



**BID BULLETIN 01**

**Date:** 02 May 2023  
**Project Title:** Construction of Boar Semen Cryopreservation Laboratory Building (VSU-INFRA-23-02)  
**Location:** VSU Main, Visca, Baybay City, Leyte

Bidders are hereby informed/reminded of the following addendums/amendments/clarifications:

**I. LIST OF REQUIREMENTS**

<b>(1st Envelope) TECHNICAL COMPONENT ENVELOPE</b>	
<i>Legal Documents</i>	
1	Valid PhilGEPS Certificate of Registration (Platinum) (all pages)
<i>Technical Documents</i>	
2	Statement of All On-Going Government & Private Contracts
3	Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules, at least 50% of the ABC or <b>at least One Million One Hundred Ninety-Five Thousand Six Hundred Fifty-Six and 64/100 Pesos (PhP 1,195,656.64)</b>
4	PCAB License ( <b>at least Small B</b> )
5	Bid Security
6	Organizational Chart for the contract to be bid
7	List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data ( <b>see Section III. Bid Data Sheet for the minimum requirement</b> )
8	List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be ( <b>see Section III. Bid Data Sheet for the minimum requirement</b> )
9	Original Duly Signed Omnibus Sworn Statement
<i>Financial Documents</i>	
10	The Supplier's Audited Financial Statements
11	Net Financial Contracting Capacity (at least PhP 2,391,313.27)
<b>(2<sup>nd</sup> Envelope) FINANCIAL COMPONENT ENVELOPE</b>	
12	Original of duly signed and accomplished Financial Bid Form
13	Original of duly signed Bid Prices in the Bill of Quantities
14	Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid
15	Cash Flow by Quarter



**II. Other Changes in the Bidding Documents**

- a. Revision of the Drawings (Please see below)

**III. Preparation of Electronic Bid (for bidders who prefer electronic bid submission)**

1. Scan **per document** into Portable Document Format (PDF) and should be printable ble.
2. Properly label all documents for prompt identification. Filename of documents, whichever are applicable to the bidder, should be as follows:

Document	Filename (in PDF form)
1. PhilGEPS Certificate of Registration (Platinum)	PhilGEPS
2. Statement of On-Going Government & Private Contracts	Statement of On-Going Contracts
3. Statement of Bidder's Single Largest Completed Contract	SLCC
4. PCAB License	PCAB License
5. Bid Security	Bid Security
6. Organizational Chart for the contract to be bid	Organizational Chart
7. List of contractor's key personnel	List of Contractor's Personnel
8. List of contractor's major equipment units	List of Contractor's Equipment
9. Original duly signed Omnibus Sworn Statement (OSS)	Omnibus Sworn Statement
10. Audited Financial Statements	Audited Financial Statements
11. Contractor's NFCC	NFCC
12. Financial Bid Form	Bid Form
13. Bid prices in the Bill of Quantities	Bill of Quantities
14. Detailed estimates, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid	Detailed Estimates
15. Cash flow by quarter or payment schedule	Cash Flow

3. Create two (2) folders that are password-protected. The first folder should contain all requirements under Technical Component checklist as presented under Section VIII. The second folder should contain all requirements under Financial Component checklist.
4. Compress the two (2) folders and name as follows: a) first folder: **Technical Documents**, b) second folder: **Financial Documents**.
5. Email the 2 compressed folders to Ms. Jessamine C. Ecleo at [jessamine.ecleo@vsu.edu.ph](mailto:jessamine.ecleo@vsu.edu.ph) before the dead.

**IV. Payment for Bidding Documents**

The Bidders may deposit the applicable fee for the bidding documents (PhP 5,000.00) to Visayas State University **Landbank** Account:

**Account Name:** Visayas State University Fund 164  
**Account Number:** [3572-1000-13](#)

Send the deposit slip to Ms. Jessamine C. Ecleo at [jessamine.ecleo@vsu.edu.ph](mailto:jessamine.ecleo@vsu.edu.ph).

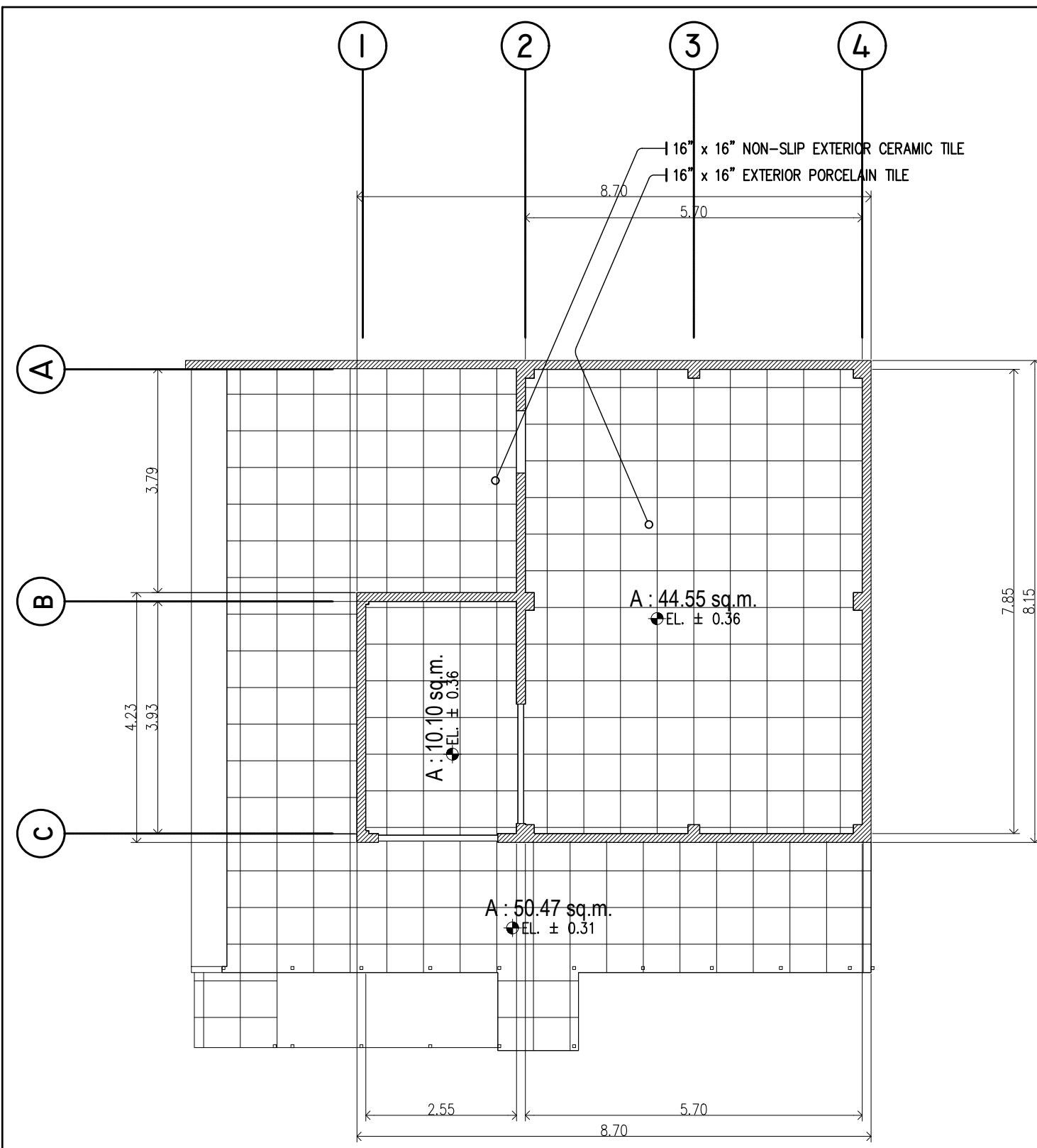


**VISAYAS**  
STATE UNIVERSITY

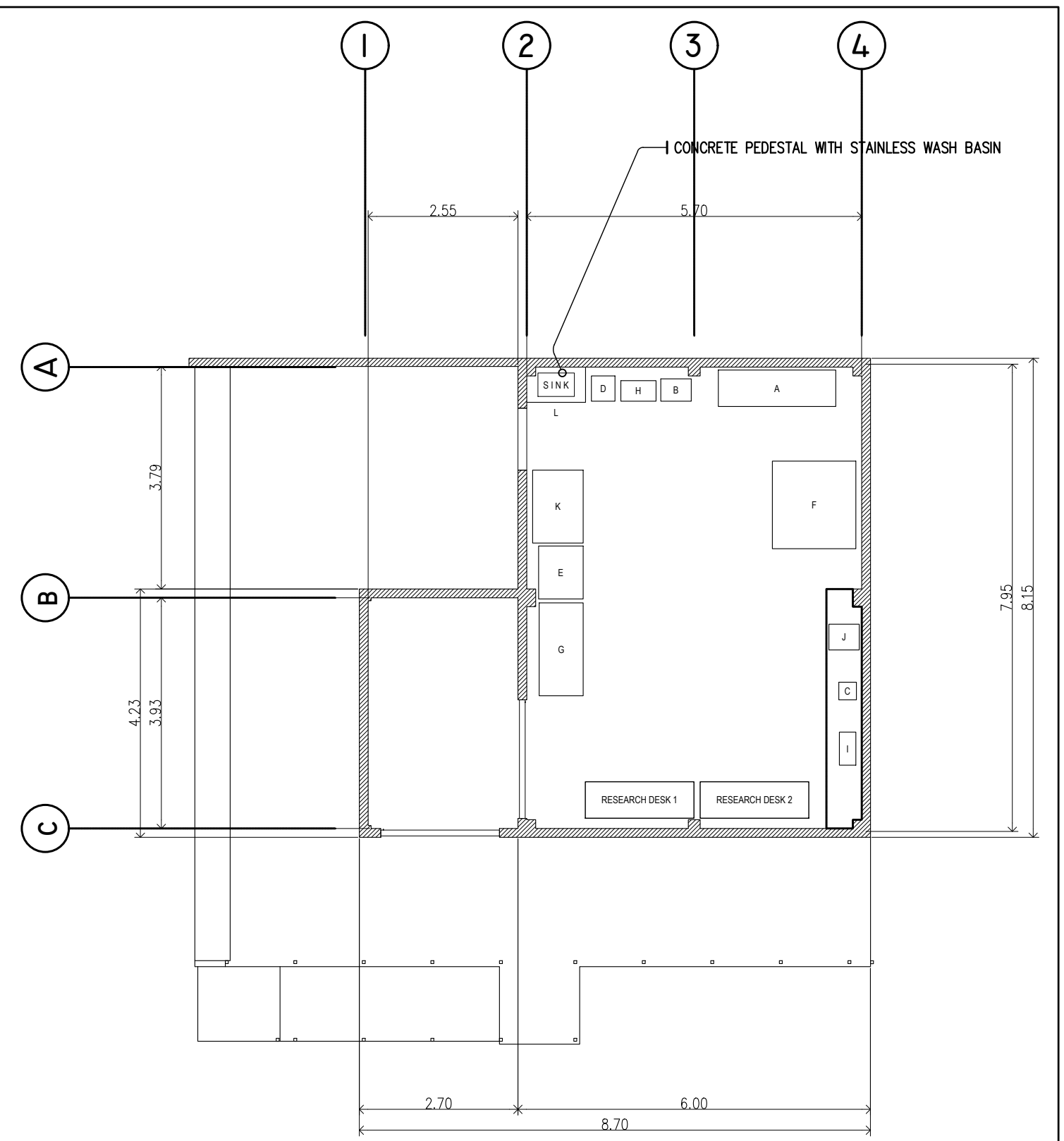
VSU-INFRA-23-02  
*Construction of Boar Semen Cryopreservation Laboratory Building  
Visayas State University - Main, Visca, Baybay City Leyte*

A handwritten signature in blue ink, appearing to read "Dilberto O. Ferraren".

**DILBERTO O. FERRAREN**  
BAC Chairman



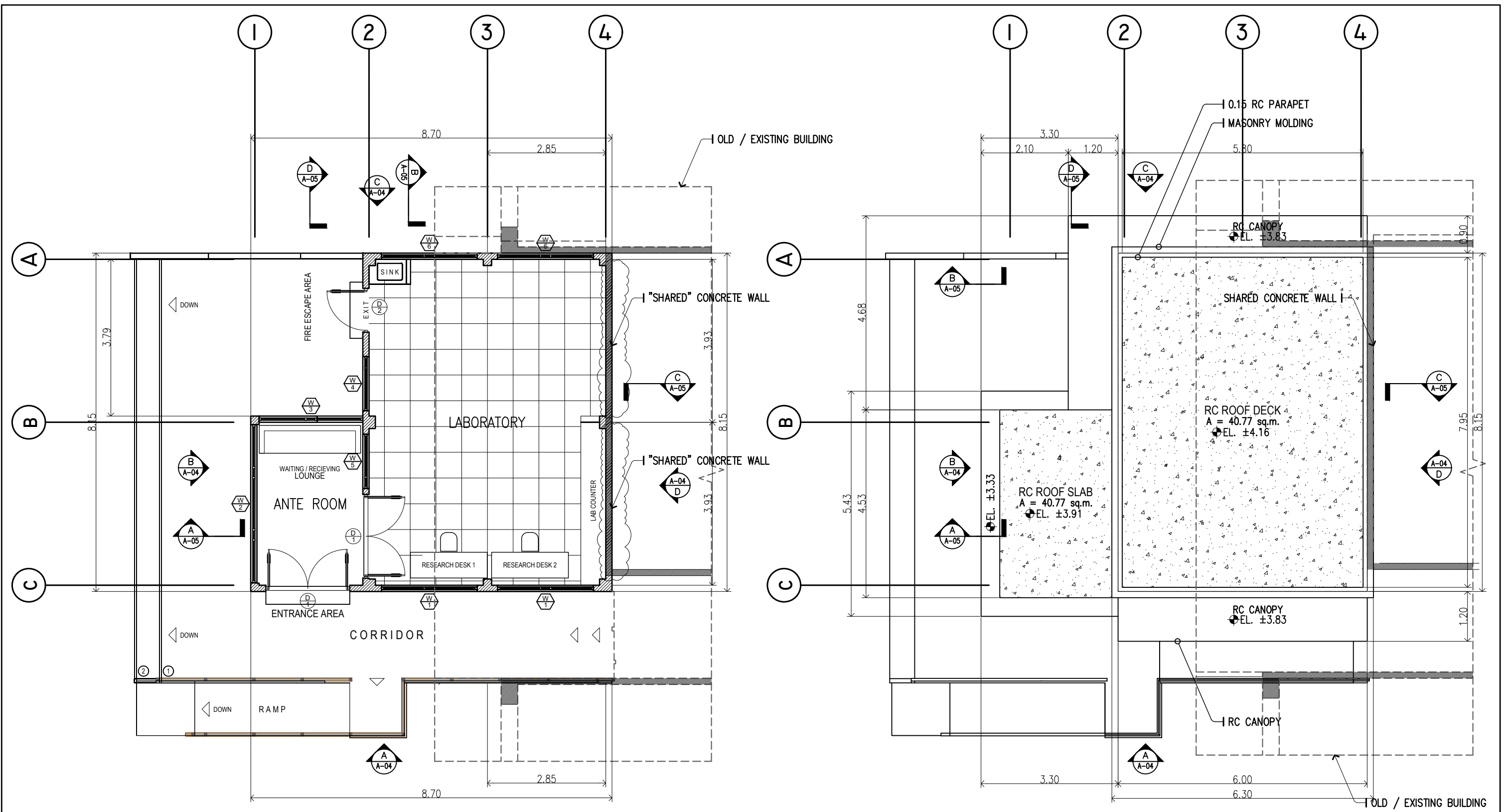
(BSC LABORATORY)  
**FLOOR PATTERN**  
 SCALE 1: 120M



(BSC LABORATORY)  
**FIXTURE LAYOUT**  
 SCALE 1: 120M

- LEGENDS:**
- A VERTICAL COLD CABINET
  - B PROGRAMMABLE FREEZER
  - C AI INCUBATOR
  - D WATER BATH
  - E DOUBLE DOOR REFRIGERATOR
  - F STERILIZER OVEN
  - G VERTICAL LAMINAR FLOW HOOD
  - H AUTOCLAVE STEAM STERILIZER
  - I VENTILATED MICROCENTRIFUGE
  - J MICROWAVE OVEN
  - K SPARE
  - L WASH BASIN / SINK

