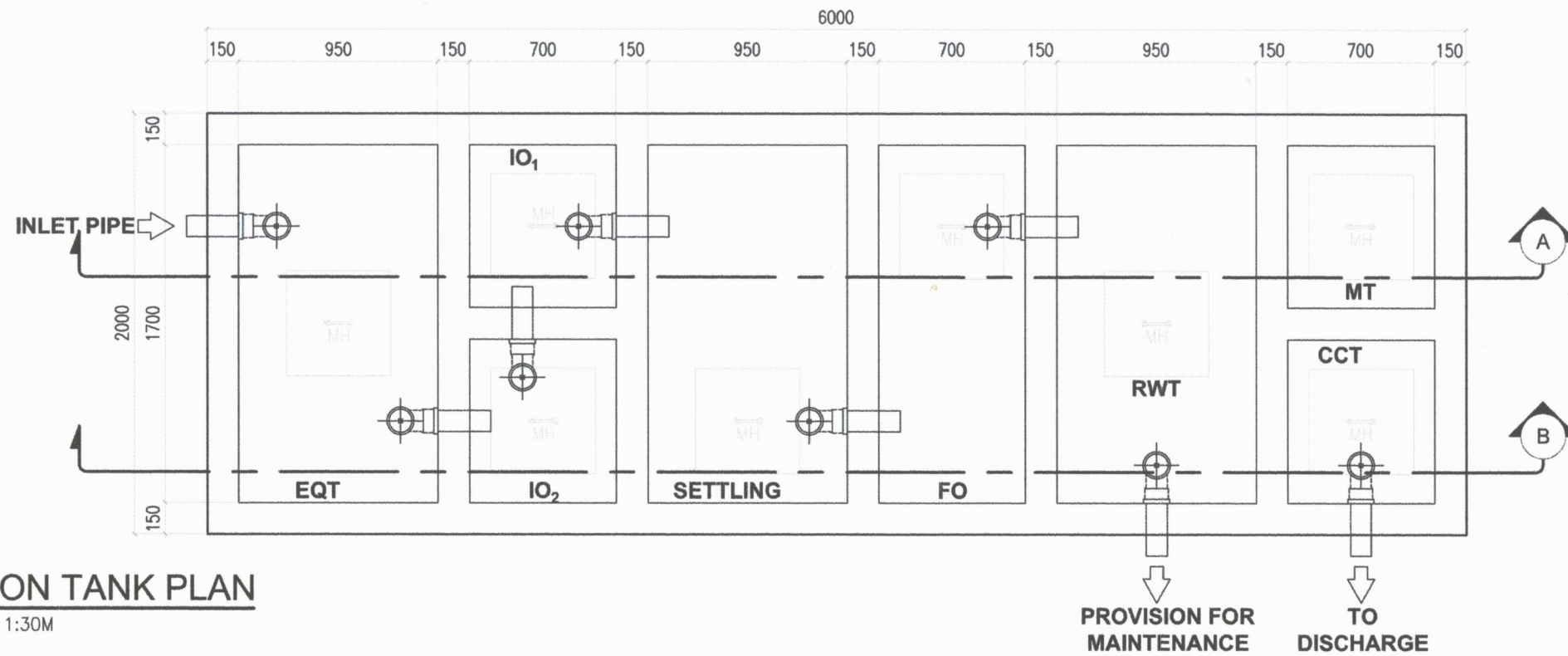


STEEL PLATE DETAILS
SCALE: 1:10 MTS

OVERHEAD WATER TANK STRUCTURAL LAYOUT

SCALE: VARIES

	REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES CAGAYAN DE ORO CITY 9000 C.M. RECTO AVENUE, LAPASAN 9000 CAGAYAN DE ORO CITY TEL. Nos. (08822) 72-60-65 / (088) 856-1738 / 856-1739 TELE FAX (088) 856-4696 WEB SITE : WWW.USTP.EDU.PH	PREPARED BY : AR. CHRIS FRANCIS N. ASPIRAS HEAD, CEQU PRC NO. : PTR NO. : TIN NO. : DATE ISSUED :	PROJECT LOCATION OWNER	PROPOSED RENOVATION OF THE ITB FOR COLLEGE OF MEDICINE (PHASE 3) C.M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES	RECOMMENDING APPROVAL: ENGR. EDGEM LLOYD S. BALABIS DIRECTOR, AUXILIARY MANAGEMENT SERVICES	RECOMMENDING APPROVAL: ATTY. JONATHAN S. OCHE VICE CHANCELLOR FOR FINANCE & ADMINISTRATION	APPROVED BY : ATTY. DIONEL O. ALBINA CHANCELLOR, USTP-CDO	SHEET CONTENTS: OVERHEAD WATER TANK STRUCTURAL LAYOUT COLUMN FOOTING DETAILS WALL FOOTING DETAILS FOOTING DETAILS STIFFENER PLATE DETAILS STEEL PLATE DETAILS	DRAWN BY: DATE: 11/8/2024 CAD BY: PLOT DATE: 11/8/2024 SCALE: VARIES	SHEET NO. P 5
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CAGAYAN DE ORO CITY 9000

C.M. RECTO AVENUE, LAPASAN 9000 CAGAYAN DE ORO CITY
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WEB SITE : WWW.USTP.EDU.PH

PREPARED BY :

AR. CHRIS FRANCIS N. ASPIRAS
ARCHITECT

PRC NO. :

PTR NO. :

TIN NO. :

DATE ISSUED :

SEAL

PROJECT

PROPOSED RENOVATION OF THE ITB
FOR COLLEGE OF MEDICINE (PHASE 3)

LOCATION

C.M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY

OWNER

UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:

ENGR. EDGEM LLOYD S. BALABIS
DIRECTOR, AUXILIARY MANAGEMENT SERVICES

RECOMMENDING APPROVAL:

ATTY. JONATHAN S. OCHE
VICE CHANCELLOR FOR FINANCE & ADMINISTRATION

APPROVED BY :

ATTY. DIONEL O. ALBINA
CHANCELLOR, USTP-CDO

SHEET CONTENTS:

SEDIMENTATON TANK PLAN
SECTION THRU - A

DRAWN BY:

DATE: 9/27/2024

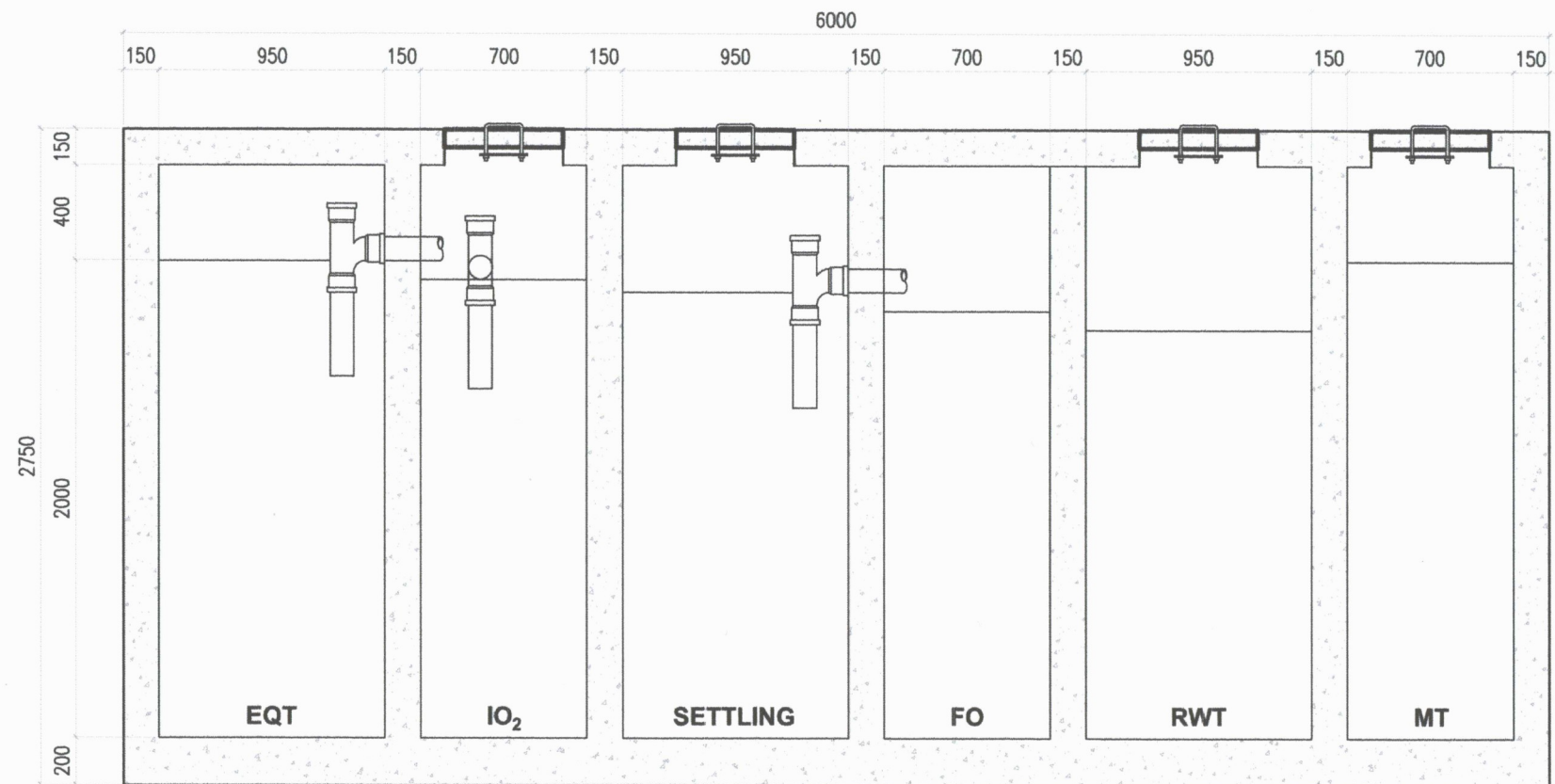
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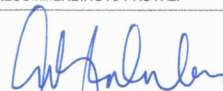
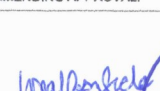
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SHEET NO.

