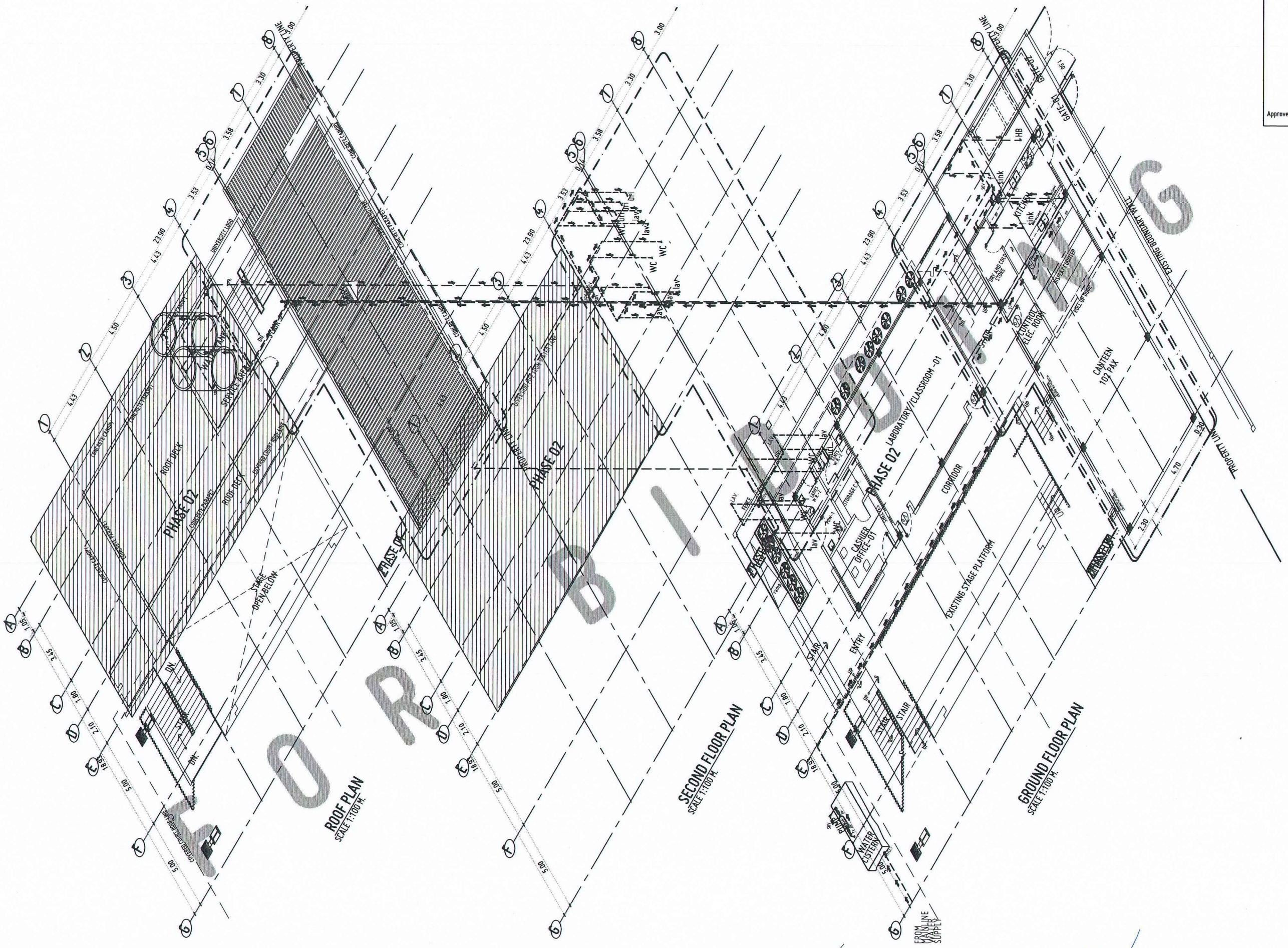
REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

Approved by:



ISOMETRIC LAYOUT
WATERLINE PIPING LAYOUT

SCALE: NOTS

P 10 1

FOR BIDDING

USTP

REPUBLIC OF THE PHILIPPINES
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

CLARO M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY 9000
TELEPHONE # (088822) 72-60-65 / (088) 856-1738 / 856-1739 | TELE FAX (088) 856-4696
WEBSITE: www.ustp.edu.ph

MASTER PLUMBER

PRC NO. | PTR NO.
DATE:
TIN: | PLACE:

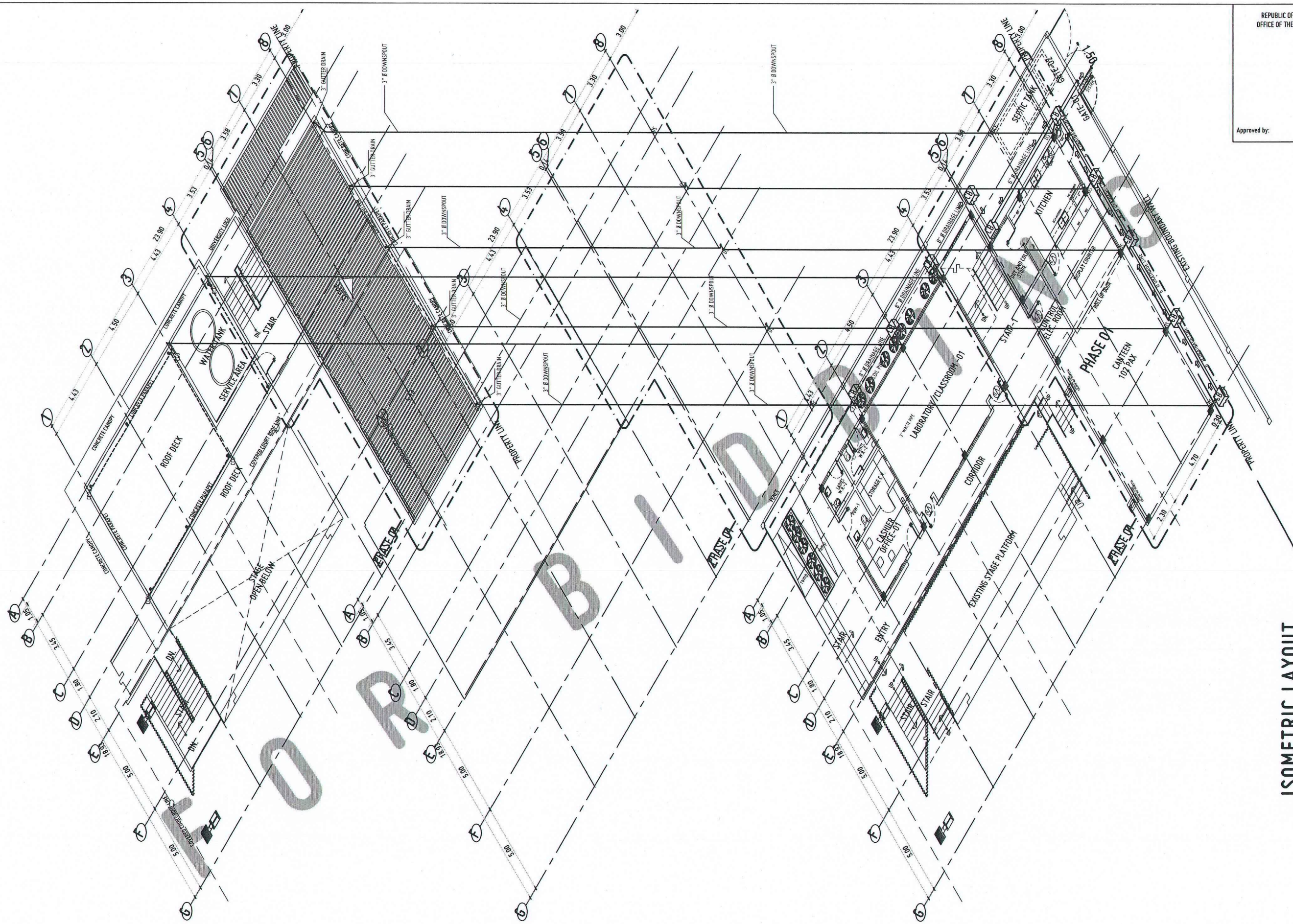
PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	DRAWN BY:
ENGR. GRACE C. BABA	ATTY. JONATHAN S. OCHE	AMBROSIO B. CULTURA II, PH.D	ISOMETRIC DRAWING - WATER LINE	DATE DRAWN:
DIRECTOR, INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT OFFICE	VP FOR ADMINISTRATION & LEGAL AFFAIRS	PRESIDENT, USTP SYSTEM		FNT:

P11

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

Approved by:



ISOMETRIC LAYOUT
STORM DRAIN LAYOUT

SCALE: NOTS

P 11 1

FOR BIDDING

USTP

REPUBLIC OF THE PHILIPPINES
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

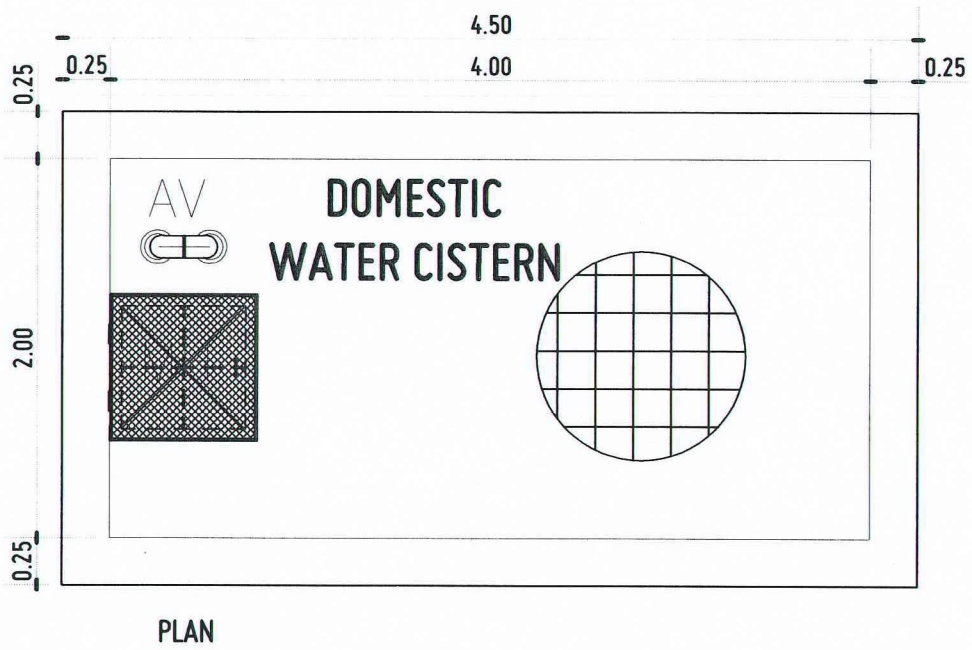
CLARO M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY 9000
TELEPHONE # (08822) 72-60-65 / (088) 856-1738 / 856-1739 | TELE FAX (088) 856-4696
WEBSITE: www.ustp.edu.ph