TIN : 930-953-275	Design & Seal	Project Title :	Checked by :	Noted by :	Approved by :	<b>SHEET CONTENTS:</b>	Designed by : ELVON	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <span style="font-size: 24px; font-weight: bold;">A1 07</span>  <span style="font-size: 12px;">SHEET NO.</span>  <span style="font-size: 24px; font-weight: bold;">03 14</span> </div>
PRC : 0018370	<b>ELVIN A. CABAÑERO</b> ARCHITECT II	<b>"PROPOSED"</b> <b>BOAR SEMEN</b> <b>CRYOPRESERVATION</b> <b>LABORATORY</b> LOCATION: PANGASUGAN, VSU-MAIN, BAYBAY CITY	<b>ENGR. MARCELO T. ABRERA, JR.</b> HEAD, PDM	<b>Dr. DANIEL LESLIE S. TAN</b> VP OF ADMINISTRATION & FINANCE	<b>Dr. EDGARDO E. TULIN</b> VSU PRESIDENT	<b>FPL</b>	CAD by : ELVON	
PTR : 3695759						Date Started : Oct. 21		
Date : 20 JANUARY 2021						Date Finished : Dec. 21		
PL. ISS. : JAVIER, LEYTE						Revision : 2.10		



SEE DETAIL OF:  
**A** SCHEDULE OF DOORS & WINDOWS  
**B** -

(BSC LABORATORY)  
**FLOOR PLAN**  
 SCALE 1: 120M

(BSC LABORATORY)  
**ROOF PLAN**  
 SCALE 1: 120M

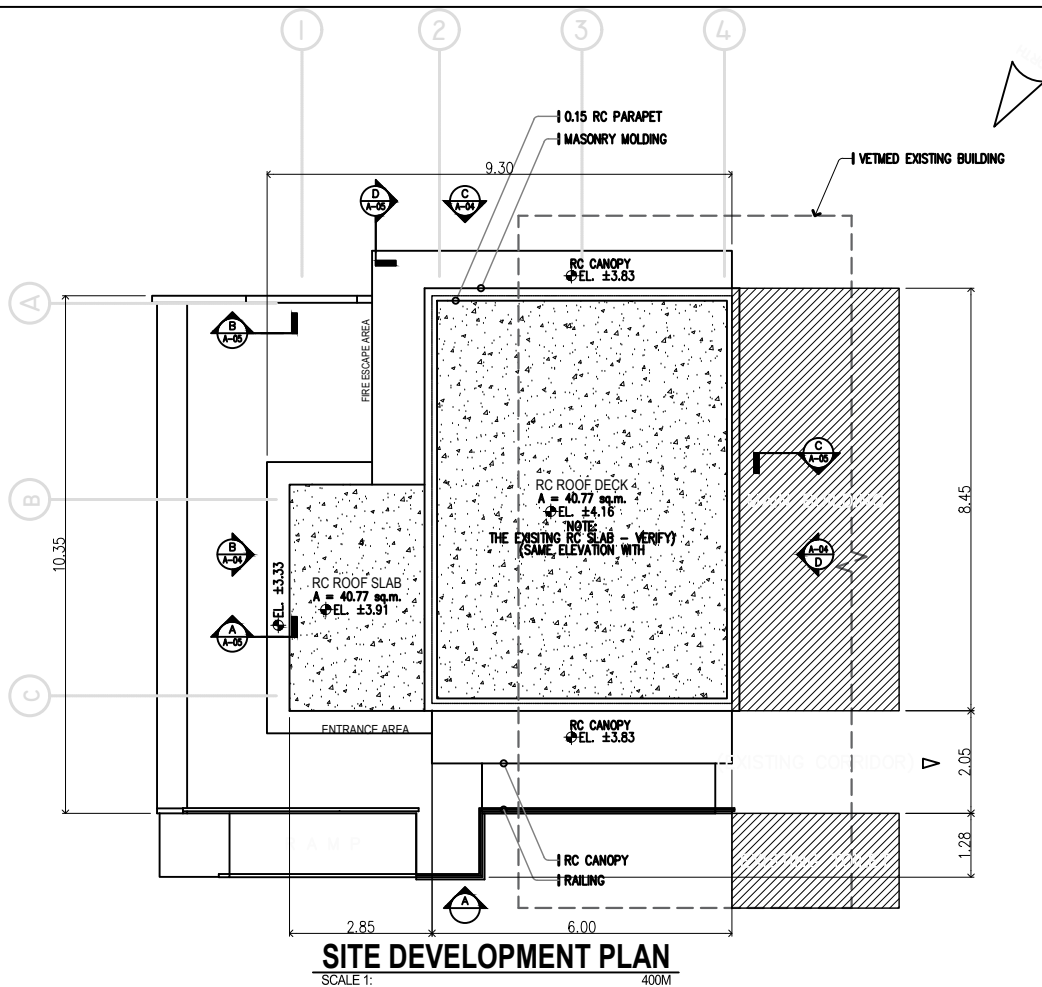
TIN : 930-953-275	Design & Seal	Project Title :	Checked by :	Noted by :	Approved by :	<b>SHEET CONTENTS:</b>	Designed by : ELVON	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <span style="font-size: 24px; font-weight: bold;">A2</span>  <span style="font-size: 18px; font-weight: bold;">07</span> </div> <div style="text-align: center; margin-top: 5px;"> <span style="font-size: 12px;">SHEET NO.</span>  <span style="font-size: 24px; font-weight: bold;">02</span>  <span style="font-size: 18px; font-weight: bold;">14</span> </div>
PRC : 0018370	<b>ELVIN A. CABAÑERO</b> ARCHITECT II	<b>"PROPOSED"</b> <b>BOAR SEMEN</b> <b>CRYOPRESERVATION</b> <b>LABORATORY</b> LOCATION: PANGASUGAN, VSU-MAIN, BAYBAY CITY	<b>ENGR. MARCELO T. ABRERA, JR.</b> HEAD, PDM	<b>Dr. DANIEL LESLIE S. TAN</b> VP OF ADMINISTRATION & FINANCE	<b>Dr. EDGARDO E. TULIN</b> VSU PRESIDENT	<b>FLOOR PLAN</b>	CAD by : ELVON	
PTR : 3695759						Date Started : Oct. '21		
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PERSPECTIVE

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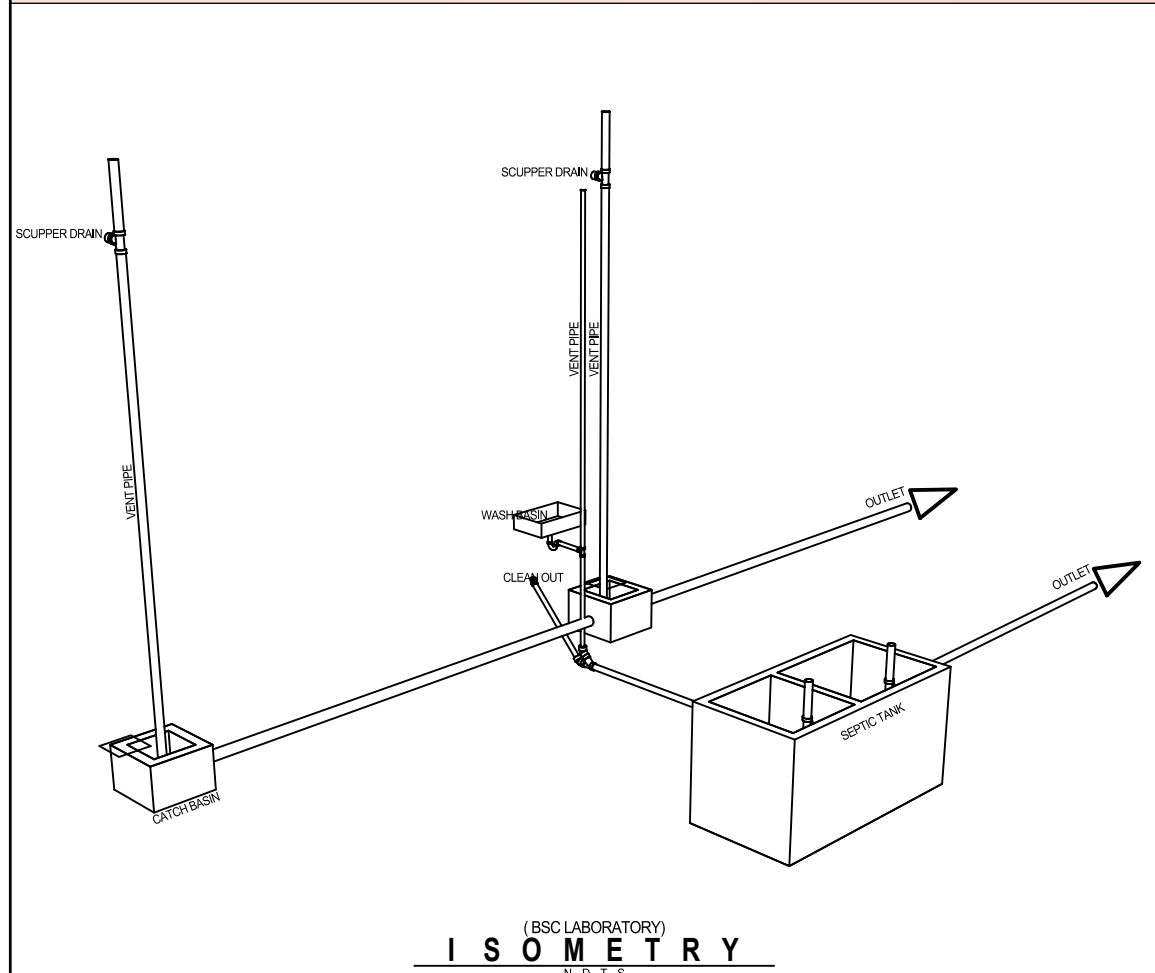
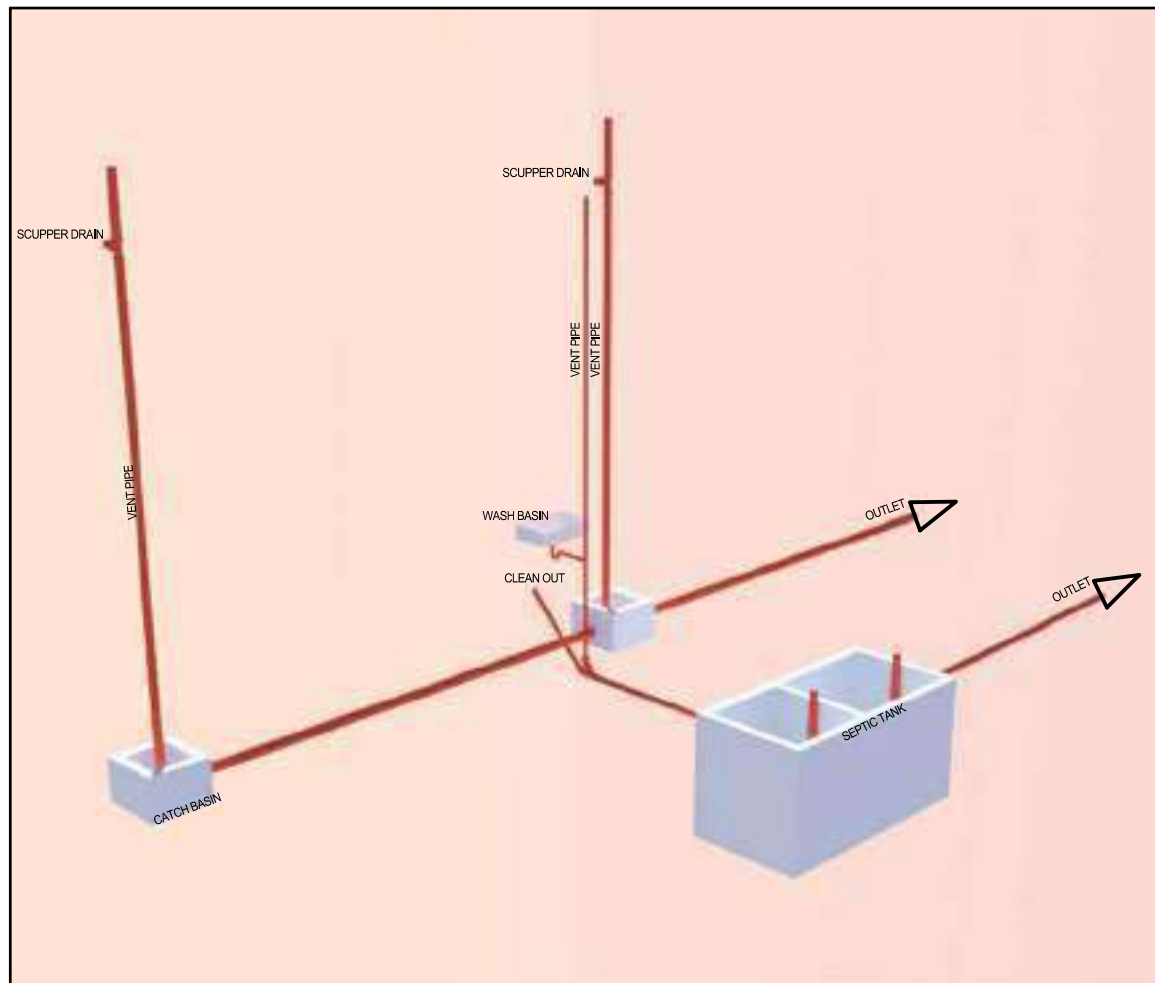