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6

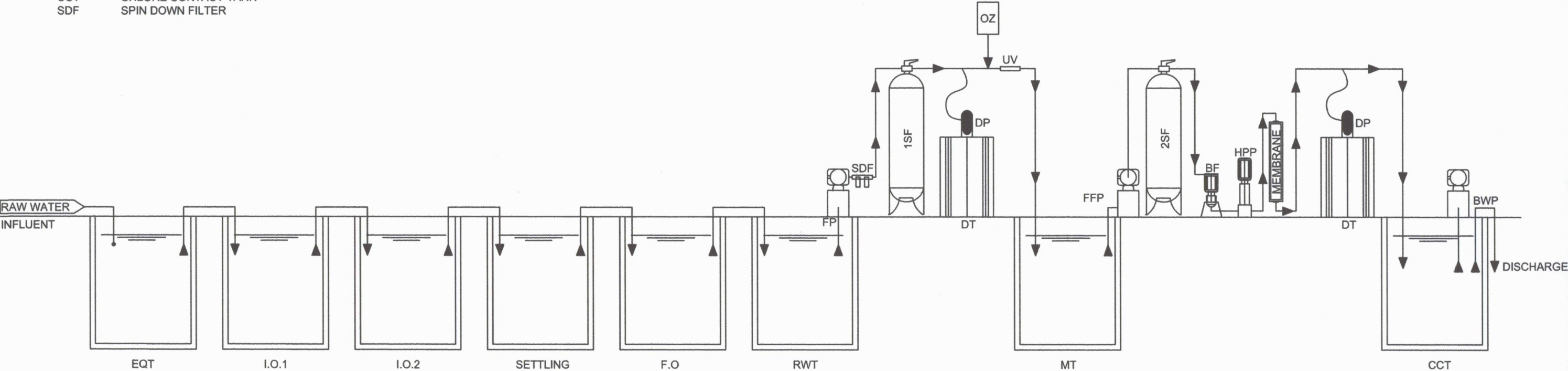



SECTION THRU - B
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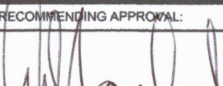
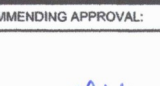
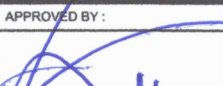
	REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES CAGAYAN DE ORO CITY 9000	PREPARED BY :  AR. CHRIS FRANCIS N. ASPIRAS ARCHITECT	SEAL	PROJECT PROPOSED RENOVATION OF THE ITB FOR COLLEGE OF MEDICINE (PHASE 3)	RECOMMENDING APPROVAL:  ENGR. EDGEM LLOYD S. BALABIS DIRECTOR, AUXILIARY MANAGEMENT SERVICES	RECOMMENDING APPROVAL:  ATTY. JONATHAN S. OCHE VICE CHANCELLOR FOR FINANCE & ADMINISTRATION	APPROVED BY :  ATTY. DIONEL O. ALBINA CHANCELLOR, USTP-CDO	SHEET CONTENTS: SECTION THRU - B	DRAWN BY: DATE: 9/27/2024 CAD BY: PLOT DATE: 9/27/2024 SCALE: NTS	P 7
	C.M. RECTO AVENUE, LAPASAN 9000 CAGAYAN DE ORO CITY TEL. NOS. (08822) 72-60-65 / (088) 856-1738 / 856-1739 TELE FAX (088) 856-4696 WEB SITE : WWW.USTP.EDU.PH	PRC NO. : PTR NO. : TIN NO. :		DATE ISSUED :	LOCATION C.M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY	OWNER UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES	SHEET NO.			
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							SHEET NO.			

LEGENDS:

- EQT EQUALIZATION TANK
- I.O INITIAL OXIDATION
- ST SETTLING
- F.O FINAL OXIDATION
- RWT RAW WATER PUMP
- 1SF FIRST STAGE FILTRATION
- 2SF SECOND STAGE FILTRATION
- OZ OZONATOR
- FFP FILTER FEED PUMP
- BF BAG FILTER
- HPP HIGH-PRESSURE PUMP
- R.O REVERSE OSMOSIS
- DP DOSING PUMP
- DT DOSING TANK
- BWP BANKWASH PUMP
- CCT CHLORE CONTACT TANK
- SDF SPIN DOWN FILTER



SYSTEM PROCESS FLOW

	REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES CAGAYAN DE ORO CITY 9000	PREPARED BY :  AR. CHRIS FRANCIS N. ASPIRAS ARCHITECT CSWU	PROJECT PROPOSED RENOVATION OF THE ITB FOR COLLEGE OF MEDICINE (PHASE 3)	RECOMMENDING APPROVAL:  ENGR. EDGEM LLOYD S. BALABIS DIRECTOR, AUXILIARY MANAGEMENT SERVICES	RECOMMENDING APPROVAL:  ATTY. JONATHAN S. OCHE VICE CHANCELLOR FOR FINANCE & ADMINISTRATION	APPROVED BY :  ATTY. DIONEL O. ALBINA CHANCELLOR, USTP-CDO	SHEET CONTENTS: SECTION THRU - B	DRAWN BY: DATE: 6/20/2025	SHEET NO. P 8	
	C.M. RECTO AVENUE, LAPASAN 9000 CAGAYAN DE ORO CITY TEL. Nos. (08822) 72-60-65 / (088) 856-1738 / 856-1739 TELE FAX (088) 856-6696 WEB SITE : WWW.USTP.EDU.PH	PRC NO. : PTR NO. :		LOCATION C.M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY				CAD BY:		PLOT DATE: 9/27/2024
		TIN NO. : DATE ISSUED :		OWNER UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES						SCALE: NTS
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