MASTER PLUMBER
PRC NO. | PTR NO.
DATE:
TIN: | PLACE:

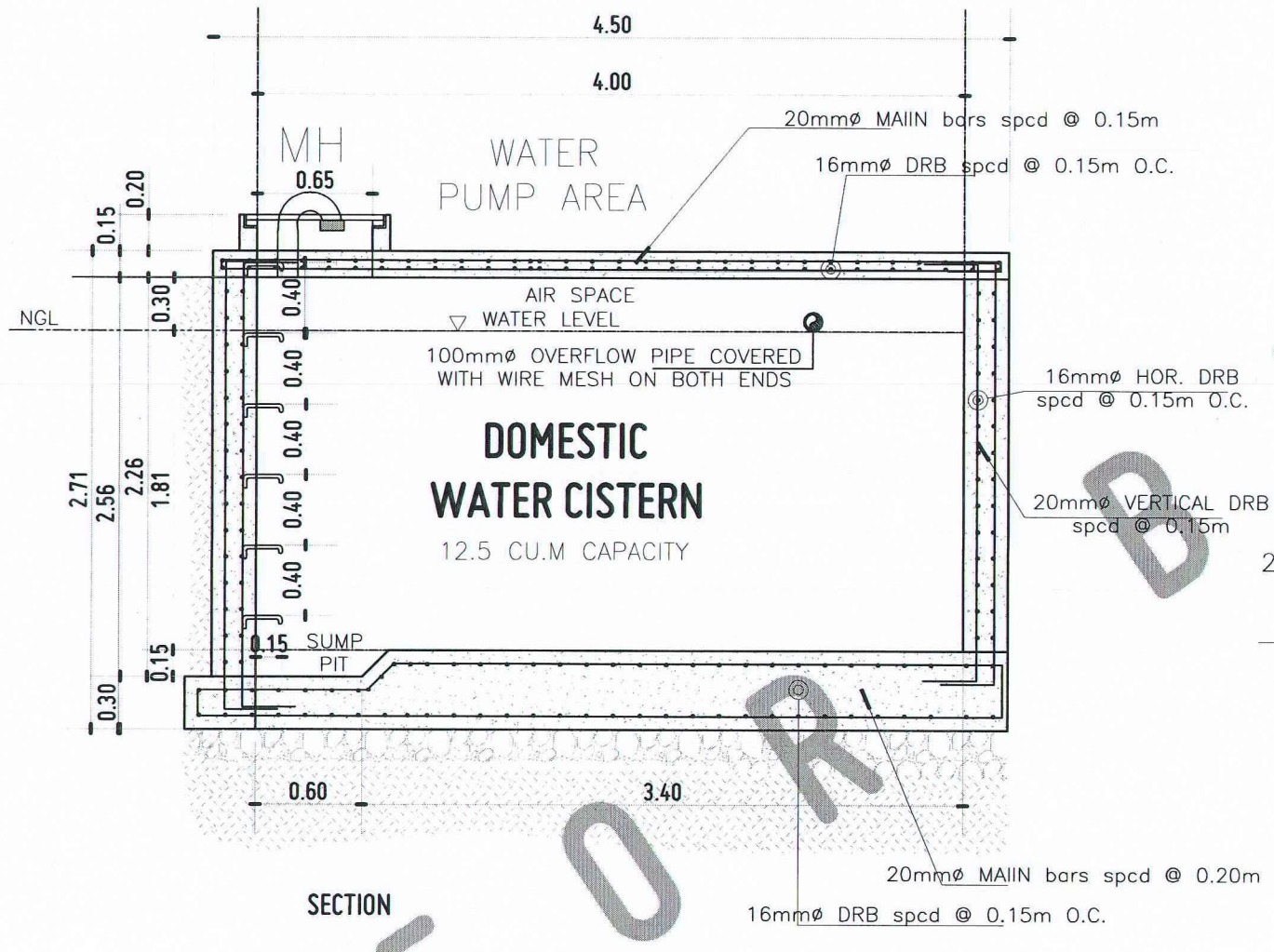
PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	DRAWN BY:
ENGR. GRACE C. BABA DIRECTOR, INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT OFFICE	ATTY. JONATHAN S. OCHE VP FOR ADMINISTRATION & LEGAL AFFAIRS	AMBROSIO B. CULTURA II, PH.D PRESIDENT, USTP SYSTEM	ISOMETRIC LAYOUT - STORM DRAIN	DATE DRAWN: FNT:

P12



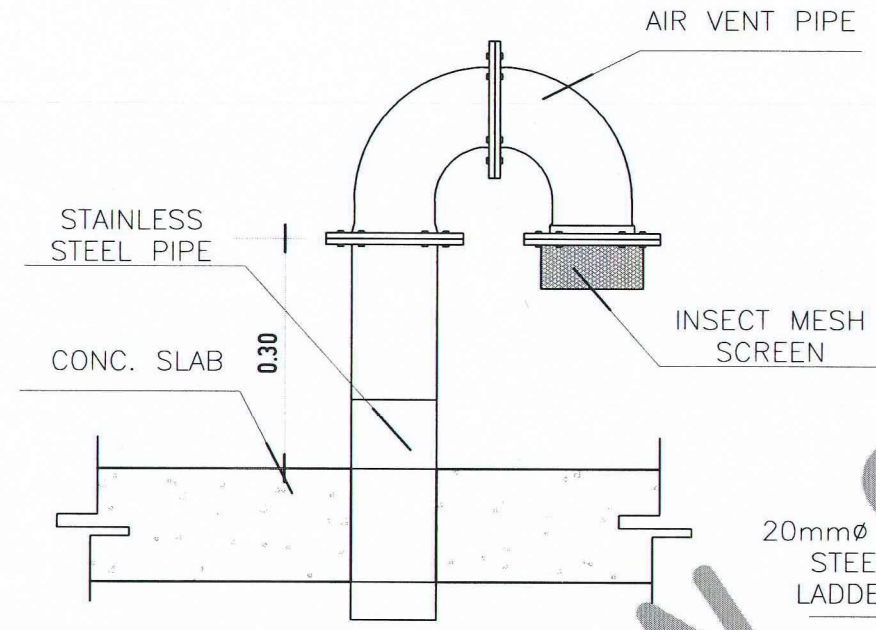
PLAN



SECTION

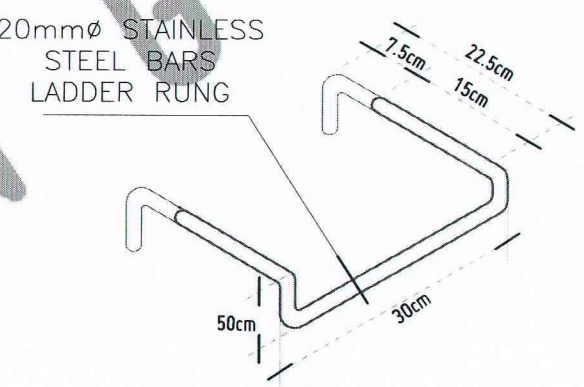
P 12 1 **WATER CISTERN DETAILS**

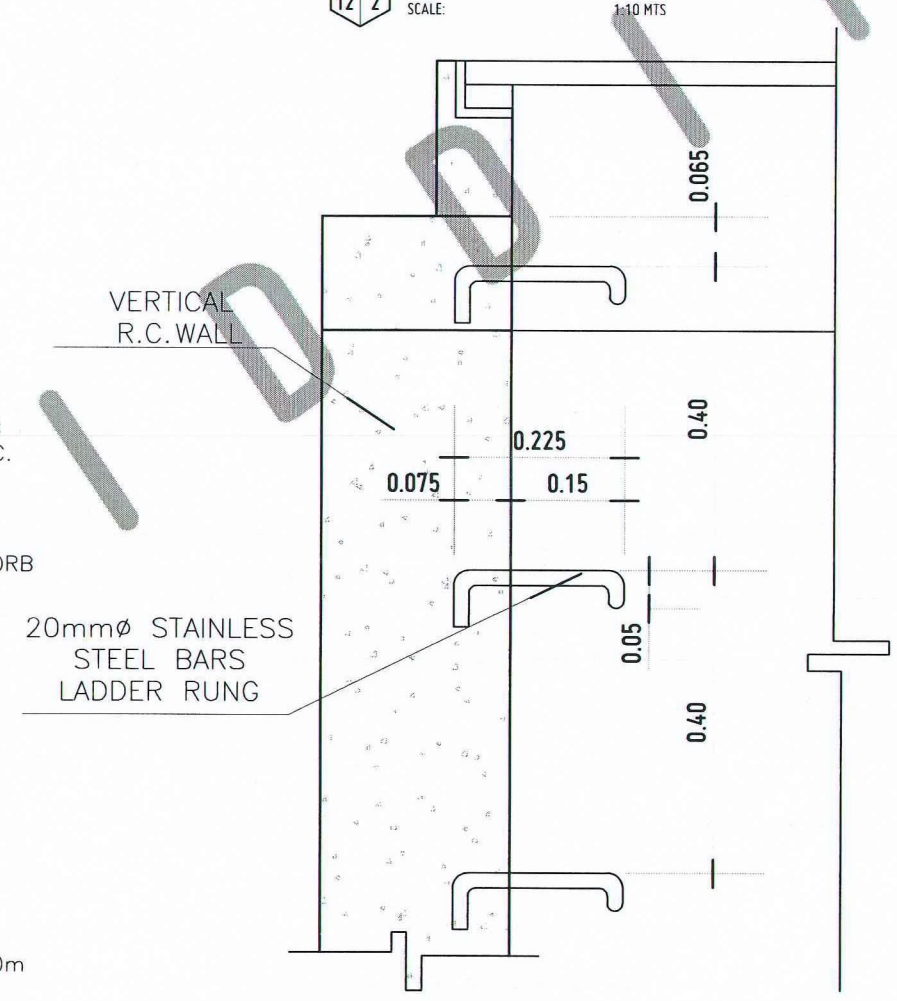
SCALE: 1:40 MTS



P 12 2 **AIR VENT PIPE DETAIL**

SCALE: 1:10 MTS





P 12 3 **LADDER RUNG DETAIL**

SCALE: 1:10 MTS

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

Approved by:

FOR BIDDING

USTP

REPUBLIC OF THE PHILIPPINES
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
CLARO M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY 9000
TELEPHONE # (08822) 72-60-65 / (088) 856-1736 / 856-1739 | TELE FAX (088) 856-4696
WEBSITE: www.ustp.edu.ph

MASTER PLUMBER
PRC NO. | PTR NO.
DATE:
TIN: | PLACE:

PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:
ENGR. GRACE C. BABA
DIRECTOR, INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT OFFICE

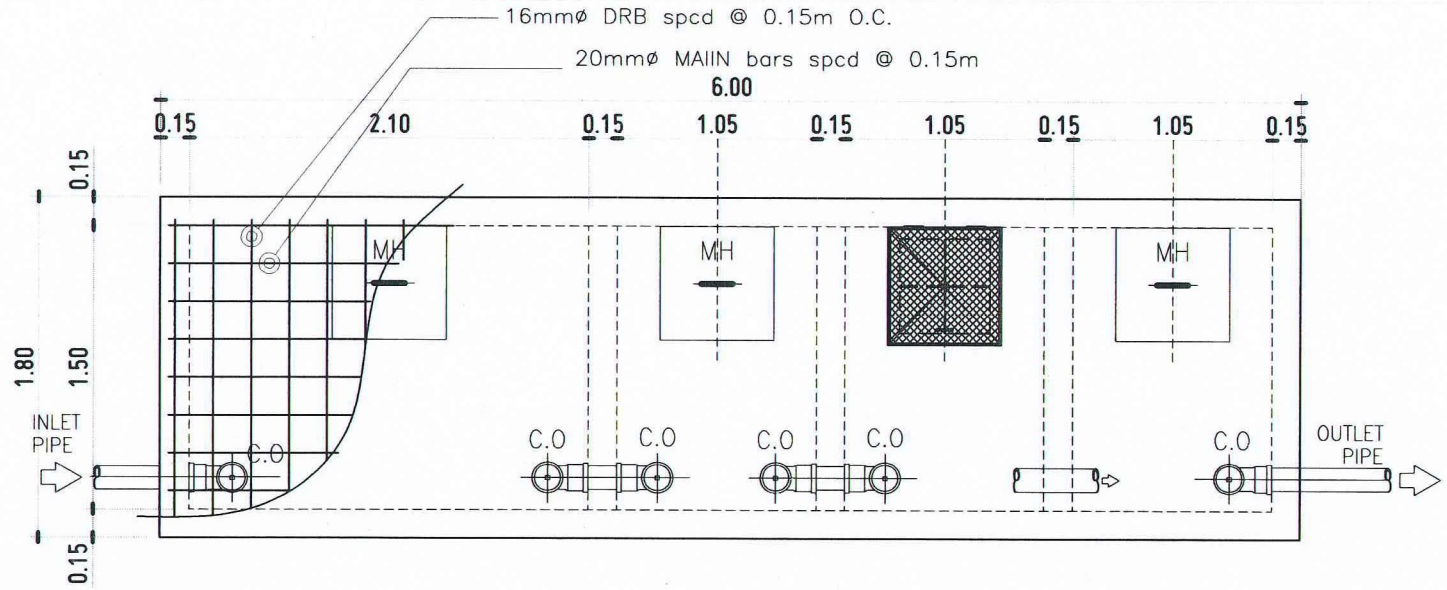
RECOMMENDING APPROVAL:
ATTY. JONATHAN S. OCHE
VP FOR ADMINISTRATION & LEGAL AFFAIRS

APPROVED BY:
AMBROSIO B. CULTURA II, PH.D
PRESIDENT, USTP SYSTEM

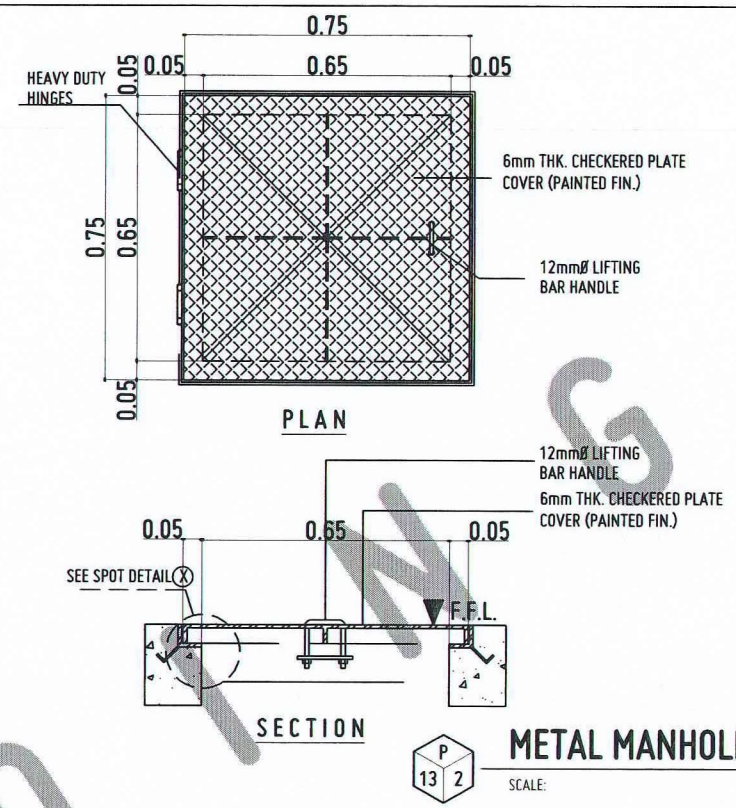
SHEET CONTENTS:
WATER CISTERN DETAILS
LADDER RUNG DETAILS
AIR VENT PIPE DETAIL

DRAWN BY:
DATE DRAWN:
FNT:

P13

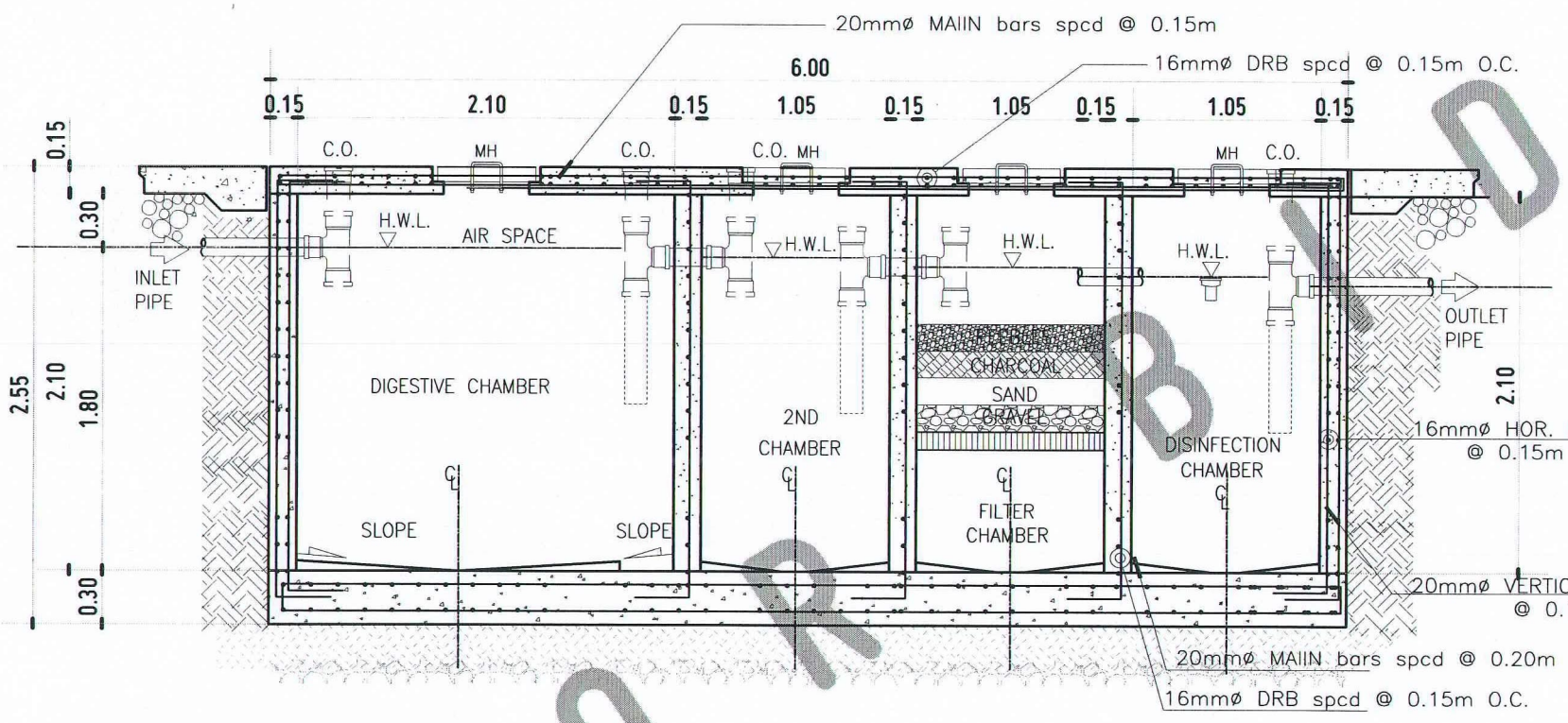


BLOW-UP PLAN

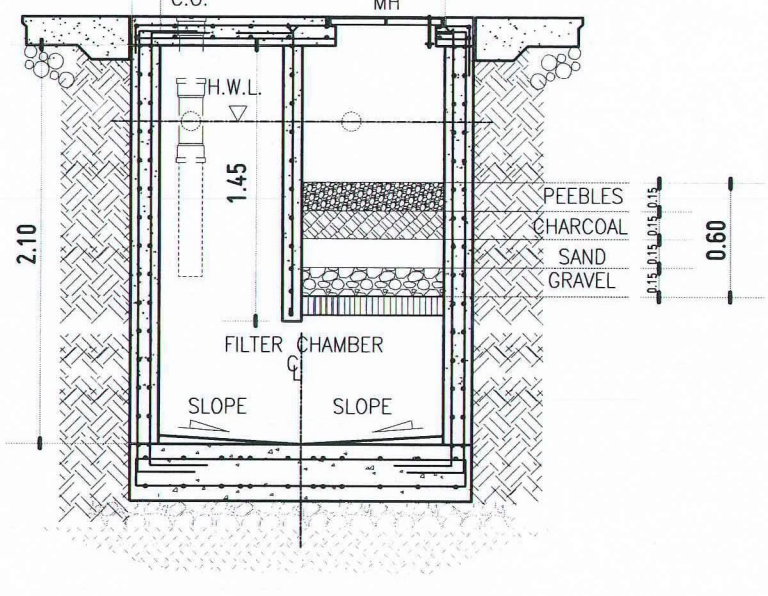


METAL MANHOLE COVER DETAIL

SCALE: 1:20 MTS



LONGITUDINAL SECTION DETAIL



CROSS SECTION DETAIL

SEPTIC TANK DETAILS

SCALE : 1:40 MTS

FOR BIDDING

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

Approved by:

REPUBLIC OF THE PHILIPPINES
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
CLARO M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY 9000
TELEPHONE # (08822) 72-60-65 / (088) 856-1738 / 856-1739 | TELE FAX (088) 856-4696
WEBSITE: www.ustp.edu.ph

MASTER PLUMBER
PRC NO. | PTR NO.
DATE:
TIN: | PLACE:

PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:
ENGR. GRACE C. BABA
DIRECTOR, INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT OFFICE

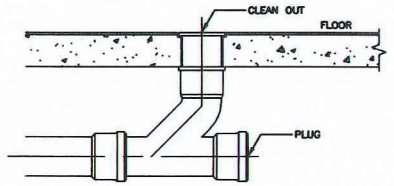
RECOMMENDING APPROVAL:
ATTY. JONATHAN S. OCHE
VP FOR ADMINISTRATION & LEGAL AFFAIRS

APPROVED BY:
AMBROSIO B. CULTURA II, PH.D
PRESIDENT, USTP SYSTEM

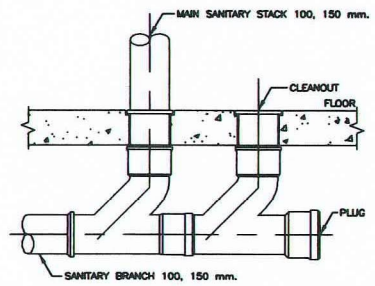
SHEET CONTENTS:
SEPTIC TANK DETAILS
METAL MANHOLE DETAILS

DRAWN BY:
DATE DRAWN:
FNT:

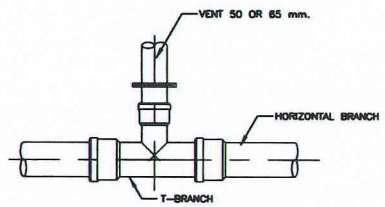
P14



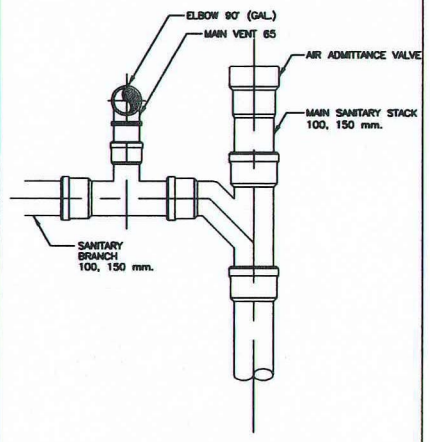
TYPICAL CLEAN OUT ON FLOOR



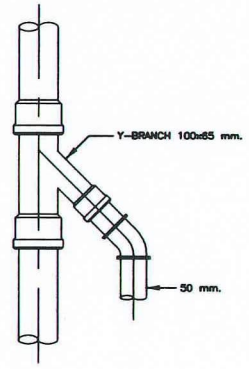
TYPICAL CLEANOUT
FOR MAIN SANITARY STACK TYPE 2



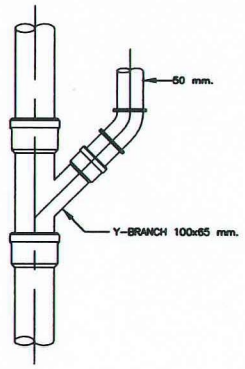
TYPICAL VENT FOR MAIN BRANCH TYPE 1



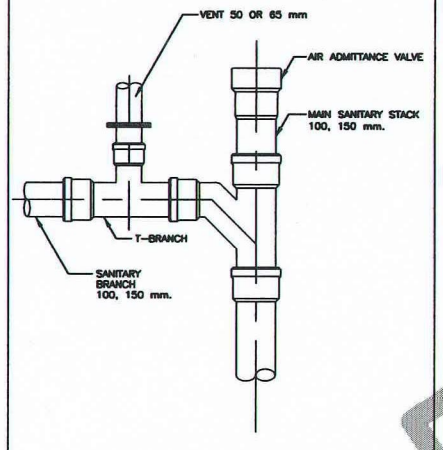
TYPICAL MAIN SANITARY STACK



TYPICAL VENT FOR STACK TYPE 1



TYPICAL VENT FOR STACK TYPE 2

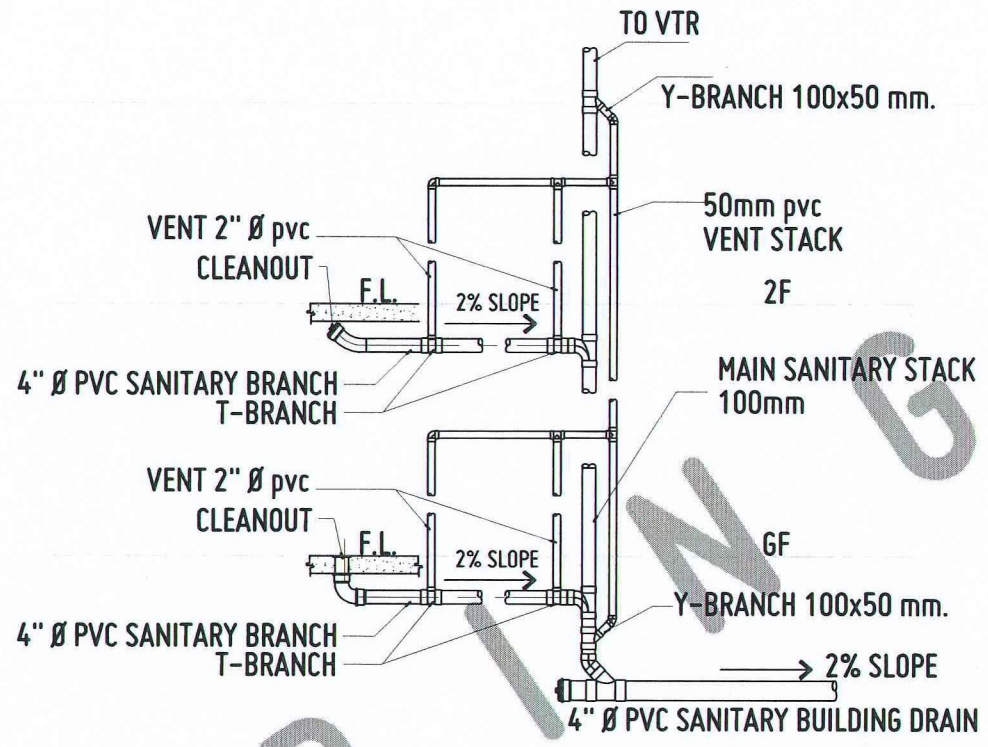


TYPICAL VENT FOR MAIN HORIZONTAL

PIPE CONNECTION DETAILS

P 14 1

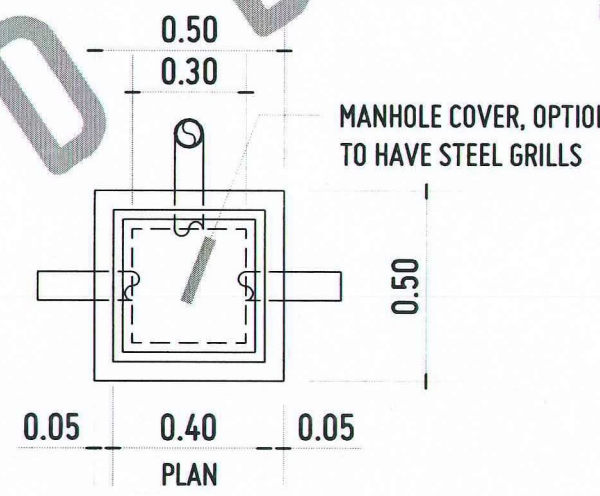
SCALE: NDTS

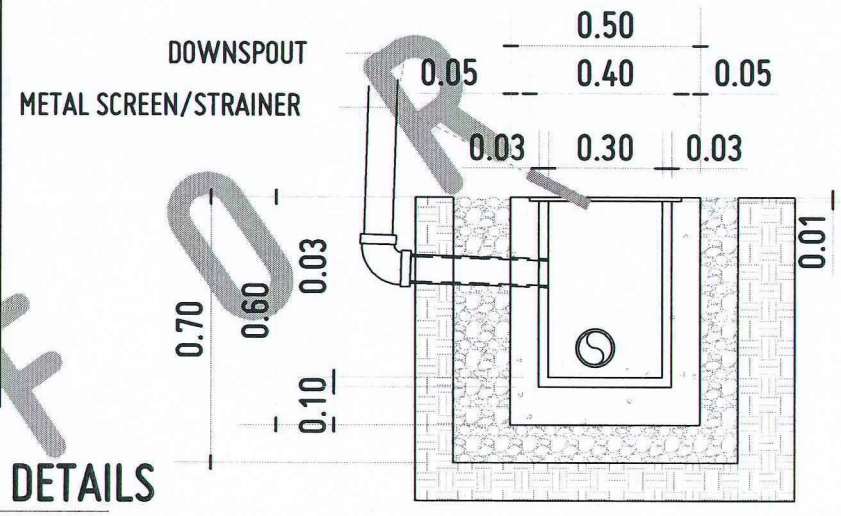


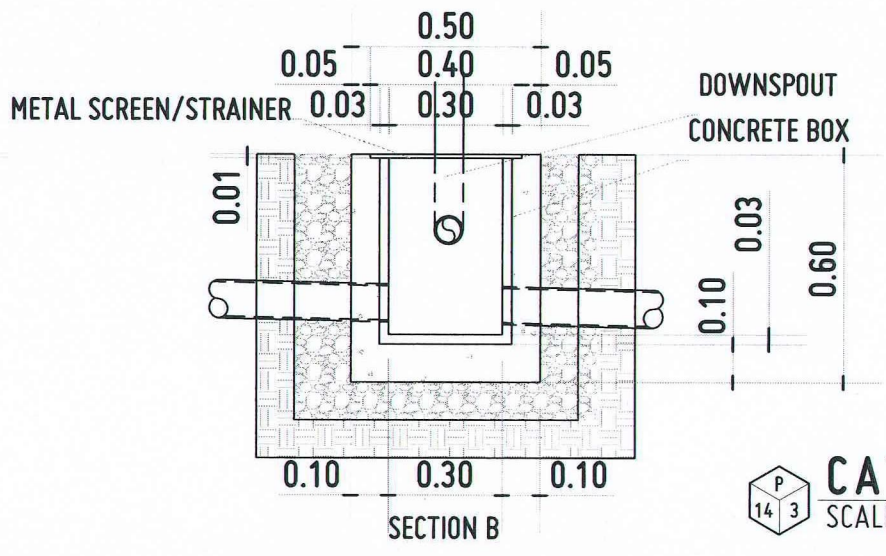
PLUMBING WASTE DIAGRAM

P 14 2

SCALE: NDTS







CATCH BASIN DETAILS

P 14 3

SCALE : 1:20 MTS

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

Approved by:

FOR BIDDING

USTP

REPUBLIC OF THE PHILIPPINES
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
CLARO M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY 9000
TELEPHONE # (08822) 72-60-65 / (088) 856-1738 / 856-1735 | TELE FAX (088) 856-4696
WEBSITE: www.ustp.edu.ph

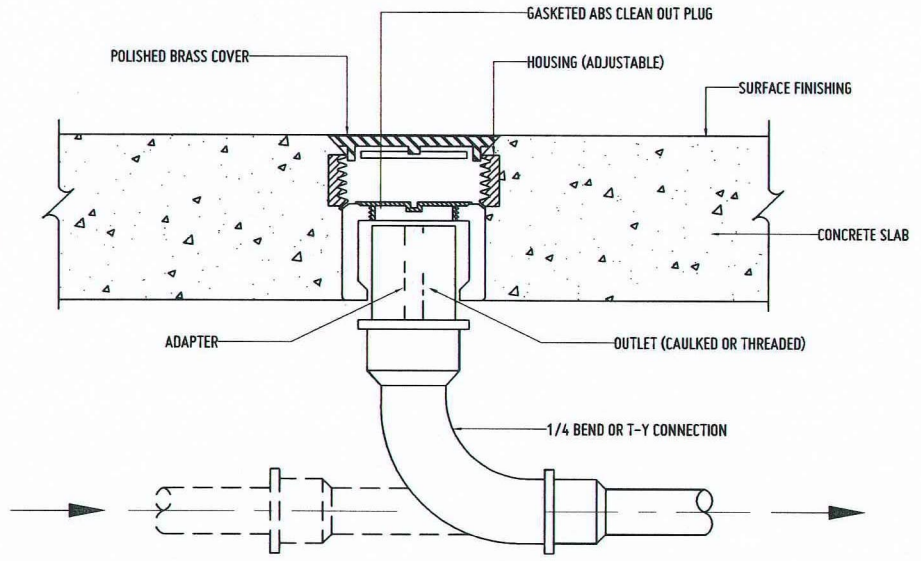
MASTER PLUMBER		PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
PRC NO.	PTR NO.	LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
	DATE:	OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES
TIN:	PLACE:		

RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	DRAWN BY:
ENGR. GRACE C. BABA	ATTY. JONATHAN S. OCHE	AMBROSIO B. GUTURA II, PH.D	PIPING CONNECTION DETAILS CATCH BASIN DETAILS LADDER RUNG DETAIL	DATE DRAWN:
DIRECTOR, INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT OFFICE	VP FOR ADMINISTRATION & LEGAL AFFAIRS	PRESIDENT, USTP SYSTEM		FNT:

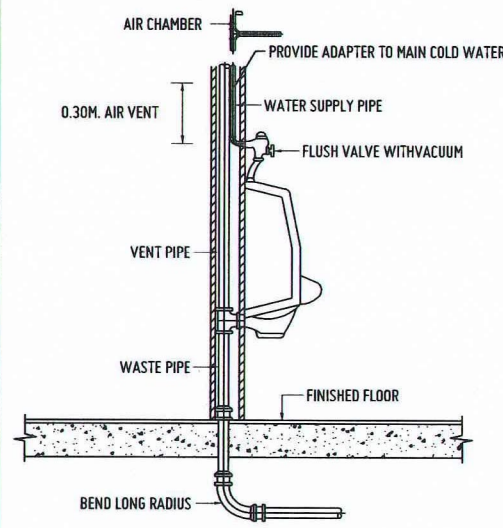
P15

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

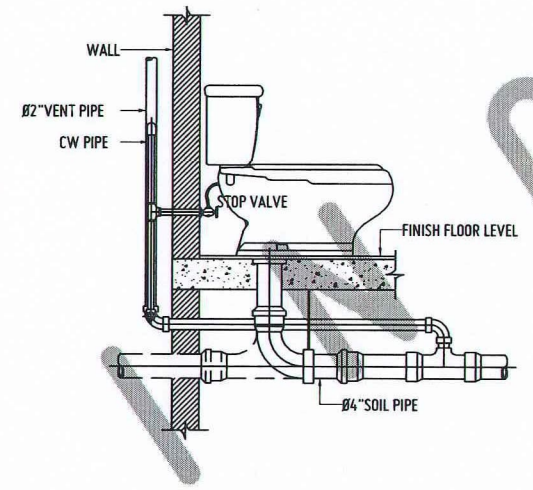
Approved by:



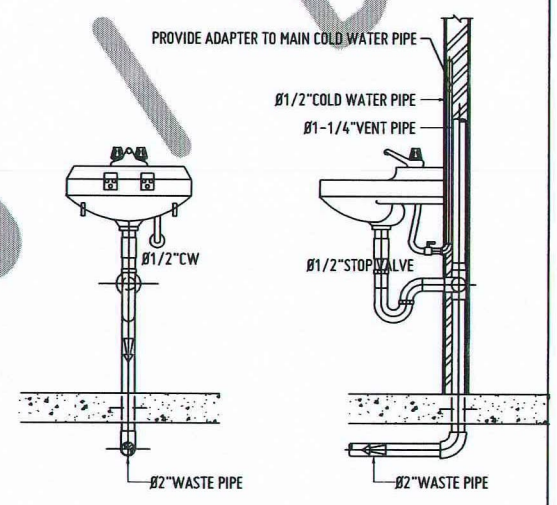
FLOOR CLEANOUT



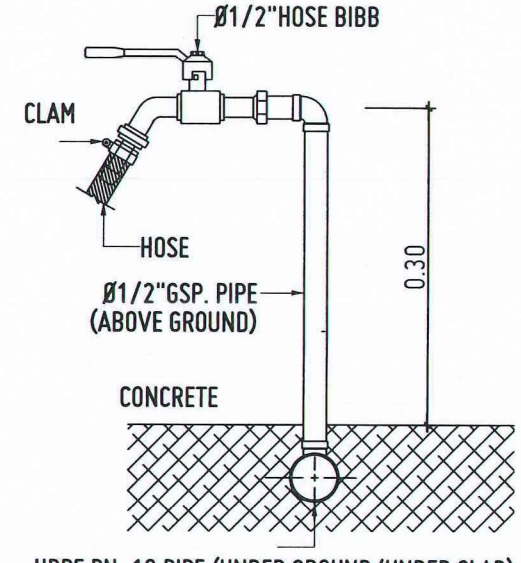
WALL HUNG URINAL (FLUSH VALVE TYPE)



WATER CLOSET WITH FLUSH TANK (WC)



LAVATORY



HOSE BIBB

FOR BIDDING

P 15 1

TOILET INSTALLATIONS & CONNECTION DETAILS

SCALE: NDTS

USTP

REPUBLIC OF THE PHILIPPINES
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

CLARO M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY 9000
TELEPHONE # (08822) 72-60-65 / (088) 856-1738 / 856-1739 | TELE FAX (088) 856-4696
WEBSITE: www.ustp.edu.ph

MASTER PLUMBER		PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
PRC NO.	PTR NO.	LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
	DATE:	OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES
TIN:	PLACE:		

RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	DRAWN BY:
ENGR. GRACE C. BABA	ATTY. JONATHAN S. OCHE	AMBROSIO B. CULTURA II, PH.D	TOILET INSTALLATION & CONNECTION DETAILS	DATE DRAWN:
DIRECTOR, INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT OFFICE	VP FOR ADMINISTRATION & LEGAL AFFAIRS	PRESIDENT, USTP SYSTEM		FNT:

P16

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

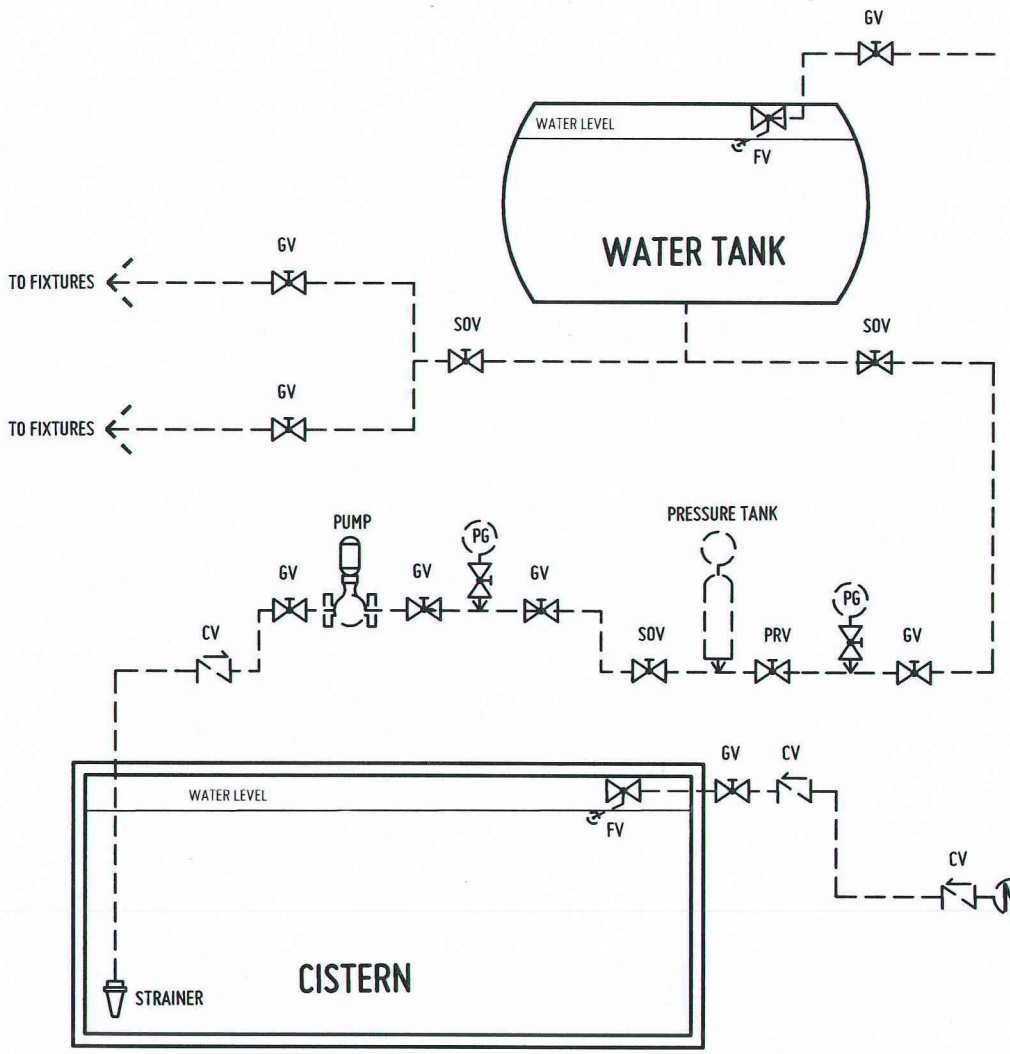
Approved by:

GENERAL NOTES & SPECIFICATIONS:

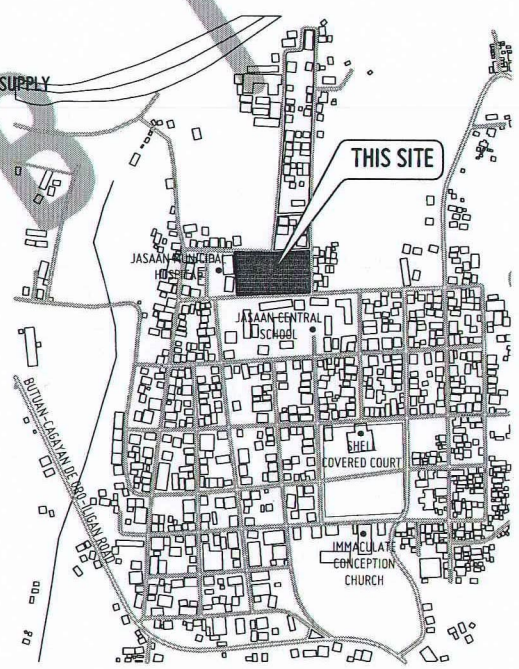
1. ALL PLUMBING WORKS SHOULD BE UNDER THE DIRECT SUPERVISION OF A LICENSED MASTER PLUMBER.
2. ALL PLUMBING INSTALLATION SHOULD BE GOVERNED BY THE NATIONAL PLUMBING CODE OF THE PHILIPPINES AND EXISTING CITY OR LOCAL ORDINANCES.
3. NO SEPTIC VAULT SHALL BE INSTALLED WITHIN OR INSIDE THE BUILDING.
4. TANK MUST BE BUILT WATER TIGHT OF CONCRETE, STONE OR C.H.B..
5. BOTH COMPARMENTS ARE PROVIDED WITH MANHOLE AND TIGHT COVER FOR CLEANING AND REPAIRS.
6. INLET AND OUTLET ARE SUBMERGED AND ARRANGED IN SUCH AWAY THAT NIETHER SLUDGE NOR SCUM BE UNDULY DISTURBED. BOTTOM OF THE TANK SHOULD HAVE A SLOPE OF 1:10 TOWARDS THE MANHOLE IN THE CENTER TO FACILITATE CLEANING.
7. NOT LESS THAN 0.20M. OF AIRSPACE SHOULD BE LEFT BETWEEN THE TOP OF THE SEWAGE AND THE UNDER PART OF THE TANK.

Plumbing Symbol

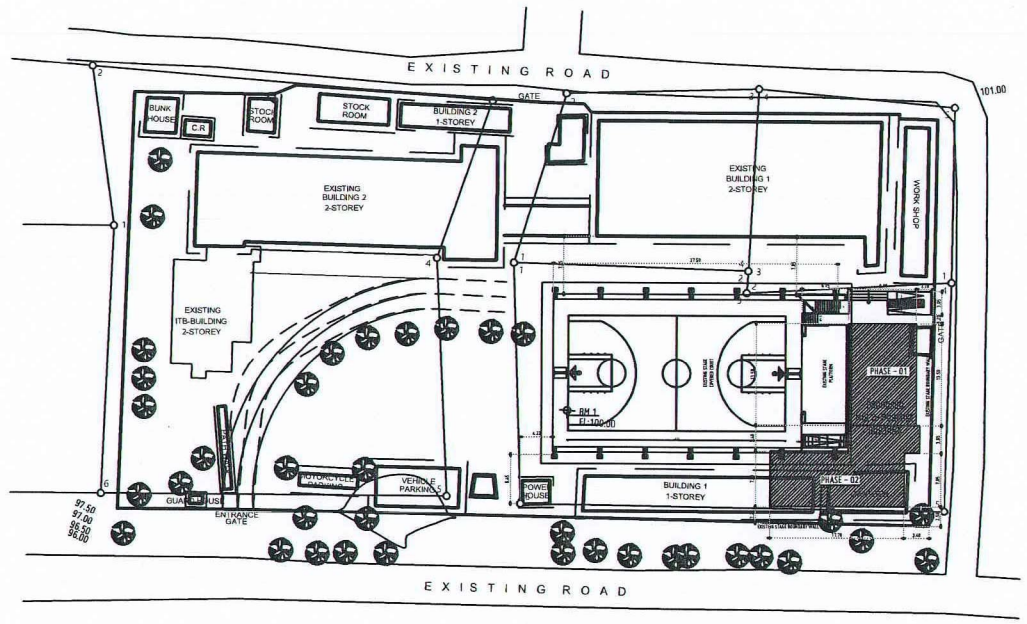
	Wall Lavatory	VS	Vent Stack
	Kitchen Sink, R & L Drain Board	VSTR	Vent Stack Thru Ro
	Water Closet (Tank-Type)	SS	Soil Stack
		WS	Waste Stack
M	Meter	SV	Septic Vault
SOV	Shut-off Valve	fd	Floor Drain
R	Riser	GD	Gutter Drain
GV	Gate Valve	DD	Deck Drain
CV	Check Valve	wc	Water Closet
HB	Hose Bib	lav	Lavatory
VP	VS / VTW PVC Pipe Series 1000	uri	Urinal
SP	SP PVC Pipe Series 1000	ks	Kitchen Sink
WS	WP PVC Pipe Series 1000	cco	Ceiling Cleanout
GT	Grease Trap	fco	Floor Cleanout
CB	Catch Basin	co	Cleanout



P 16 1 **WATER SUPPLY SINGLE LINE DIAGRAM**
SCALE: NDTS

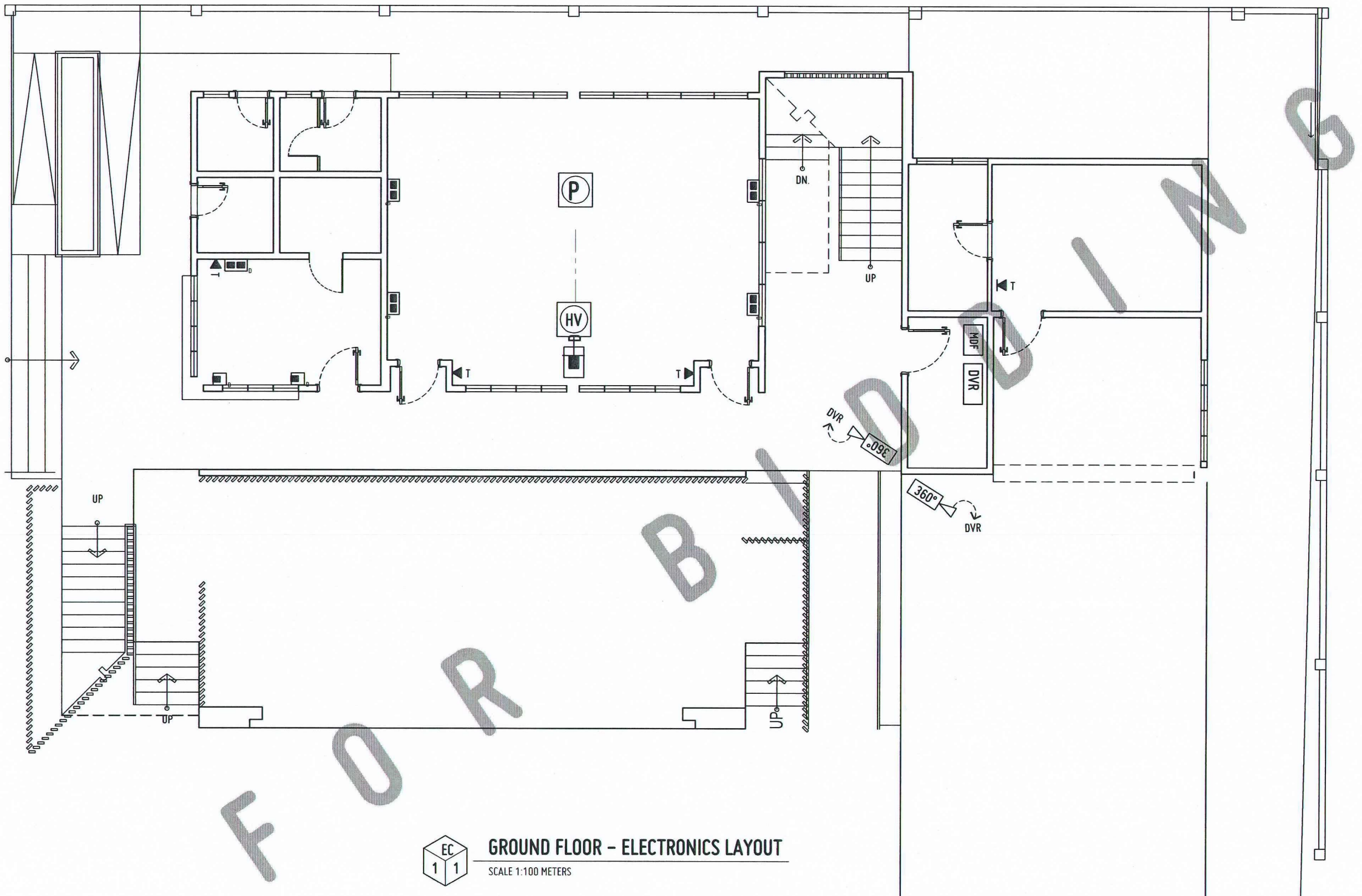


M 1 **VICINITY MAP**
NOT TO SCALE


EXISTING ROAD
BUNK HOUSE
C.R.
STOCK ROOM
STOCK ROOM
BUILDING 2 1-STOREY
GATE
EXISTING BUILDING 1 2-STOREY
EXISTING BUILDING 2 2-STOREY
HOUSE SHOP
EXISTING ITB-BUILDING 2-STOREY
RAMP UP
RAMP UP
RAMP DOWN
RAMP DOWN