SITE DEVELOPMENT PLAN  
SCALE 1: 400M



LOCATION MAP  
SCALE 1: 125M

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PRC : 0018370	<b>ELVIN A. CABAÑERO</b> ARCHITECT II	<b>"PROPOSED"</b> <b>BOAR SEMEN</b> <b>CRYOPRESERVATION</b> <b>LABORATORY</b> LOCATION: PANGASUGAN, VSU-MAIN, BAYBAY CITY	<b>ENGR. MARCELO T. ABRERA, JR.</b> HEAD, IPDMM	<b>Dr. DANIEL LESLIE S. TAN</b> VP OF ADMINISTRATION & FINANCE	<b>Dr. EDGARDO E. TULIN</b> VSU PRESIDENT	PERSPECTIVE	CAD by : ELVON	
PTR : 3695759						Date Started : Oct. '21		
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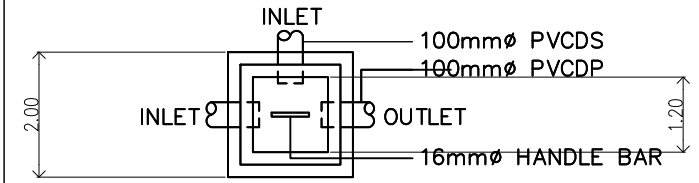
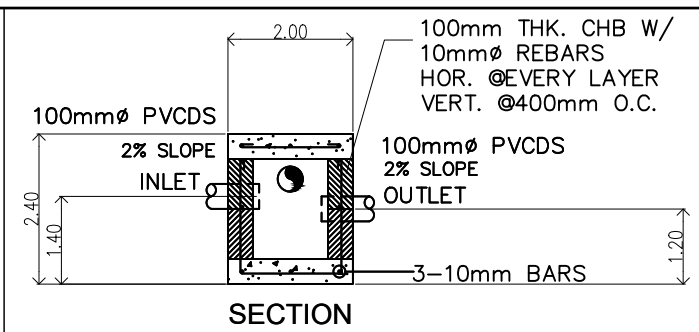
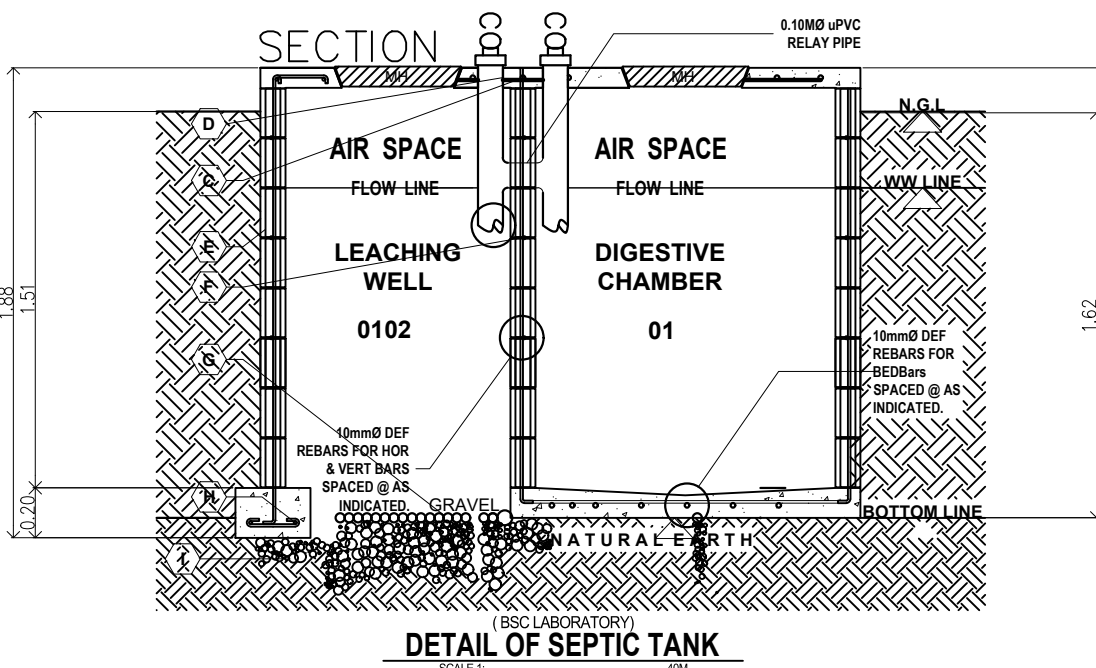
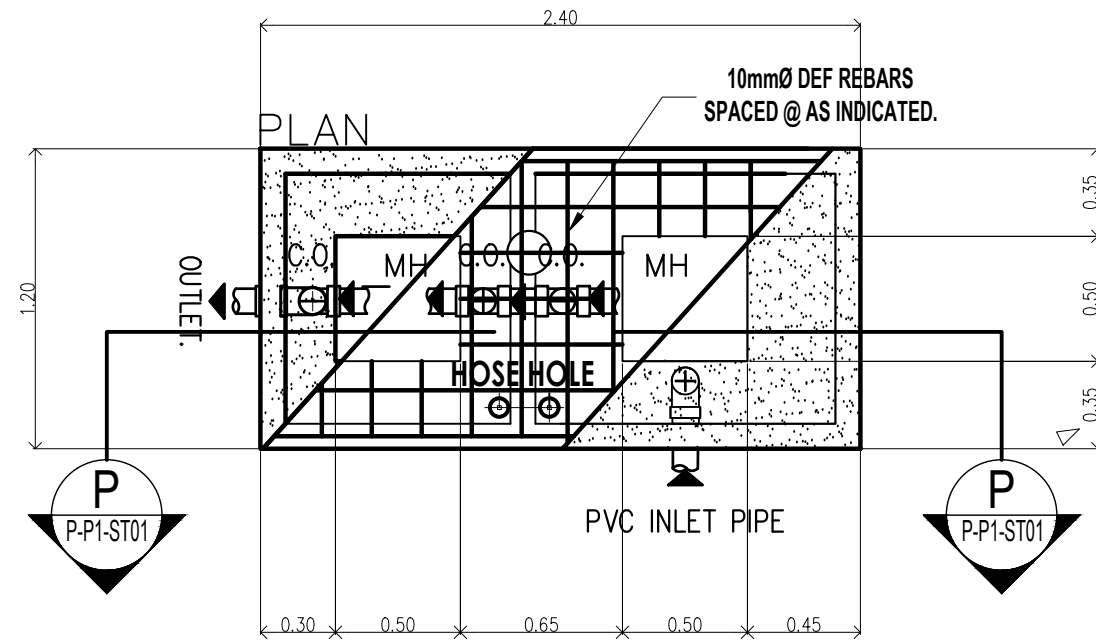


**INDEX - 01**

- 1 4" Ø NELTEX SANITARY PVC PIPE S. 1000
- 2 .10 M THK. REINFORCED CONCRETE PLASTERED CHB WALL W/ LIQUID TILE PAINT PREPARATION AND SUN & RAIN PAINT FINISH.
- 3 2" Ø NELTEX SANITARY PVC PIPE S. 1000
- 4 1.20 M. x 2.20 M. CONCRETE SEPTIC VAULT (SEE DET OF SEPTIC TANK)
- 5 ¾" Ø ATLANTA POLYETHYLENE PIPE ISO 4427, SDR 11

**INDEX - 02**

- A REINFORCED CHB ASSEMBLY
- B .10 M THK. REINFORCED CONCRETE SLAB
- C 10 MM Ø TEMPERATURE BARS SPACED AT .20 M.O.C
- D 4" Ø NELTEX SANITARY PVC PIPE S. 1000
- E 10 MM Ø VERTICAL BARS SPACED AT .50 M.O.C
- F 10 MM Ø HORIZONTAL BARS AT EVERY 3 LAYERS OF CHB



(BSC LABORATORY)  
**DETAIL OF CATCH BASIN**  
SCALE: 1/40M

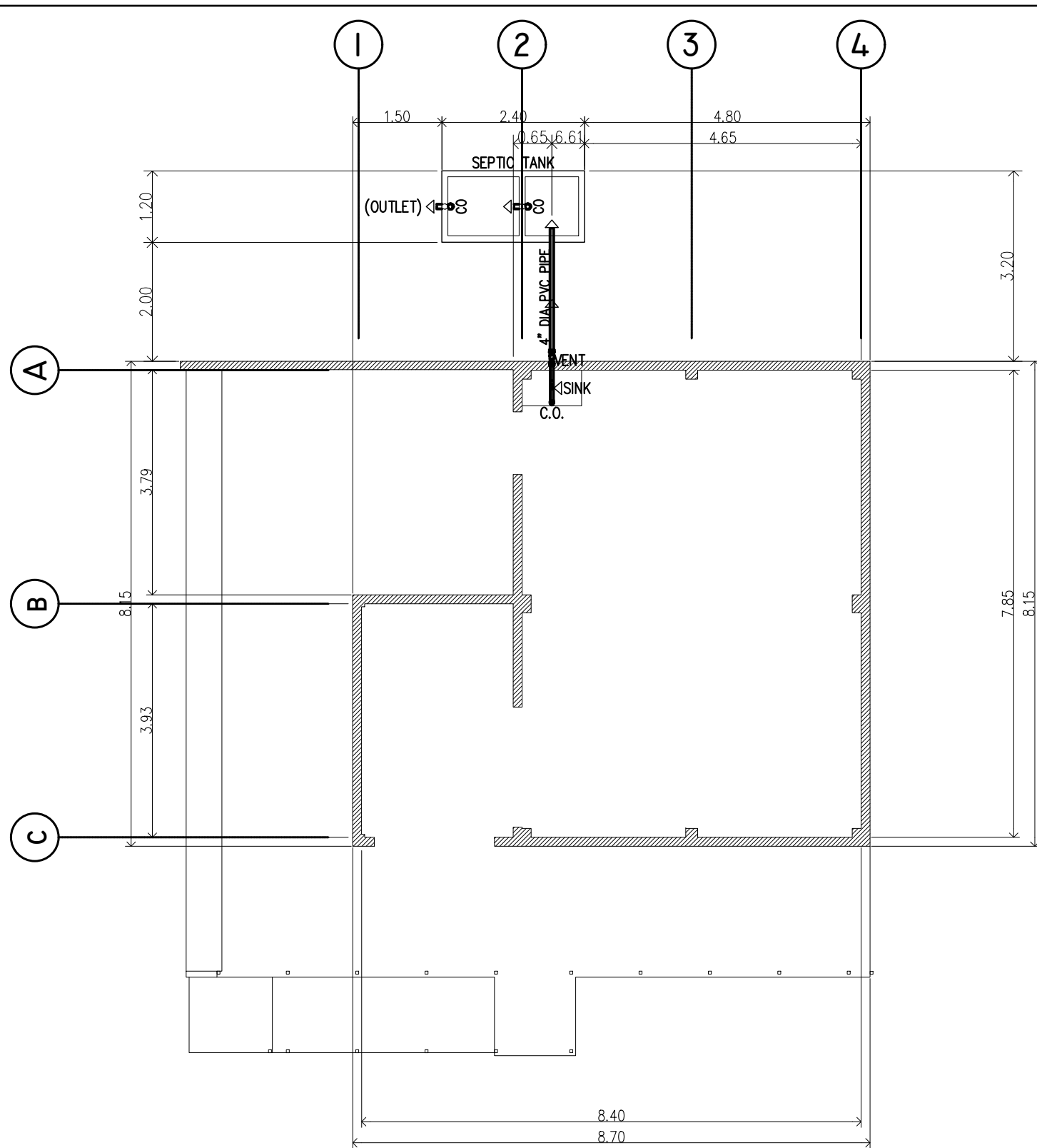
LEGEND:

ST	SEPTIC TANK
—	SEWER LINE
—	WATER SUPPLY LINE
—	MAIN SEWER LINE
CO	CLEAN OUT
CV	CHECK VALVE
WM	WATER METER
GV	GATE VALVE
VTR	VENT THRU ROOF
T & B	TOILET & BATH
F	FAUCET
WC	WATER CLOSET
FD	FLOOR DRAIN
LAV	LAVATORY
KSK	KITCHEN SINK

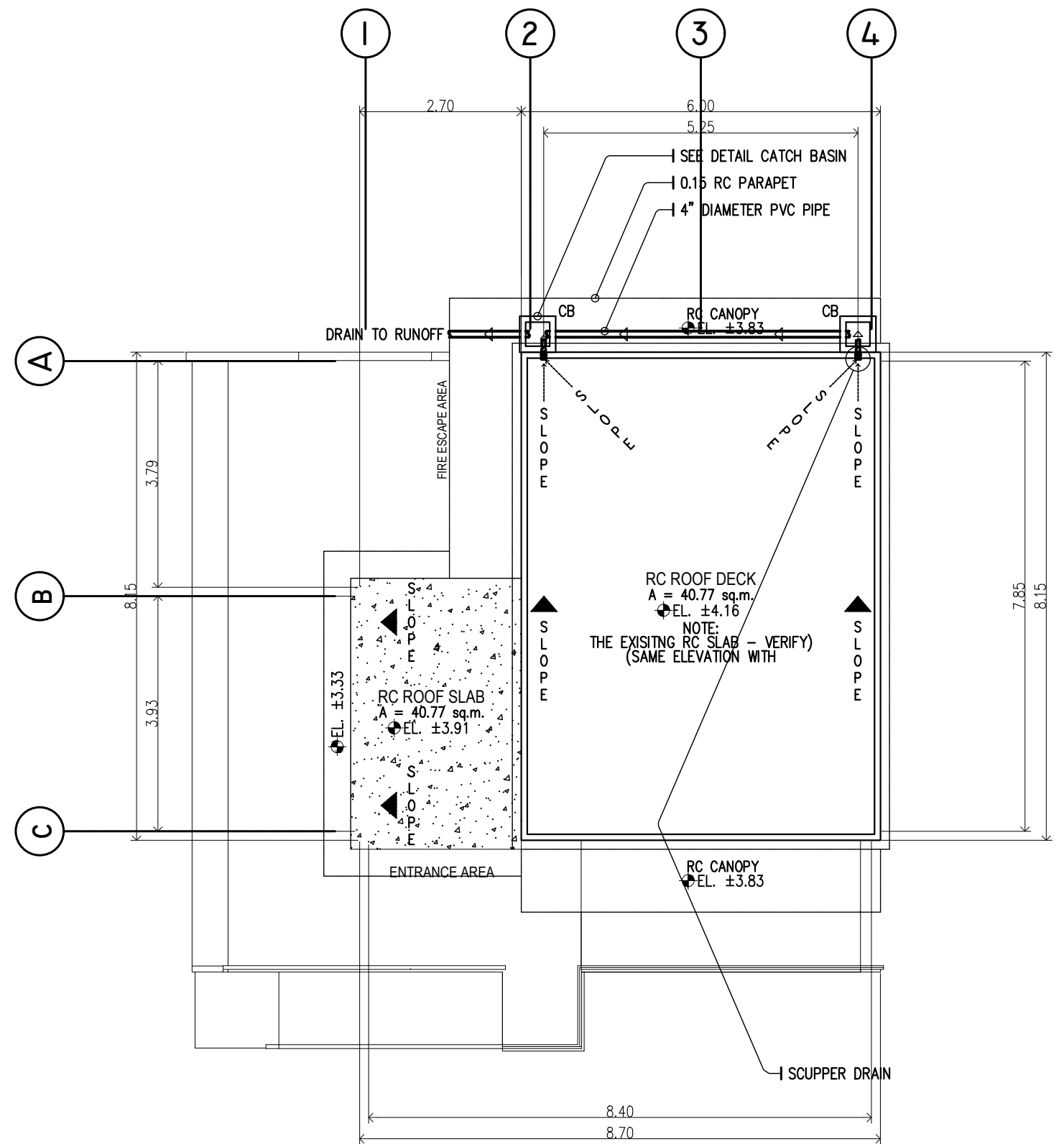
**GENERAL NOTES:**

ALL HORIZONTAL PIPINGS IN PERFECT ALIGNMENT AND A UNIFORM GRADE OF NOT LESS THAN 2% .  
CHANGE IN DIRECT SHALL BE DONE BY APPROPRIATE USE OF 45° WYE LONG SWEEP QUARTER BENT 6 / 8 OR 6 / 10 BENDS WHEN CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL, A SINGLE 1 / 8 BEND COMBINATION MAY BE USED IN WASTE LINES, TEE AND CROSSES MAY BE USED IN VENT LINES.  
NO DOUBLE HUB OR DOUBLE TEE BRANCH SHALL BE USED ON HORIZONTAL SOIL OR WASTE LINES, THE DRILLING & TAPPING OF HOUSE, WASTE OR VENT PIPES AND USED OF SADDLE HUBS AND BEND ARE PROHIBITED .  
ALL PLUMBING WORKS SHOULD BE DONE IN ACCORDANCE WITH THE PROVISION OF THE NATIONAL PLUMBING CODE THE REQUIREMENTS OF THE LOCAL PLUMBING INSPECTION OFFICE, PERTINENT PROVISIONS OF THE EXISTING LOCAL BUILDING C O D E .  
CLEAN-OUTS ARE REQUIRED UNDER THE FOLLOWING C O N D I T I O N S :  
a. EVERY CHANGE IN HORIZONTAL DIRECTION EXCEEDING 22.5°  
b. 1.5M INSIDE PROPERTY LINE BEFORE THE HOUSE DRAINAGE.  
c. EVERY 15MTS. IN HORIZONTAL RUN OF PIPE.  
d. AT ANY END OF ANY HORIZONTAL PIP LINE.  
THE DIGESTIVE CHAMBER OF ANY SEPTIC VAULT MUST BE WATER PROOFED .  
NOT LEES THAN .30 MTS OF AIR SPACE MUST BE LEFT BETWEEN THE TOP OF THE SEWAGE AND BOTTOM OF THE SEPTIC VAULT C O V E R .  
ALL PLUMBING WORKS SHALL BE DONE BY A LICENSED MASTER PLUMBER OR SANITARY ENGINEER AND LICENSED PLUMBING C O N T R A C T O R .

TIN :-	Design & Seal	Project Title :	Checked by :	Noted by :	Approved by :	SHEET CONTENTS:	Designed by : ELVON
PRC :-	MARCELO T. ABRERA, JR. REG. MASTER PLUMBER	"PROPOSED" BOAR SEMEN CRYOPRESERVATION LABORATORY LOCATION: PANGASUGAN, VSU-MAIN, BAYBAY CITY	ENGR. MARCELO T. ABRERA, JR. HEAD, PDM	Dr. DANIEL LESLIE S. TAN VP OF ADMINISTRATION & FINANCE	Dr. EDGARDO E. TULIN VSU PRESIDENT	ISOMETRY DETAIL OF SEPTIC TANK DETAIL OF CATCH BASIN LEGENDS GENERAL NOTES	CAD by : ELVON
PTR :-							Date Started : Oct. '21
Date :-							Date Finished : Dec. '21
PL. ISS. :-							Revision : 2.10



(BSC LABORATORY)  
**WASTE WATER LINE LAYOUT**  
 SCALE: 1:120M



(BSC LABORATORY)  
**ROOF DECK DRAIN PLAN**  
 SCALE: 1:120M

SEE DETAIL OF:  
 A SCHEDULE OF RC COLUMNS & FOOTINGS  
 B STRUCTURAL DETAIL OF ARCH-01 & 02

TIN :-	Design & Seal	Project Title :	Checked by :	Noted by :	Approved by :	<b>SHEET CONTENTS:</b> WASTE WATER LINE LAYOUT ROOF DECK DRAIN PLAN  Designed by : ELVON CAD by : ELVON Date Started : Oct. '21 Date Finished : Dec. '21 Revision : 2.10	P1 02 SHEET NO. 13 14
PRC :-	<b>MARCELO T. ABRERA, JR.</b> REG. MASTER PLUMBER	<b>"PROPOSED"</b> <b>BOAR SEMEN</b> <b>CRYOPRESERVATION</b> <b>LABORATORY</b> LOCATION: PANGASUGAN, VSU-MAIN, BAYBAY CITY	<b>ENGR. MARCELO T. ABRERA, JR.</b> HEAD, PDMM	<b>Dr. DANIEL LESLIE S. TAN</b> VP OF ADMINISTRATION & FINANCE	<b>Dr. EDGARDO E. TULIN</b> VSU PRESIDENT		
PTR :-							
Date :-							
PL. ISS. :-							



CIRCUIT NO.	LOAD DESCRIPTION	QUANTITY	VOLTAGE	PHASE	KVA	POWER (Watts)	TOTAL POWER (Watts)	TOTAL CURRENT (AMPERES)				BRANCH CIRCUIT PROTECTION	WIRE AND CONDUIT SIZE
								AB	CA	BC	ABC		
1	LIGHT FIXTURE	13	230	1	10	15	195	0.8478				15AT, 2P-MCCB	2-2.0mmsq THHN+1-2.0mmsq TW(G) in 20mm dia PVC conduit
2	LIGHT FIXTURE	10	230	1	10	15	150	0.6522				15AT, 2P-MCCB	2-3.5mmsq THHN+1-2.0mmsq TW(G) in 20mm dia PVC conduit
3	CONVENIENCE OUTLET	5	230	1	10	180	900			3.913		20AT, 2P-MCCB	2-3.5mmsq THHN+1-2.0mmsq TW(G) in 20mm dia PVC conduit
4	WEATHERPROOF OUTLET	3	230	1	10	180	540	2.1478				20AT, 2P-MCCB	2-3.5mmsq THHN+1-2.0mmsq TW(G) in 20mm dia PVC conduit
5	CONVENIENCE OUTLET	3	230	1	10	15	45	0.1957				30AT, 2P-MCCB	2-5.5mmsq THHN+1-3.5mmsq TW(G) in 20mm dia PVC conduit
6	SPECIAL OUTLET	1	230	1	10	1200	1200	5.2174				30AT, 2P-MCCB	2-5.5mmsq THHN+1-3.5mmsq TW(G) in 20mm dia PVC conduit
7	SPECIAL OUTLET	1	230	1	10	3000	3000			13.043		30AT, 2P-MCCB	2-5.5mmsq THHN+1-3.5mmsq TW(G) in 20mm dia PVC conduit
8	CONVENIENCE OUTLET	6	230	1	10	180	1080	4.6957				30AT, 2P-MCCB	2-5.5mmsq THHN+1-3.5mmsq TW(G) in 20mm dia PVC conduit
9	ACU	1	230	1	10	2760	2760	12				30AT, 2P-MCCB	2-5.5mmsq THHN+1-3.5mmsq TW(G) in 20mm dia PVC conduit
10	ACU	1	230	1	10	2760	2760		12			30AT, 2P-MCCB	2-5.5mmsq THHN+1-3.5mmsq TW(G) in 20mm dia PVC conduit
11	SPARE	1	230	1	10	-	-					30AT, 2P-MCCB	2-5.5mmsq THHN+1-3.5mmsq TW(G) in 20mm dia PVC conduit
12	SPARE	1	230	1	10	-	-					30AT, 2P-MCCB	2-5.5mmsq THHN+1-3.5mmsq TW(G) in 20mm dia PVC conduit
TOTAL							12030	19.891	19.065	16.957	0		
MAINS												70AT, 3P, 10KVA, MCCB	3-14mmsq THHN/THWN+1-8.0mmsq TW(G) in 32mm dia PVC

SAFETY LIMITATION @ 80% DEMAND FACTOR

TOTAL CURRENT = (19.891 x 1.732 x 0.8) = 27.4 AMPERES  
TOTAL CURRENT = 30.56 AMPERES

SERVICE PROTECTION  
15K, 70AT, 3P, 10KVA, @ 240 VOLTS MCCB

USE 3-14mmsq THHN/THWN + 1-8.0mmsq TW(G) stranded copper wire in 32mm diameter PVC pipe

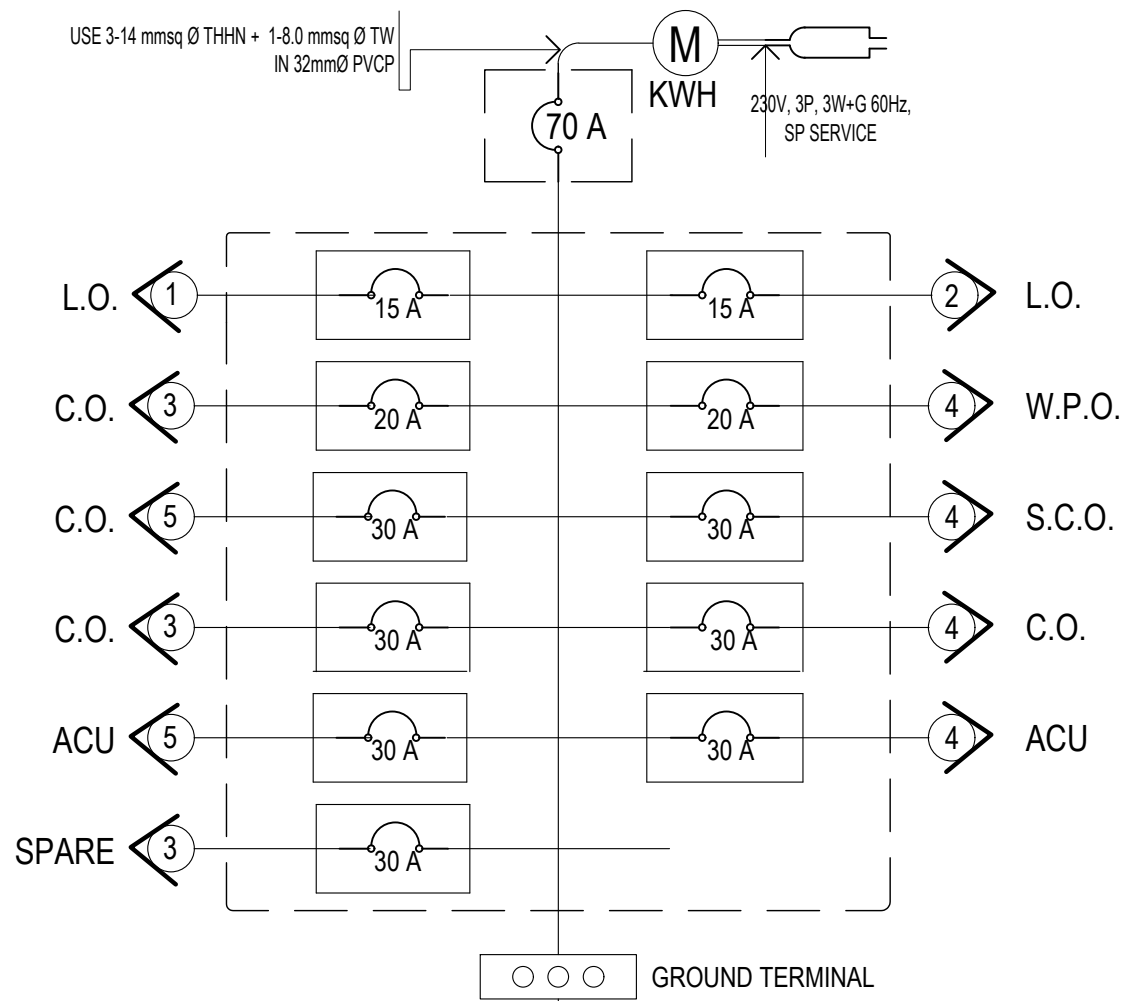
GENERAL NOTES:

- ALL ELECTRICAL WORKS AND INSTALLATIONS SHALL COMPLY WITH THE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE WITH THE RULES & REGULATIONS OF THE NATIONAL & LOCAL AUTHORITIES CONCERNED IN IN THE ENFORCEMENT OF ELECTRICAL LAWS & REGULATIONS OF THE UTILITY COMPANIES C O N C E R N E D .
- ALL WIRINGS SHALL BE INSTALLED IN STANDARD PVC OR RSC CONDUITS RUN EMBEDDED IN CONCRETE HOLLOW BLOCK STRUCTURE, COLUMNS, WALL PARTITIONS AND/OR RUN CONCEALED BETWEEN DOUBLE WOODEN PARTITIONS AND THE INSIDE CEILING SPACES WHERE THE USE OF CONCEALED CONDUIT WIRING IS IMPRACTICABLE SURFACE METAL M O U L D I N G S H O U L D B E U S E D .
- SERVICE VOLTAGE TO THE BUILDING SHALL BE 110 /220VOLT 60Hz, SINGLE PHASE.
- THE CONTRACTOR SHALL VERIFY AND ORIENT THE ACTUAL LOCATION OF THE CONCRETE TERMINAL POLE FOR CONNECTION TO THE POWER SUPPLY & TELEPHONE SERVICE.
- ALL INSTALLATION SHALL BE CONCEALED FROM VIEW, WIRING SHALL BE INCASE IN POLYVINEL CHLORIDE (PVC) PIPE SCHEDULE 40 EXCEPT AND TELEPHONE SERVICE WHICH SHALL BE RIGID STEEL CONDUIT (RSC) OTHERWISE NOTED.
- PULL BOXES OF APPROPRIATE SIZE SHALL BE PROVIDED EVEN IF NOT INDICATED IN DRAWING TO ACCOMODATE THE NUMBER OF SPLICES OF WIRES.
- WHEREVER REQUIRED OR NECESSARY, PULL BOXES OR JUNCTION BOXES OF PROPER SIZES SHALL BE INSTALLED AT CONVENIENT AND INCONSPICIOUS LOCATIONS SUCH BOXES ARE NOT SHOWN IN THE PLAN NOR MENTIONED IN THE SPECIFICATIONS.
- MINIMUM WIRE AND CONDUIT SHALL BE NO.12 AWG TYPE TW AND 1 1/2" Ø PVC TRADE SIZE, RESPECTIVELY UNLESS OTHERWISE SPECIFIED.
- ALL FLOURESCENT LAMPS SHALL BE PROVIDED WITH POLYESTER FILLED PRE-HEAT THERMALLY PROTECTED, HIGH BALLAST.
- ALL MATERIALS TO BE USED SHALL BE NEW & APPROVED TYPE APPROPRIATE FOR BOTH LOCATION AND INTENDED USE.
- LIGHT CONTROL SWITCHES SHALL BE RATED 10 AMPS, 300 WATTS AND SHALL NOT CARRY A LOAD GREATER THAN 50 AMPS.
- DUPLEX RECEPTACLE SHALL BE RATED 10 AMPS, 250 WATTS A ROUNDED SLOTS FOR 220 VOLTS AND FOR PARALLEL FOR 110 VOLTS AND SPECIAL OUTLETS SHALL BE RATED 15 AMPS OR 250 WATTS AS REQUIRED.
- FOR EACH SPARE CIRCUIT PANEL BOARD PROVIDED EMPTY 3/4" Ø RISER TERMINATING IN A 2-1/8" DEEP BY 4" OCTAGONAL BOX ABOVE CEILING.
- ELECTRICAL INSTALLATIONS SHALL BE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER OR REGISTERED MASTER ELECTRICIAN.
- OUTLET BOXES SHALL BE AS FOLLOWS:  
LIGHT OUTLETS 1-1/2" DEEP, 4" OCTAGONAL BOX OR 2 WAY ENTRIES.  
2-3/8" DEEP, 4" OCTAGONAL BOX  
3 OR 4 WAY ENTRIES.  
RANGE OUTLET 2-3/8" DEEP, 4-1/8" SQUARE BOX WITH 1- GANG RAISED PLASTIC COVER.
- NO REVISION IN THE DESIGN WITHOUT THE KNOWLEDGE AND APPROVAL OF THE DESIGNER AND THE OWNER, ANY SUCH REVISION DONE WITHOUT APPROVAL SHALL CAUSE RESPONSIBILITY OF THE DESIGNER TO CEASE AS A WHOLE.

OUTLET BOXES SHALL BE AS FOLLOWS:

- OUTLET BOXES SHALL BE AS FOLLOWS:  
LIGHT OUTLETS 1-1/2" DEEP, 4" OCTAGONAL BOX OR 2 WAY ENTRIES.  
2-3/8" DEEP, 4" OCTAGONAL BOX  
3 OR 4 WAY ENTRIES.  
RANGE OUTLET 2-3/8" DEEP, 4-1/8" SQUARE BOX WITH 1- GANG RAISED PLASTIC COVER.

LEGEND	
○	CEILING MOUNTED LIGHT FITTING
○	WALL MOUNTED LIGHT FITTING
⊞	FLOOD LIGHT
⊞	FLOURESCENT SINGLE TUBE LIGHT FITTING
⊞	FLOURESCENT DOUBLE TUBE LIGHT FITTING
•	ONE WAY LIGHT SWITCH (N DENOTES NO. OF GANG)
•	TWO WAY LIGHT SWITCH
⊞	WATER HEATER
⊞	20A DOUBLE POLE SWITCH
⊞	FLEXIBLE CONNECTION OUTLET (20A)
⊞	FLEXIBLE CONNECTION OUTLET (45A)
⊞	13A SINGLE SWITCHED SOCKET OUTLET
⊞	30 A DOUBLE POLE SWITCH
⊞	13A TWIN SWITCHED SOCKET OUTLET
⊞	45A FLEX. CABLE CONNECTION OUTLET FOR COOKER
⊞	45A COOKER CONTROL UNIT
⊞	SPN ISOLATOR(A = CURRENT RATING)
⊞	5 AMP SPUR OUTLET
⊞	MCCB PANEL BOARD
⊞	DISTRIBUTION BOARD
⊞	EXHAUST FAN.
EL	EMERGENCY LIGHT
W	DENOTE WEATHER PROOF