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

Approved by:



FOR BIDDING

EC 1 1

GROUND FLOOR – ELECTRONICS LAYOUT

SCALE 1:100 METERS

USTP

REPUBLIC OF THE PHILIPPINES
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

CLARO M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY 9000
TELEPHONE # (08822) 72-60-65 / (088) 856-1738 / 856-1739 | TELE FAX (088) 856-4696
WEBSITE: www.ustp.edu.ph

PROFESSIONAL ELECTRONICS ENGINEER	
PRC NO.	PTR NO.
	DATE:
TIN:	PLACE:

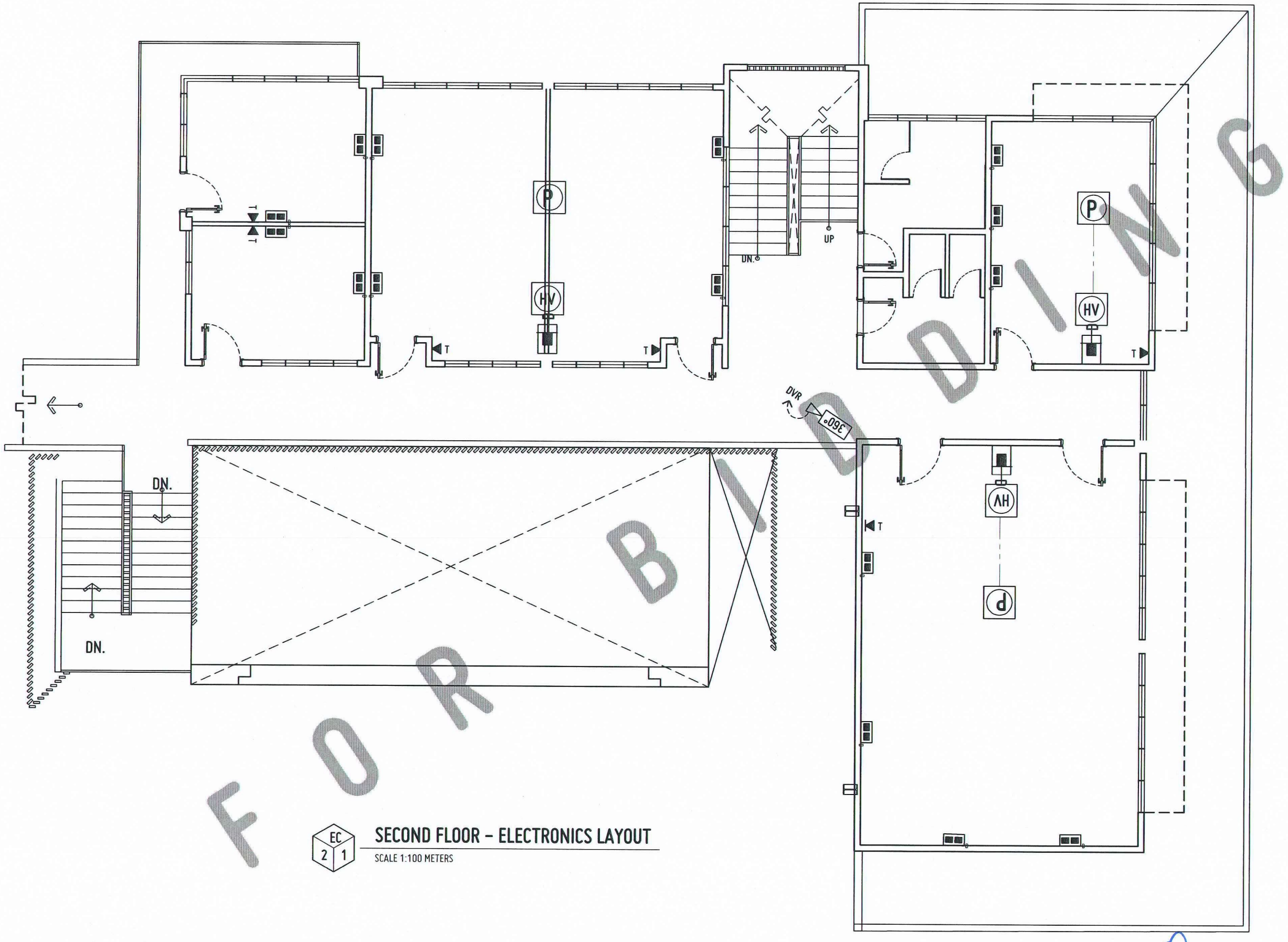
PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	DRAWN BY:
ENGR. GRACE C. BABA	ATTY. JONATHAN S. OCHE	AMBROSIO B. CULTURA II, PH.D	GROUND FLOOR ELECTRONICS LAYOUT	DATE DRAWN:
DIRECTOR, INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT OFFICE	VP FOR ADMINISTRATION & LEGAL AFFAIRS	PRESIDENT, USTP SYSTEM		FNT:

ECE1

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

Approved by:



FOR BIDDING

EC 2 1

SECOND FLOOR – ELECTRONICS LAYOUT

SCALE 1:100 METERS

USTP

REPUBLIC OF THE PHILIPPINES
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT

CLARO M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY 9000
TELEPHONE # (08822) 72-60-65 / (088) 856-1738 / 856-1739 | TELE FAX (088) 856-4696
WEBSITE: www.ustp.edu.ph

PROFESSIONAL ELECTRONICS ENGINEER
PRC NO. | PTR NO.
DATE:
TIN: | PLACE:

PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:
ENGR. GRACE C. BABA
DIRECTOR, INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT OFFICE

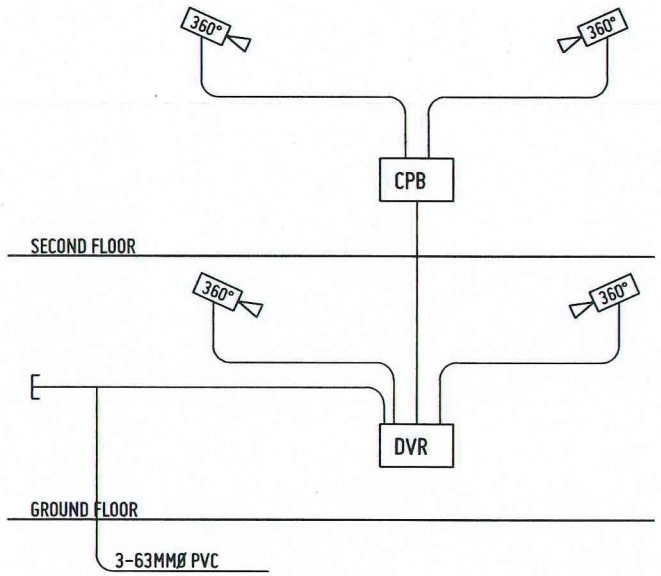
RECOMMENDING APPROVAL:
ATTY. JONATHAN S. OCHE
VP FOR ADMINISTRATION & LEGAL AFFAIRS

APPROVED BY:
AMBROSIO B. CULTURA II, PH.D
PRESIDENT, USTP SYSTEM

SHEET CONTENTS:
SECOND FLOOR ELECTRONICS LAYOUT

DRAWN BY:
DATE DRAWN:
FNT:

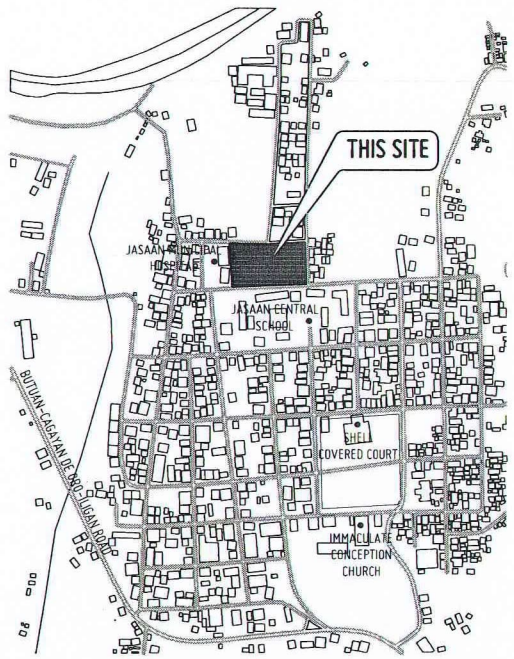
ECE2



EC 3 2

CCTV SYSTEM RISER DIAGRAM

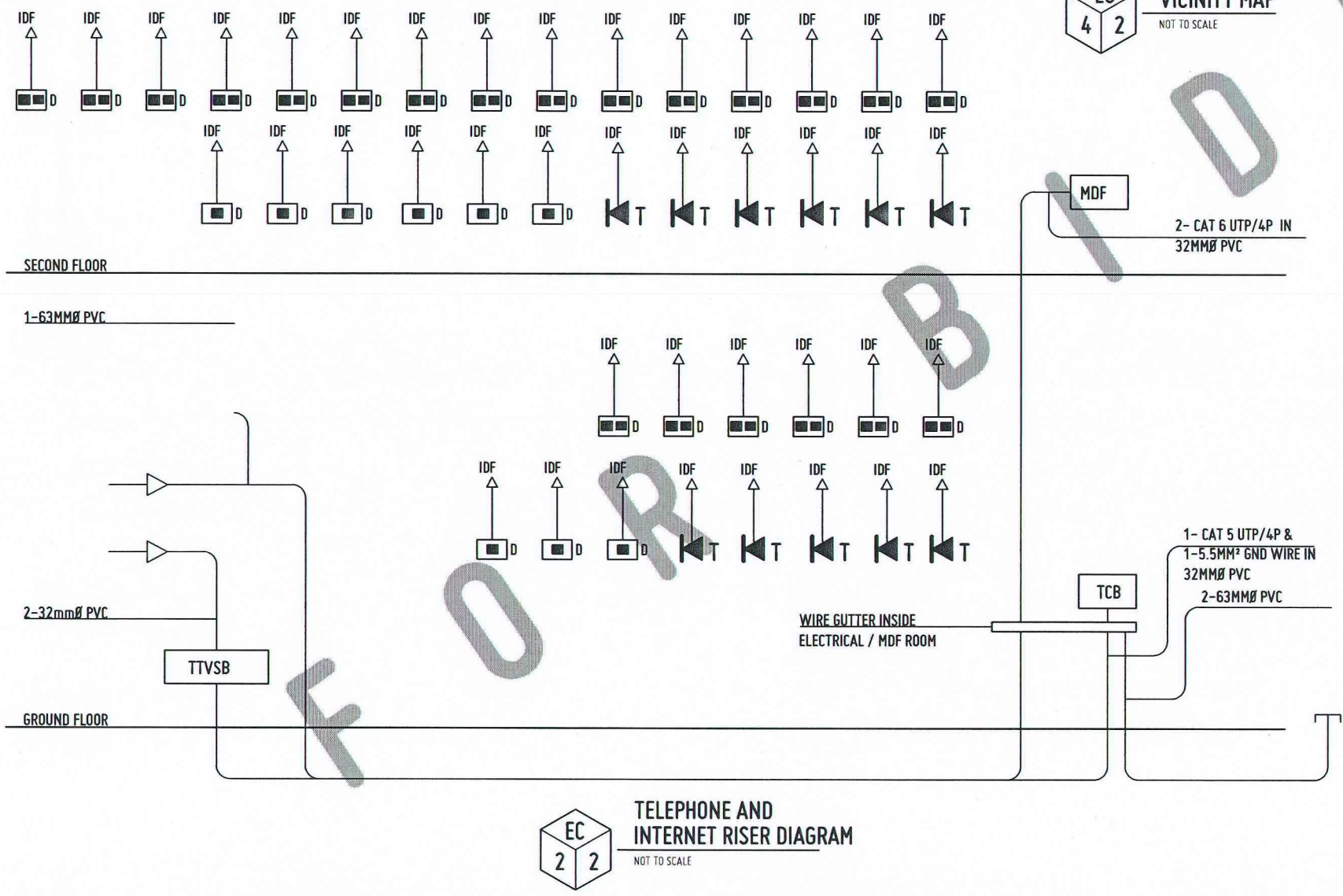
NOT TO SCALE



EC 4 2

VICINITY MAP

NOT TO SCALE



EC 2 2

TELEPHONE AND INTERNET RISER DIAGRAM

NOT TO SCALE

1. SYMBOL

D CCTV — CLOSED CIRCUIT TELEVISION, DOME TYPE

PROVIDE SIGNAL CABLE & POWER CABLE FOR EACH CAMERA, WIRING IS SUBJECT TO MANUFACTURER'S STANDARD.

360° CCTV — CLOSED CIRCUIT TELEVISION, REVOLVING 360°

CPB — CCTV WRING PULLBOX WITH POWER SUPPLY

DVR — DIGITAL VIDEO RECORDER

2. MINIMUM CONDUIT SHALL BE 20MM (3/4")Ø. USE IMC FOR ALL EXPOSED CONDUIT OR INSIDE DRYWALL AND PVC FOR ALL CONCRETE EMBEDDED CONDUIT.
3. VERIFY EXACT NUMBER OF CCTV CAMERA WITH LAYOUT.
4. VERIFY AND/OR COORDINATE WITH OWNER/USER THE EXACT LOCATION OF DVR PRIOR TO LAYOUT OF CONDUIT.
5. BOND ALL CPB, CABLE TRAY USING 5.5MM² GROUND WIRE AND BOND TO IBTB
6. CCTV SYSTEM AND WIRING SCHEDULE.

C	CONDUIT SIZE, MM².(INCHØ)	
	METAL	uPVC
1	20	25 (3/4)
2	20	25 (3/4)
4	25	32 (1)
8	32	40 (1- 1/4)
10	40	50 (1- 1/2)
15	50	63 (2)

CONDUIT SIZE MMØ (INCHØ)		NUMBER OF TEL/DATA CAT5e CABLE			
METAL	uPVC	CAT 5 OR 6e 4 PAIR	25 -PAIR	50 -PAIR	100 -PAIR
20	25 (3/4)	4	1	-	-
25	32 (1)	6	1	-	-
32	40 (1-1/4)	12	3	1	-
40	50 (1-1/2)	16	4	1	1
50	63 (2)	27	7	2	1
60	75 (2-1/2)	39	10	4	1
80	90 (3)	60	15	6	3
90	100 (3-1/2)	81	20	8	4
100	110 (4)	104	26	11	6

NOTE:
CABLE SHALL HAVE 1000MM LOCK SLACK INSIDE THE CABINET OR PULLBOX
USE ONLY LONG ELBOW FOR ALL 90° CONDUIT BEND.

LEGEND

- T — SINGLE TELEPHONE WALL OUTLET, RJ11
- T — SINGLE TELEPHONE FLOOR MOUNTED OUTLET
- D — SINGLE UNIVERSAL DATA WALL OUTLET. RJ45
- D — DUPLEX UNIVERSAL DATA WALL OUTLET. RJ45
- IDF — INTERMEDIATE DISTRIBUTION FRAME
- MDF — MAIN DISTRIBUTION FRAME
- WALL CABLE TV OUTLET, PROVIDE 1- RG6/U COAXIAL CABLE
- CTB — CABLE TV BOX
- TCB — TELEPHONE AND CABLE TV BOX
- P — PROVISION FOR HDMI/VGA CABLING FOR OVERHEAD PROJECTOR, VERIFY EXACT LOCATION WITH ARCHITECT.
- HDMI & GA WALL OUTLET IN SINLGE PLATE INTERCONNECT WITHTHE OVERHEAD PROJECTOR HDMI/VGA WIRING PROVISION OR T.V APPLIANCES HDMI/ VGA CABLE VIA 63MMØ PVC.REFER TO LAYOUT.

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

Approved by:

GENERAL NOTE:

1. ALL ELECTRONIC WORKS HERE IN SHALL BE DONE ACCORDANCE WITH THE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRONICS CODE. THE RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITIES AND THE REQUIREMENTS OF THE UTILITY TELEPHONE COMPANY.
2. ALL ELECTRONIC WORKS HERE IN INCLUDED SHALL BE EXECUTED BY THE PERSONNEL WITH ELECTRICAL EXPERIENCE UNDER THE DIRECT SUPERVISION OF A FULL TIME LICENSED ELECTRONICS ENGINEER, WORKS SHALL BE NEATLY PLACED, SECURELY FASTENED AND PROPERLY FINISHED.
3. THE CONTRACTOR SHALL VERIFY AND ORIENT THE ACTUAL LOCATION OF THE TAPPING POINT FR CONNECTION TO COMMUNICATION SUPPLY.
4. ALL MATERIALS SHALL BE BRAND NEW AND SHALL CONFORM WITH THE PROVISIONS OF THE UNDER WRITERS LABORATORIES INC., IN EVERY CASE WHERE SUCH A STANDARD HAS BEEN ESTABLISHED.
5. ALL CONDUITS MUST BE PROTECTED AGAINST DAMAGES BY THE ENTRANCE OF THE WATER AND FOREIGN MATTERS DURING CONSTRUCTION.ALL ENDS OF CONDUITS SHALL BE PLUGGED TO EXCLUDE MOISTURE AND DUST IMMEDIATELY AFTER THE CONDUITS ARE PLACED.
6. UNLESS OTHERWISE SPECIFIED, ALL ELECTRONICS WIRING INSTALLATION SHALL BE USED RSC.THE MINIMUM SIZE OF CONDUIT SHALL BE 15MMØ.
7. ALL RACEWAYS, WALL, AND FLOOR PENETRATION SHALL BE PROVIDED WITH FIRE BARRIER OF THE APPROVED TYPE.
8. ALL OUTLET BOXES SHALL BE GALVANIZED GAGE NO. 16 DEEP TYPE WITH THE FACTORY KNOCKOUTS. PULLBOXES SHALL BE USED WHEN APPLICABLE FOR EASY PULLING OF WIRES AND SHALL BE IN ACCORDANCE WITH THE PHILIPPINE ELECTRICAL CODE REQUIREMENT. PREFERRED BRAND FOR JUNCTION, PULLBOXES OR UTILITY SQUARE BOXES SHALL BE FUMACO,AMCO,TIMO OR APPROVED EQUAL.
9. MOUNTING HEIGHTS OF DEVICES SHALL BE: (SUBJECT TO ARCHITECTS APPROVAL PRIOR TO INSTALLATION)
10. ALL SPEAKER WIRING SHALL BE 2-0.75 SQ.MM SHIELDED SPEAKER WIRE.
11. NETWORK CABLWES/ CONDUIT SHALL HAVE A MINIMUM DISTANCE OF 0.3M FROM POWER CONDUIT WHEN LAND PARALLEL AND MUST RUN PERPENDICULAR TO THE STEEL CONDUIT WHEN CUTTING ACROSS A POWER LINE.
12. THE PLANS AS DRAWN ARE BASED UPON THE ARCHITECTURAL PLANS AND THE DETAILS AND SHOWN CONDITION AS ACCURATELY AS IT IS POSSIBLE TO INDICATE THEM IN SCALE. THE PLANS ARE DIAGRAMMATICAL AND DOES NOT NECESSARILY SHOW ALL FITTINGS NECESSARY TO FIT TO THE BUILDING CONDITIONS. THE LOCATIONS OF OUTLETS, APPARATUS AND APPLIANCES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTORS SHALL BE HELD RESPONSIBLE FOR THEIR PROPER LOCATION IN ORDER TO MAKE THEM FIT WITH THE ARCHITECTURAL DETAILS AND INSTRUCTIONS FROM THE ENGINEER'S REPRESENTATIVE AT THE SITE.

FOR BIDDING

USTP

REPUBLIC OF THE PHILIPPINES
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
CAGAYAN DE ORO CAMPUS
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT
CLARO M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY 9000
TELEPHONE # (08822) 72-60-65 / (088) 856-1738 / 856-1739 | TELE FAX (088) 856-4696
WEBSITE: www.ustp.edu.ph

PROFESSIONAL ELECTRONICS ENGINEER
PRC NO. | PTR NO.
DATE:
TIN: | PLACE:

PROJECT	PROVISION FUNDING FOR CONSTRUCTION OF MULTI-PURPOSE BUILDING
LOCATION	USTP JASAAN CAMPUS, UPPER JASAAN, MISAMIS ORIENTAL
OWNER	UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:
ENGR. GRACE C. BABA	ATTY. JONATHAN S. OCHE	AMBROSIO B. CULTURA II, PH.D
DIRECTOR, INFRASTRUCTURE PLANNING & FACILITY DEVELOPMENT OFFICE	VP FOR ADMINISTRATION & LEGAL AFFAIRS	PRESIDENT, USTP SYSTEM

SHEET CONTENTS:
TELEPHONE AND INTERNET RISER DIAGRAM
LEGEND & SYMBOLS
GENERAL NOTES
VICINITY MAP

DRAWN BY:
DATE DRAWN:
FNT:

ECE3