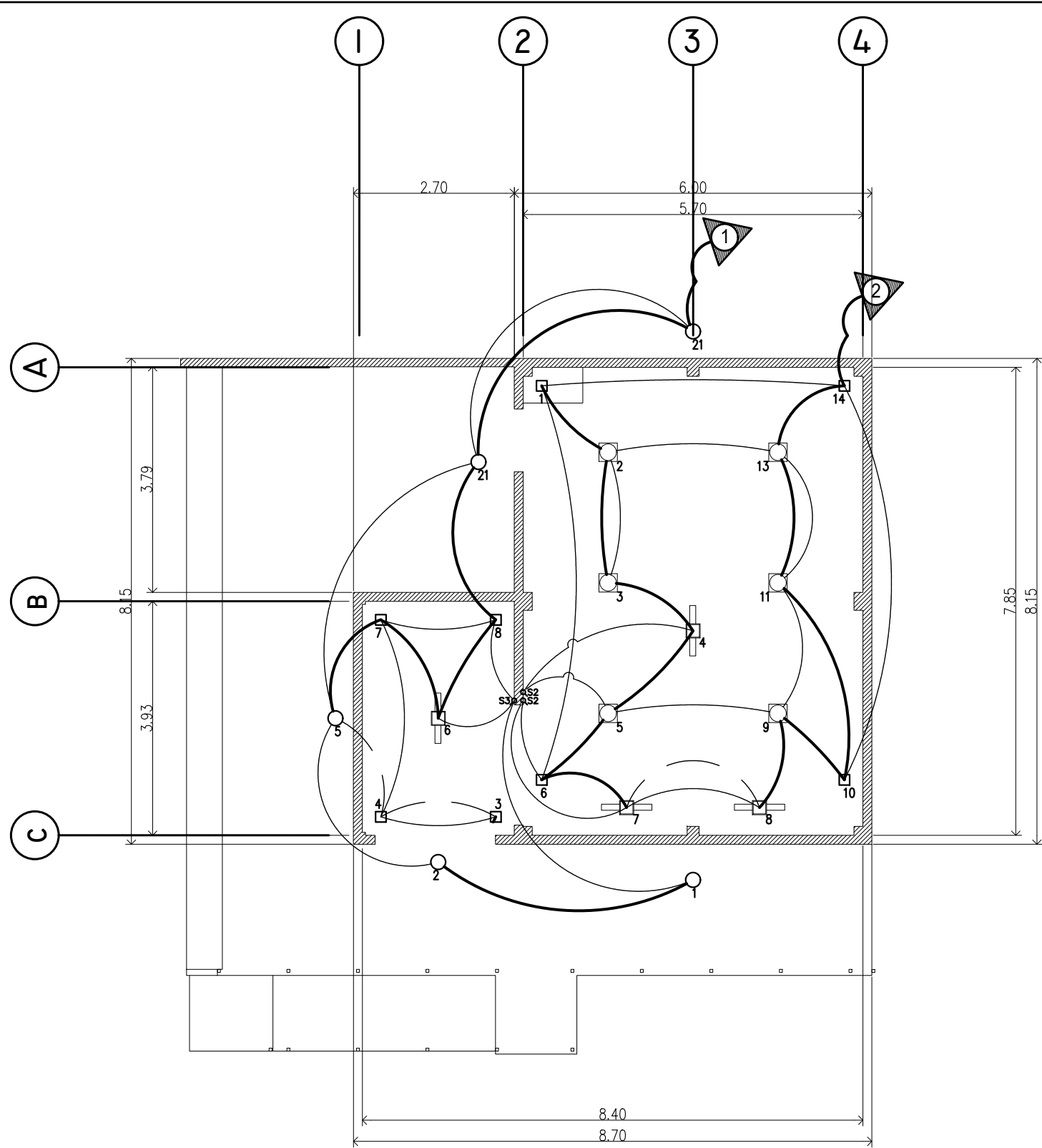


SINGLE LINE DIAGRAM

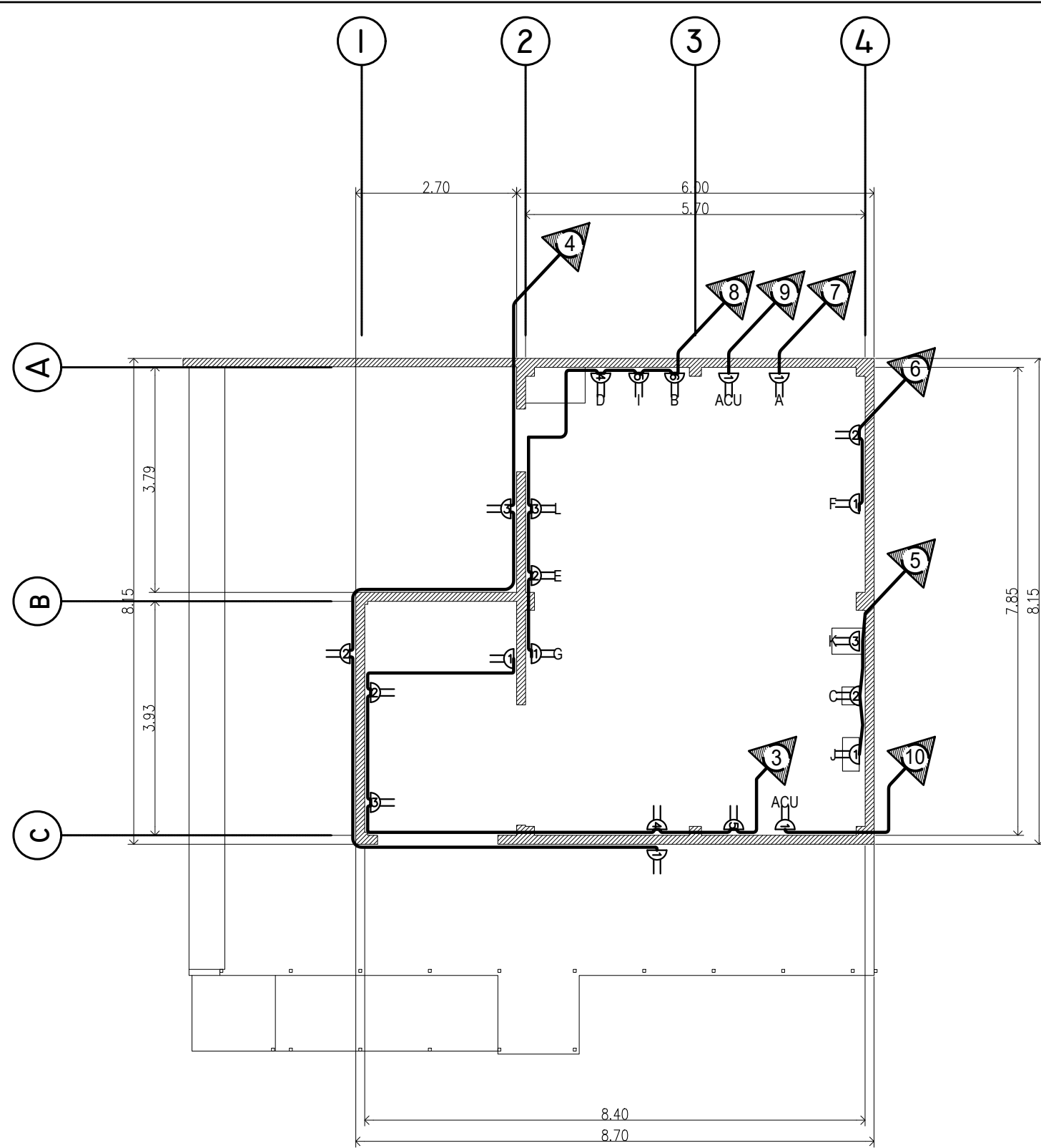
LEGEND:

⊞	CIRCUIT BREAKER	⊞	2-20 WATTS FLOURESCENT LAMP W/ LUMINAIRE CASING
⊞	CIRCUIT HOMERUN	⊞	LIGHTING OUTLET LINE
⊞	CONVENIENCE OUTLET	S1	SINGLE POLE SWITCH
⊞	CONVENIENCE OUTLET LINE	S2	DUPLEX SWITCH
⊞	DECORATIVE HANGING LAMP W/ 18 WATTS ENERGY SAVER LAMP	S3	3-GANG SWITCH
⊞	FLOURESCENT LAMP	⊞	MAIN KILOWATTHOUR METER
⊞	RECESSED TYPE L.E.D. LUMINARIES	⊞	PANEL BOX
		⊞	SWITCH LINE
		⊞	POWER SERVICE ENTRY

TIN : 382-717-370-000	Design & Seal	Project Title :	Checked by :	Noted by :	Approved by :	SHEET CONTENTS:	Designed by : ELVON	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <span style="font-size: 24px; font-weight: bold;">E2</span> <span style="font-size: 24px; font-weight: bold; margin-left: 10px;">02</span> </div>
PRC : 0068591	<b>ERIC E. SAJULGA</b> ELECTRICAL ENGINEER	<b>"PROPOSED"</b> <b>BOAR SEMEN</b> <b>CRYOPRESERVATION</b> <b>LABORATORY</b> LOCATION: PANGASUGAN, VSU-MAIN, BAYBAY CITY	<b>ENGR. MARCELO T. ABRERA, JR.</b> HEAD, PDM	<b>Dr. DANIEL LESLIE S. TAN</b> VP OF ADMINISTRATION & FINANCE	<b>Dr. EDGARDO E. TULIN</b> VSU PRESIDENT	ELECTRICAL SPECS	CAD by : ELVON	
PTR : -						Date Started : Oct. 21		
Date : -						Date Finished : Dec. 21		
PL. ISS. : -						Revision : 2.10		



(BSC LABORATORY)  
**LIGHTING LAYOUT**  
 SCALE 1: 120M

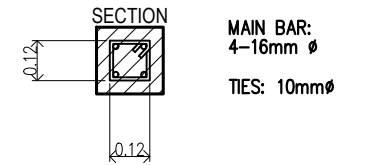
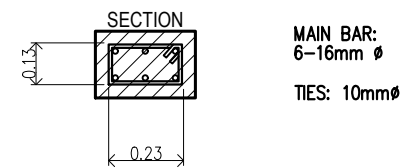
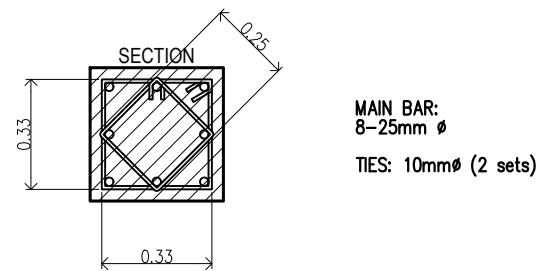
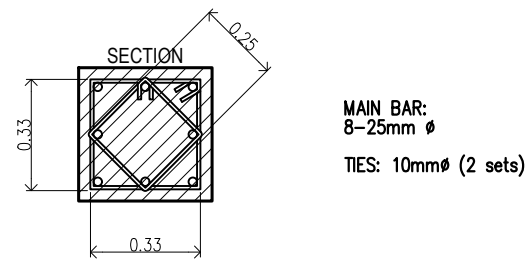
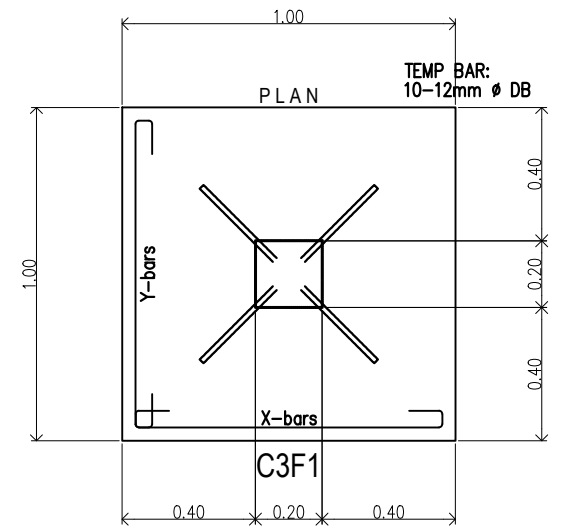
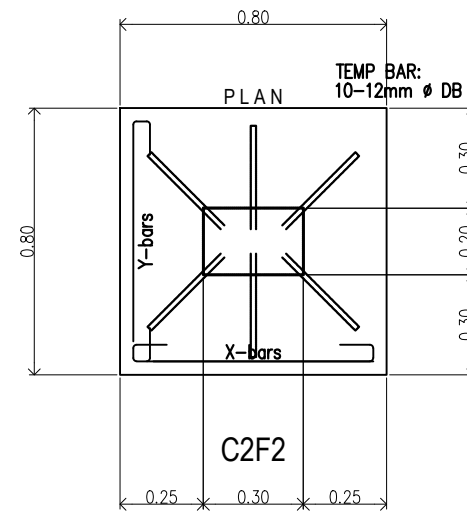
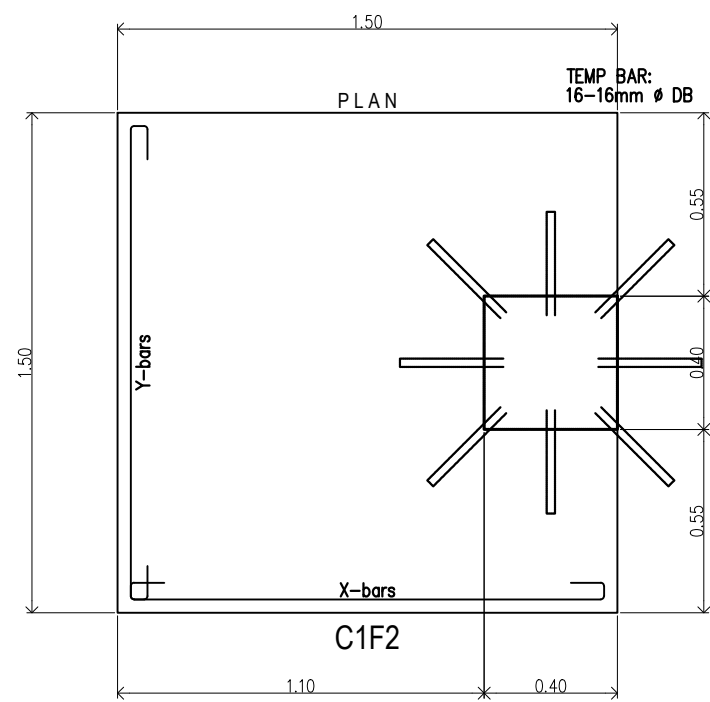
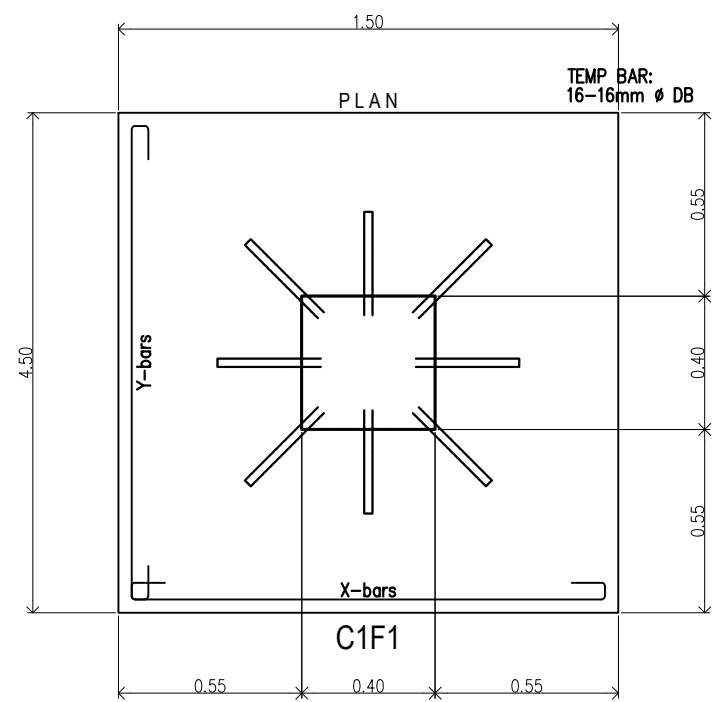


(BSC LABORATORY)  
**POWER LAYOUT**  
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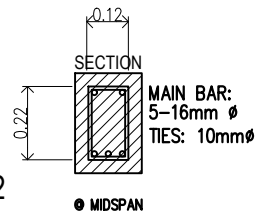
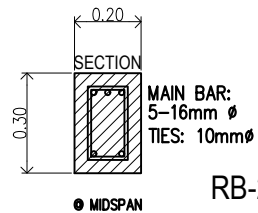
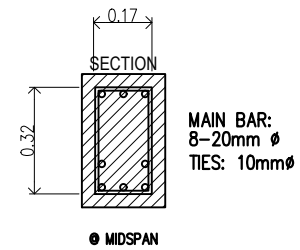
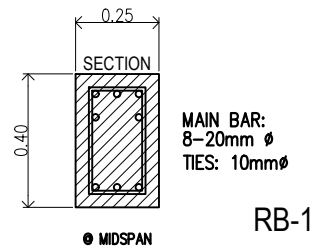
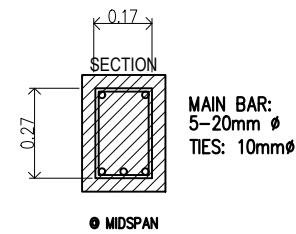
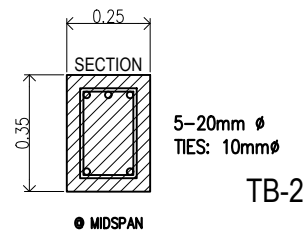
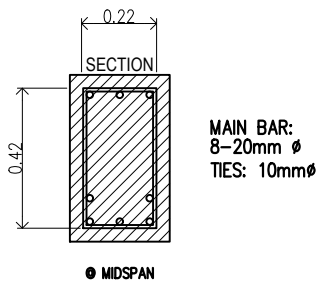
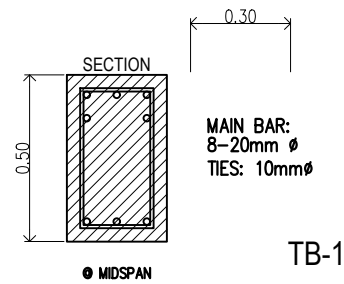
SEE DETAIL OF:  
 A SCHEDULE OF RC COLUMNS & FOOTINGS  
 B STRUCTURAL DETAIL OF ARCH-01 & 02

TIN : 382-717-370-000	Design & Seal	Project Title :	Checked by :	Noted by :	Approved by :	<b>SHEET CONTENTS:</b> <b>LIGHTING POWER LAYOUT</b>	Designed by : ELVON	<b>E1 02</b> SHEET NO. <b>11 14</b>
PRC : 0068591	<b>ERIC E. SAJULGA</b> ELECTRICAL ENGINEER	<b>"PROPOSED"</b> <b>BOAR SEMEN</b> <b>CRYOPRESERVATION</b> <b>LABORATORY</b> LOCATION: PANGASUGAN, VSU-MAIN, BAYBAY CITY	<b>ENGR. MARCELO T. ABRERA, JR.</b> HEAD, PDM	<b>Dr. DANIEL LESLIE S. TAN</b> VP OF ADMINISTRATION & FINANCE	<b>Dr. EDGARDO E. TULIN</b> VSU PRESIDENT		CAD by : ELVON	
PTR : -							Date Started : Oct. '21	
Date : -							Date Finished : Dec. '21	
PL. ISS. : -							Revision : 2.10	

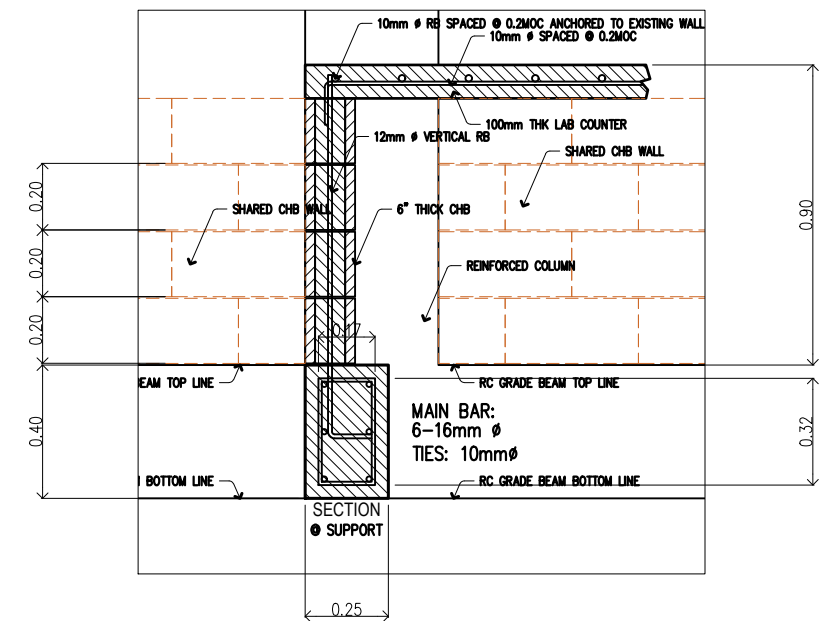




(BSC LABORATORY)  
**SCHEDULE OF RC COLUMNS & FOOTINGS**  
SCALE 1: 40M



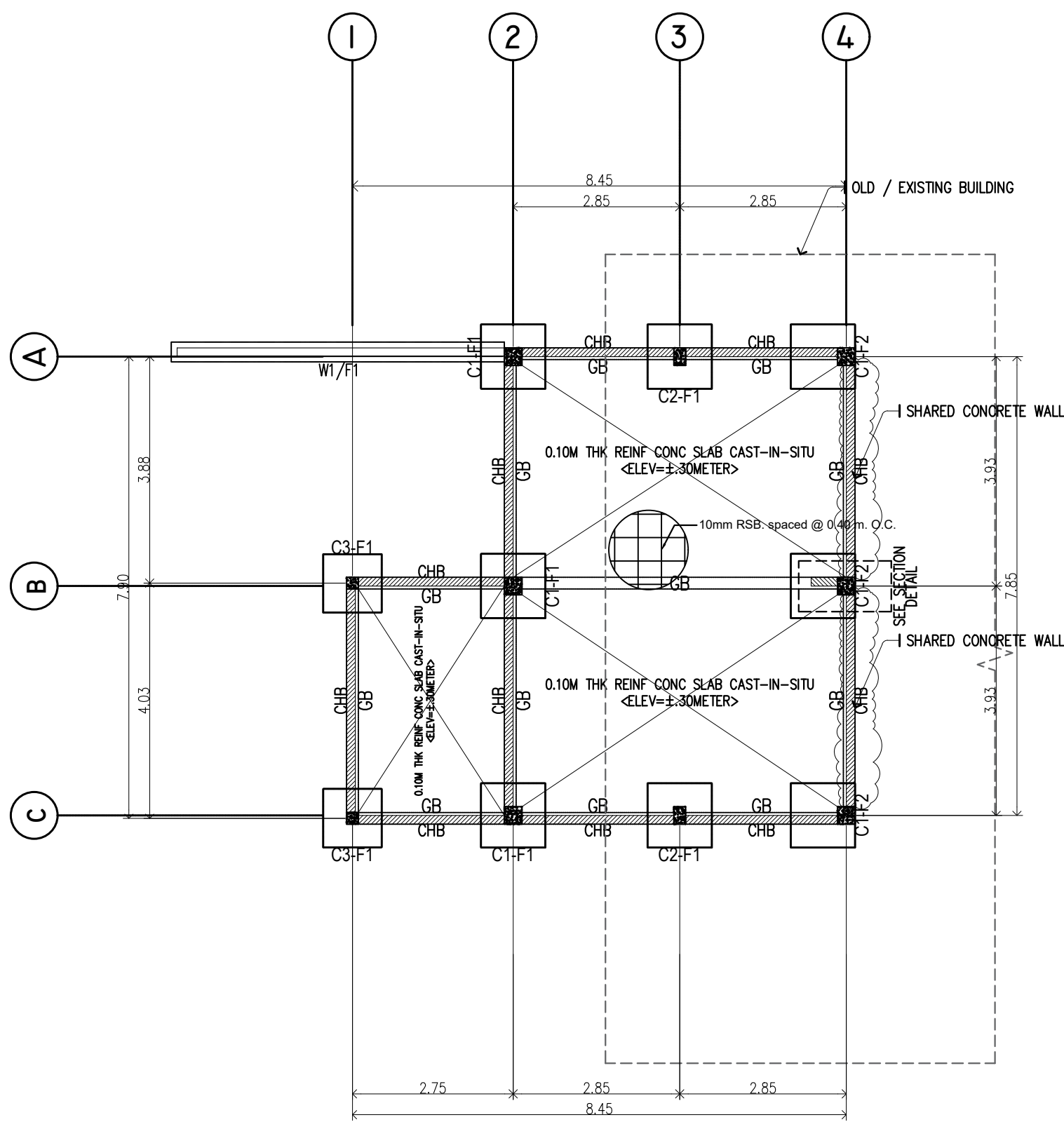
(BSC LABORATORY)  
**SCHEDULE OF RC BEAMS**  
SCALE 1: 30M



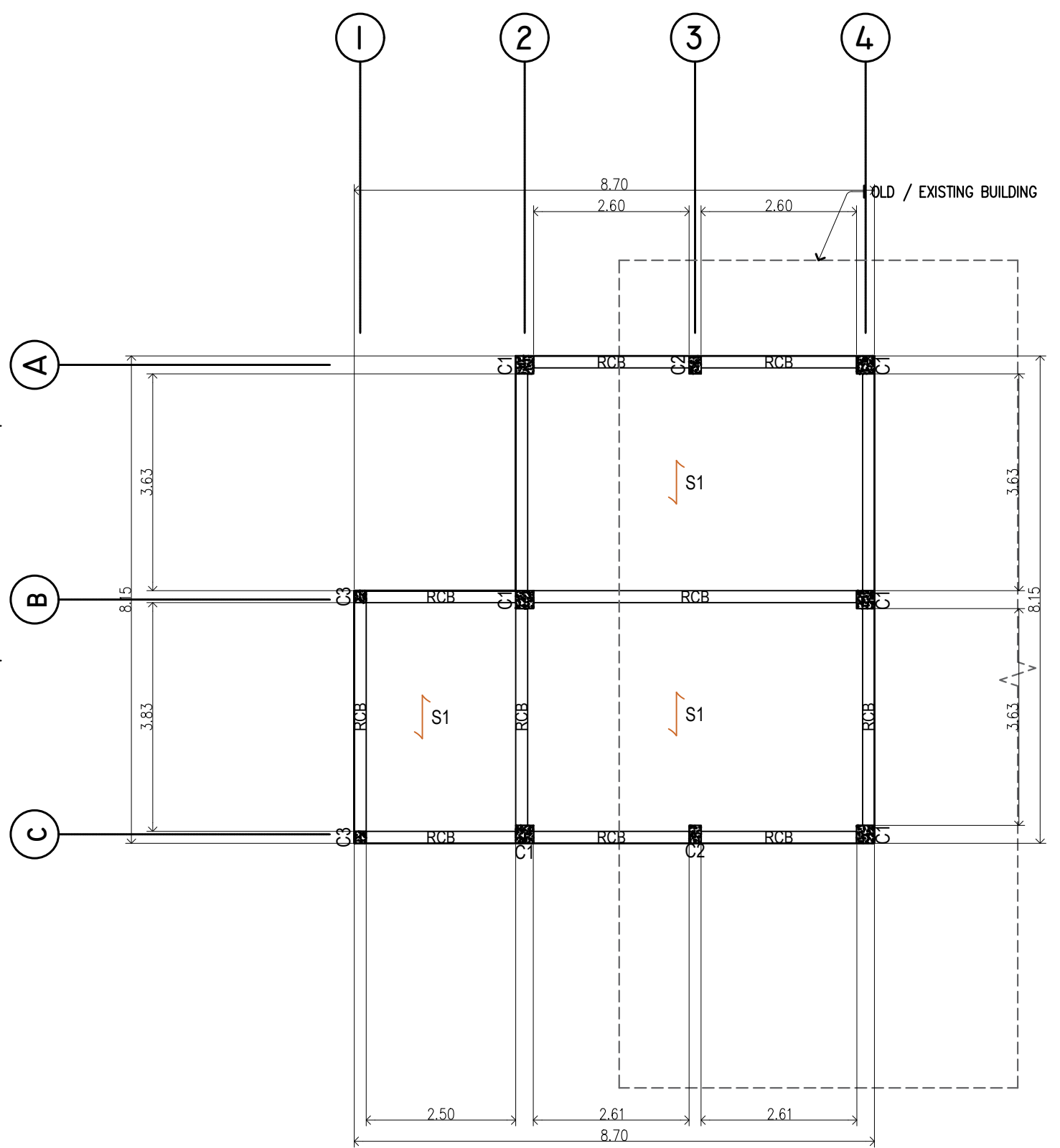
**DETAIL OF CHB - GB CONNECTION**  
SCALE 1: 3M

SEE DETAIL OF:  
A SCHEDULE OF RC COLUMNS & FOOTINGS  
B DETAILS OF RC BEAMS & SLAB

TIN : PRC : 0141581 PTR : 3695759 Date : 20 JANUARY 2021 PL. ISS. : MAASIN CITY	Design & Seal <b>JIEN APRIL B. JUALO</b> CIVIL ENGINEER II	Project Title : "PROPOSED" BOAR SEMEN CRYOPRESERVATION LABORATORY LOCATION: PANGASUGAN, VSU-MAIN, BAYBAY CITY	Checked by : <b>ENGR. MARCELO T. ABRERA, JR.</b> HEAD, PDM	Noted by : <b>Dr. DANIEL LESLIE S. TAN</b> VP OF ADMINISTRATION & FINANCE	Approved by : <b>Dr. EDGARDO E. TULIN</b> VSU PRESIDENT	SHEET CONTENTS: FOUNDATION PLAN RC ROOF BEAM PLAN	Designed by : ELVON CAD by : ELVON Date Started : Oct. '21 Date Finished : Dec. '21 Revision : 1.10	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <span style="font-size: 24px; font-weight: bold;">S2</span> <span style="font-size: 24px; font-weight: bold; margin-left: 10px;">03</span> </div> <p style="text-align: center; margin-top: 5px;">SHEET NO. <b>09 14</b></p>
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(BSC LABORATORY)  
**FOUNDATION PLAN**  
 SCALE 1: 120M

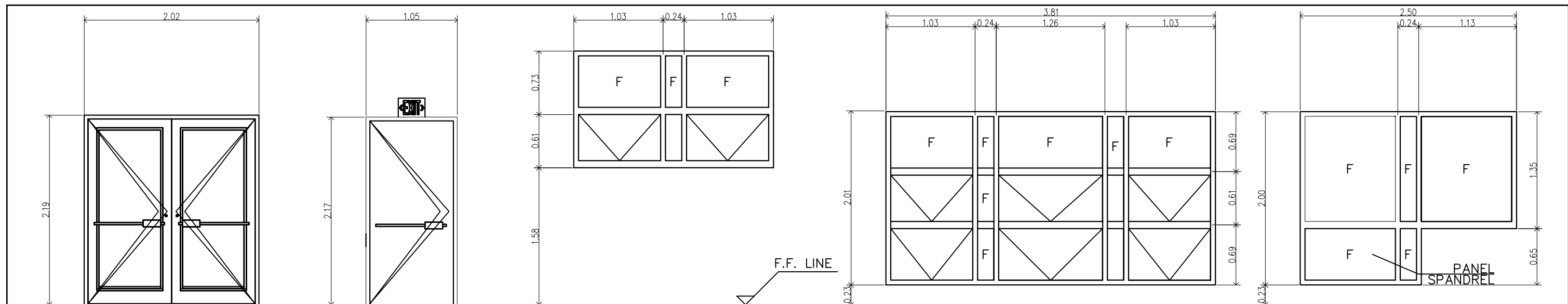


(BSC LABORATORY)  
**RC ROOF BEAM PLAN**  
 SCALE 1: 120M

SEE DETAIL OF:  
**A SCHEDULE OF RC COLUMNS & FOOTINGS**  
**B DETAILS OF RC BEAMS & SLAB**

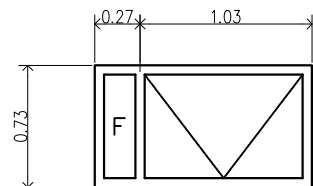
TIN : PRC : 0141581 PTR : 3695759 Date : 20 JANUARY 2021 PL. ISS. : MAASIN CITY	Design & Seal <b>JIEN APRIL B. JUALO</b> CIVIL ENGINEER II	Project Title : "PROPOSED" BOAR SEMEN CRYOPRESERVATION LABORATORY LOCATION: PANGASUGAN, VSU-MAIN, BAYBAY CITY	Checked by : <b>ENGR. MARCELO T. ABRERA, JR.</b> HEAD, PDDMM	Noted by : <b>Dr. DANIEL LESLIE S. TAN</b> VP OF ADMINISTRATION & FINANCE	Approved by : <b>Dr. EDGARDO E. TULIN</b> VSU PRESIDENT	SHEET CONTENTS: FOUNDATION PLAN RC ROOF BEAM PLAN	Designed by : ELVON CAD by : ELVON Date Started : Oct. '21 Date Finished : Dec. '21 Revision : 1.10	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <span style="font-size: 24px; font-weight: bold;">S1</span> </div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <span style="font-size: 24px; font-weight: bold;">08</span> </div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <span style="font-size: 24px; font-weight: bold;">14</span> </div>
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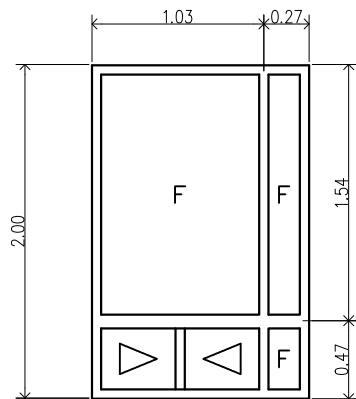
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POWDER COATED ALUMINIUM  
HINGED PANELS  
GLAZING TYPE (1/4" CLEAR)  
QTY : 2 UNITS



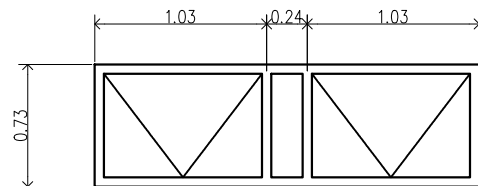
D  
2

METAL FIRE RATED EXIT DOOR  
HINGED PANELS  
PRE-PAINTED (FIRE CODE COMPLIANT)  
QTY : 1 UNIT



W  
1

POWDER COATED ALUMINIUM  
AWNING & FIXED PANELS  
GLAZING TYPE (1/4" CLEAR)  
QTY : 2 UNITS



W  
2

POWDER COATED ALUMINIUM  
AWNING PANELS & FIXED TRANSOMS  
GLAZING TYPE (1/4" CLEAR)  
QTY : 1 UNIT



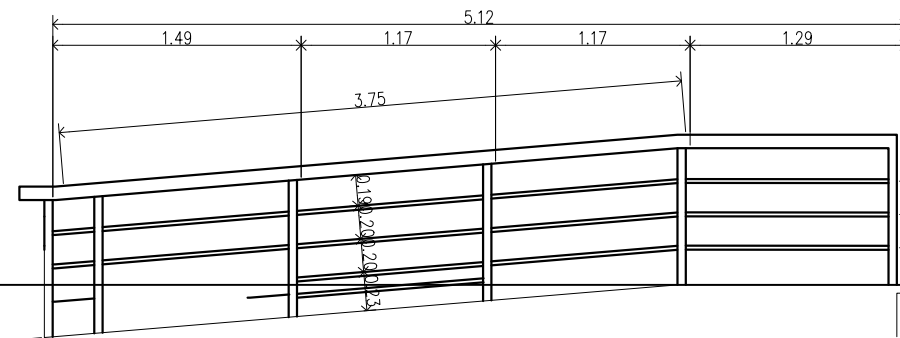
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POWDER COATED ALUMINIUM  
FIXED PANELS  
GLAZING TYPE (1/4" CLEAR)  
QTY : 1 UNIT



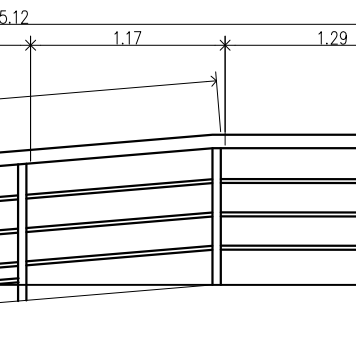
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AWNING & FIXED PANELS  
GLAZING TYPE (1/4" CLEAR)  
QTY : 1 UNIT



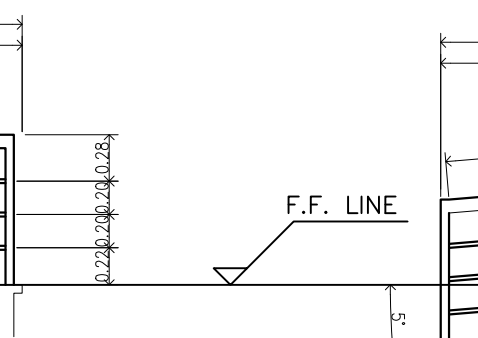
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SLIDING & FIXED PANELS  
GLAZING TYPE (1/4" CLEAR)  
QTY : 1 UNIT



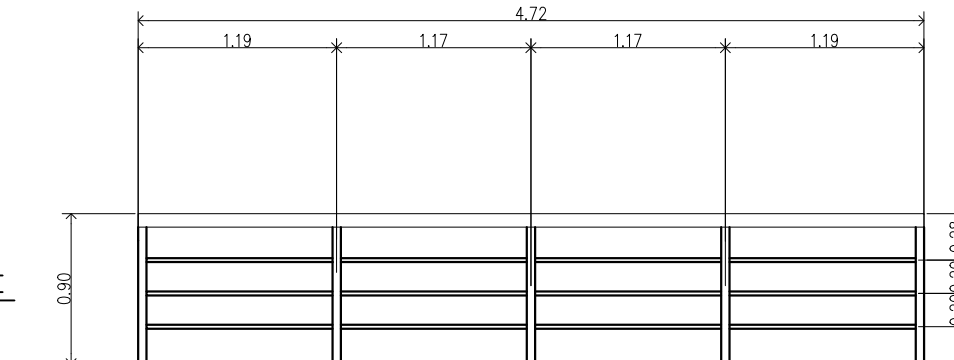
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POWDER COATED ALUMINIUM  
AWNING PANELS & FIXED PANEL  
GLAZING TYPE (1/4" CLEAR)  
QTY : 2 UNITS



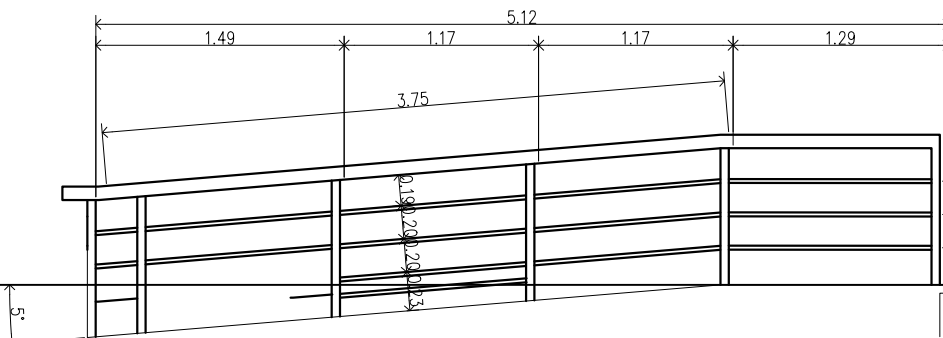
R  
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STEEL TUBULAR FRAME  
EPOXY ENAMEL PAINTED  
FIXED WITH S/S M12 ANCHOR BOLT ON FLOOR  
QTY : 1 UNIT



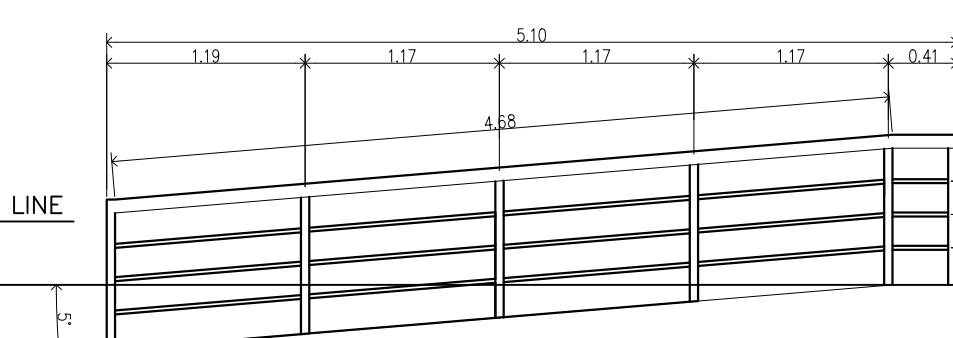
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STEEL TUBULAR FRAME  
EPOXY ENAMEL PAINTED  
FIXED WITH S/S M12 ANCHOR BOLT ON FLOOR  
QTY : 1 UNIT



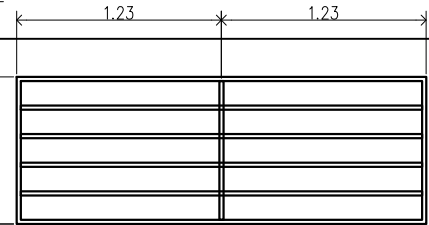
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STEEL TUBULAR FRAME  
EPOXY ENAMEL PAINTED  
FIXED WITH S/S M12 ANCHOR BOLT ON FLOOR  
QTY : 1 UNIT



G  
1

STEEL TUBULAR FRAME (B.I. 1" x 2")  
EPOXY ENAMEL PAINTED  
FIXED WITH S/S M12 ANCHOR BOLT ON WALL  
QTY : 2 UNITS

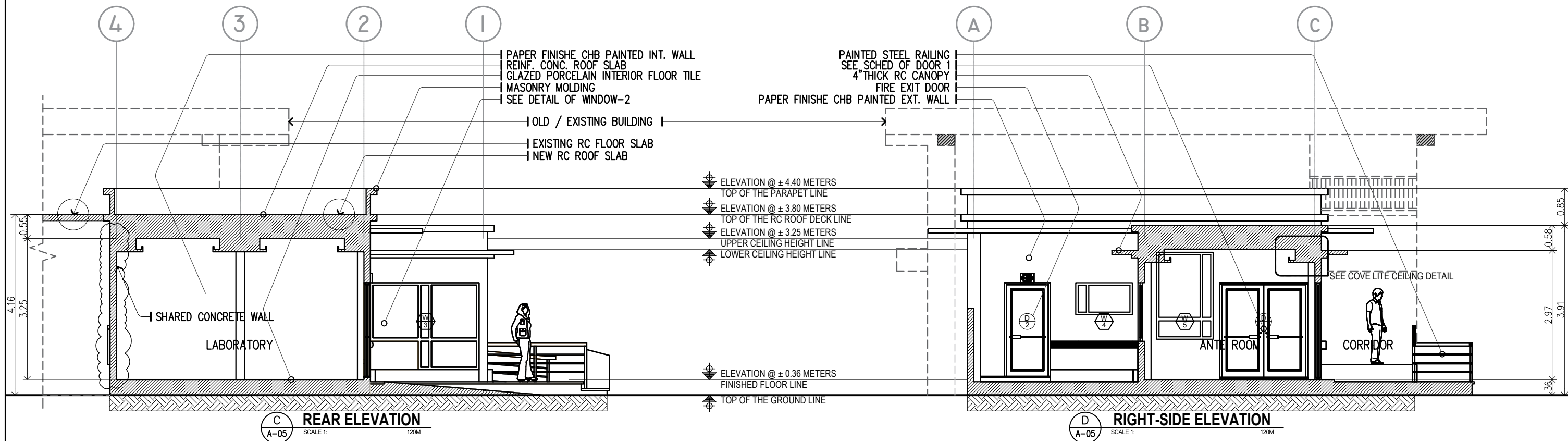
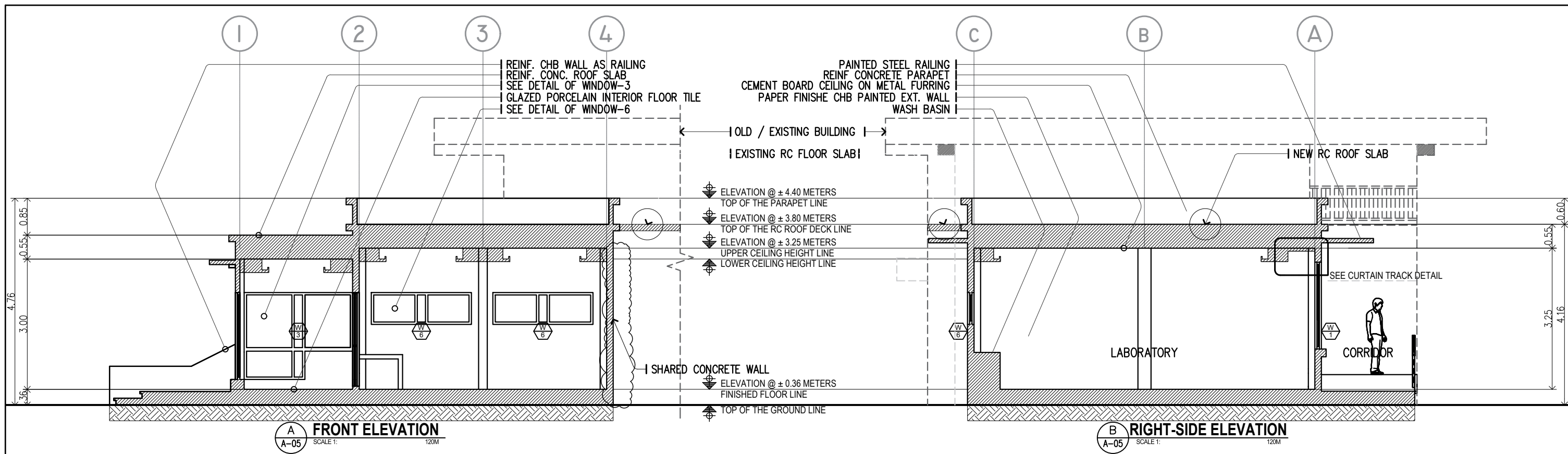


**SCHEDULE OF DOORS, WINDOWS & RAILINGS**

SCALE: 1:120M

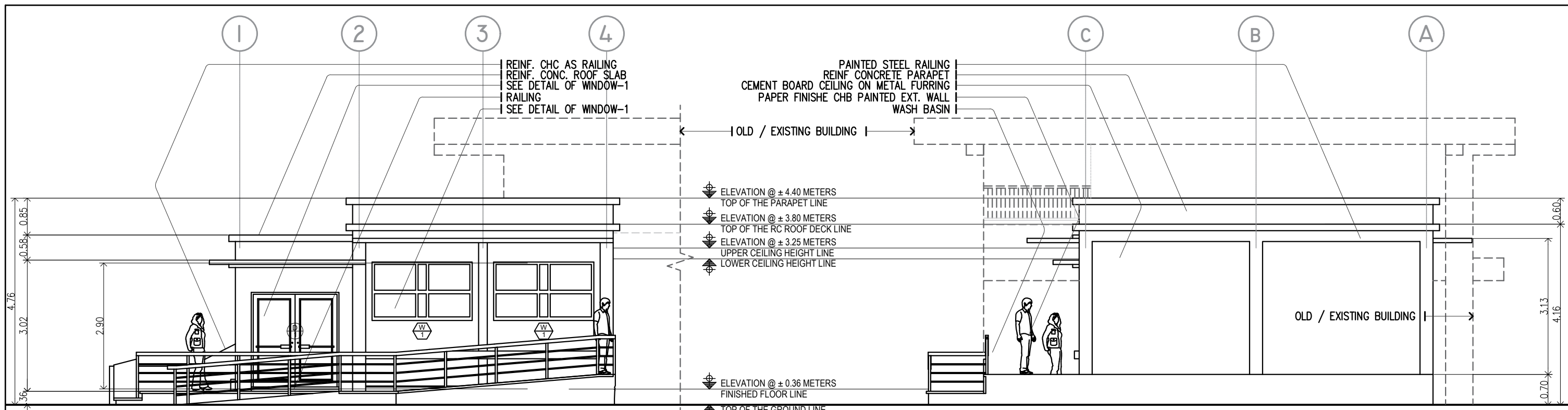
TIN : 930-953-275	Design & Seal	Project Title :	Checked by :	Noted by :	Approved by :	<b>SHEET CONTENTS:</b>	Designed by : ELVON
PRC : 0018370	<b>ELVIN A. CABAÑERO</b> ARCHITECT II	<b>"PROPOSED"</b> <b>BOAR SEMEN</b> <b>CRYOPRESERVATION</b> <b>LABORATORY</b>	<b>ENGR. MARCELO T. ABRERA, JR.</b> HEAD, PDM	<b>Dr. DANIEL LESLIE S. TAN</b> VP OF ADMINISTRATION & FINANCE	<b>Dr. EDGARDO E. TULIN</b> VSU PRESIDENT	<b>SCHEDULE OF DOORS, WINDOWS</b>	CAD by : ELVON
PTR : 3695759						<b>WINDOW GRILL &amp; RAILINGS</b>	Date Started : Oct. 21
Date : 20 JANUARY 2021						Revision : 2.20	Date Finished : Dec. 21
PL. ISS. : JAVIER, LEYTE							

**A7 07**  
SHEET NO.  
**07 14**



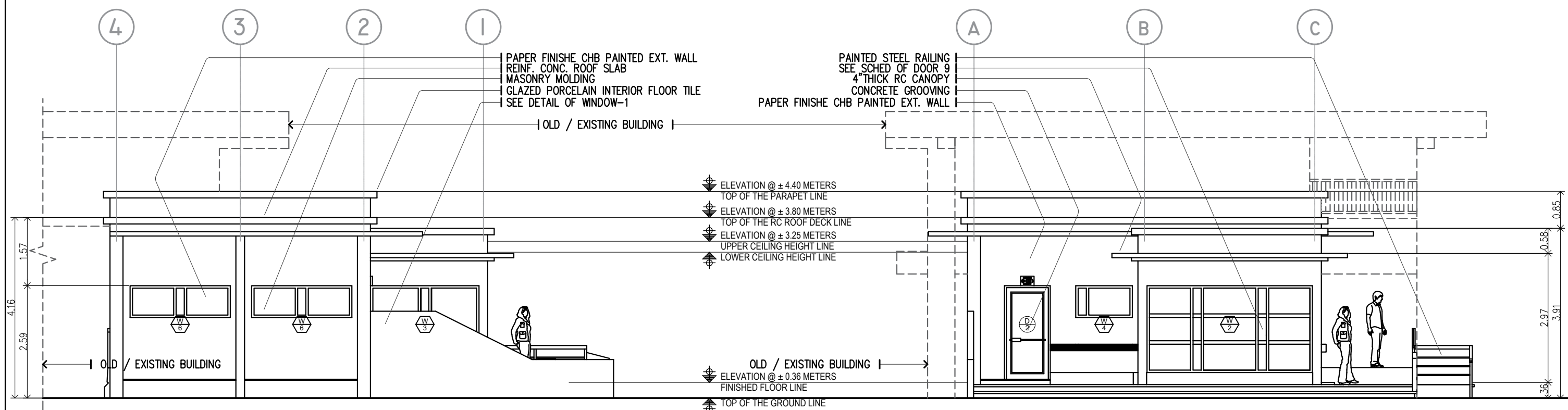
SEE DETAIL OF:  
A COVE LITE CEILING DETAIL  
B CURTAIN TRACK DETAIL

TIN : 930-953-275	Design & Seal	Project Title :	Checked by :	Noted by :	Approved by :	<b>SHEET CONTENTS:</b>	Designed by : ELVON	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>A6 07</b>          SHEET NO.  <b>06 14</b> </div>
PRC : 0018370	<b>ELVIN A. CABAÑERO</b> ARCHITECT II	<b>"PROPOSED"</b> <b>BOAR SEMEN</b> <b>CRYOPRESERVATION</b> <b>LABORATORY</b> LOCATION: PANGASUGAN, VSU-MAIN, BAYBAY CITY	<b>ENGR. MARCELO T. ABRERA, JR.</b> HEAD, PDM	<b>Dr. DANIEL LESLIE S. TAN</b> VP OF ADMINISTRATION & FINANCE	<b>Dr. EDGARDO E. TULIN</b> VSU PRESIDENT	<b>SECTIONS</b>	CAD by : ELVON	
PTR : 3695759						Date Started : Oct. '21		
Date : 20 JANUARY 2021						Date Finished : Dec. '21		
PL. ISS. : JAVIER, LEYTE						Revision : 2.10		



**A FRONT ELEVATION**  
A-04 SCALE: 1:120M

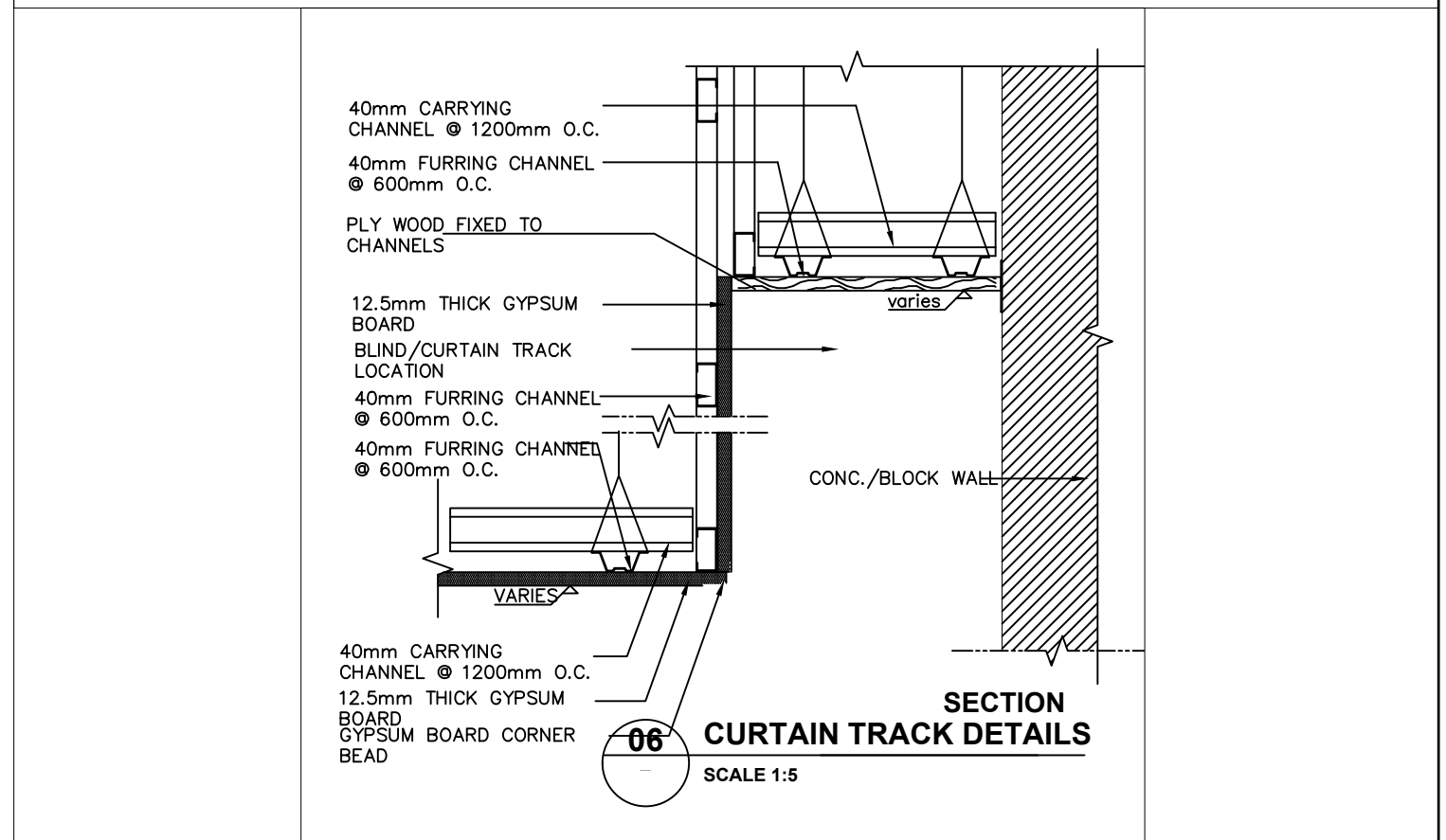
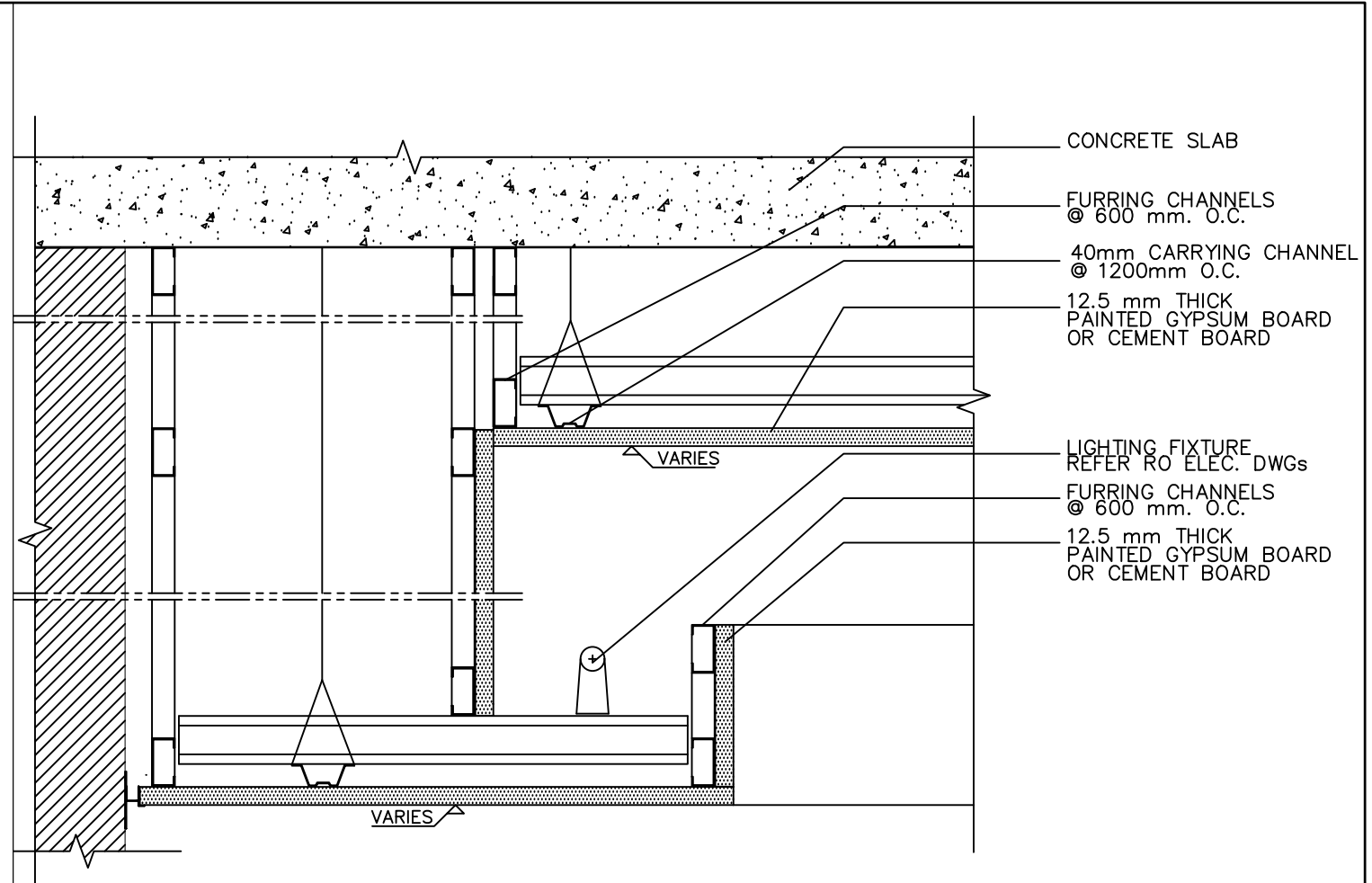
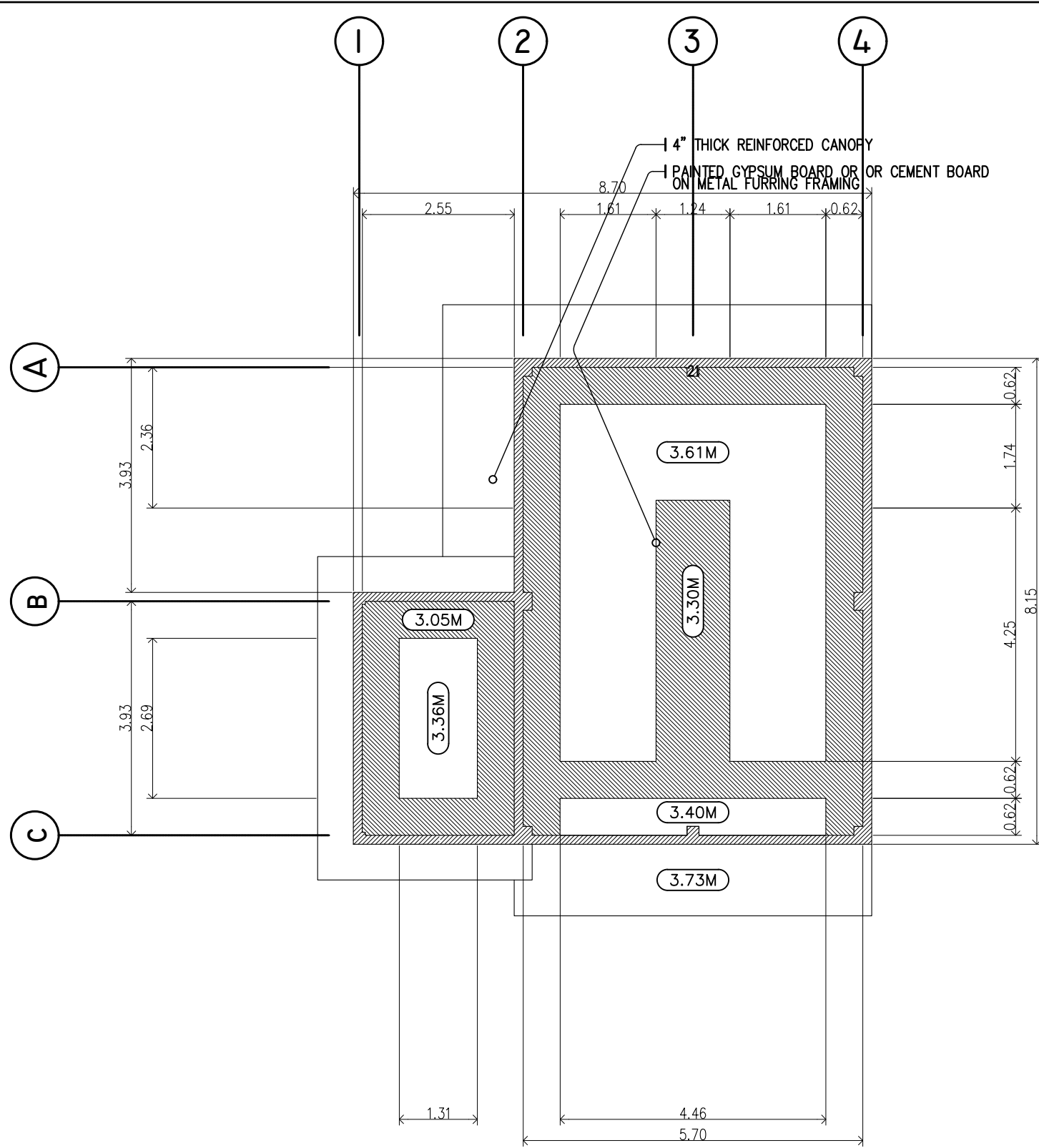
**B LEFT-SIDE ELEVATION**  
A-04 SCALE: 1:120M



**C REAR ELEVATION**  
A-04 SCALE: 1:120M

**D RIGHT-SIDE ELEVATION**  
A-04 SCALE: 1:120M

TIN : 930-953-275	Design & Seal	Project Title :	Checked by :	Noted by :	Approved by :	<b>SHEET CONTENTS:</b>	Designed by : ELVON	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <span style="font-size: 24px; font-weight: bold;">A5 07</span> </div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <span style="font-size: 24px; font-weight: bold;">05 14</span> </div>
PRC : 0018370	<b>ELVIN A. CABAÑERO</b> ARCHITECT II	<b>"PROPOSED"</b> BOAR SEMEN CRYOPRESERVATION LABORATORY LOCATION: PANGASUGAN, VSU-MAIN, BAYBAY CITY	<b>ENGR. MARCELO T. ABRERA, JR.</b> HEAD, PDM	<b>Dr. DANIEL LESLIE S. TAN</b> VP OF ADMINISTRATION & FINANCE	<b>Dr. EDGARDO E. TULIN</b> VSU PRESIDENT	<b>ELEVATION</b>	CAD by : ELVON	
PTR : 3695759						Date Started : Oct. '21		
Date : 20 JANUARY 2021						Date Finished : Dec. '21		
PL. ISS. : JAVIER, LEYTE						Revision : 2.10		



LEGENDS:  
 3.00M CEILING HEIGHT INDICATOR

(BSC LABORATORY)  
**REFLECTED CEILING PLAN**  
 SCALE 1: 120M

TIN : 930-953-275	Design & Seal	Project Title :	Checked by :	Noted by :	Approved by :	SHEET CONTENTS:	Designed by : ELVON
PRC : 0018370	<b>ELVIN A. CABAÑERO</b> ARCHITECT II	<b>"PROPOSED"</b> <b>BOAR SEMEN</b> <b>CRYOPRESERVATION</b> <b>LABORATORY</b>	<b>ENGR. MARCELO T. ABRERA, JR.</b>	<b>Dr. DANIEL LESLIE S. TAN</b>	<b>Dr. EDGARDO E. TULIN</b>	CEILING DETAILS	CAD by : ELVON
PTR : 3695759						Date Started : Oct. '21	
Date : 20 JANUARY 2021						Date Finished : Dec. '21	
PL. ISS. : JAVIER, LEYTE						Revision : 2.10	
		LOCATION: PANGASUGAN, VSU-MAIN, BAYBAY CITY	HEAD, PDM	VP OF ADMINISTRATION & FINANCE	VSU PRESIDENT		

**A4 07**  
 SHEET NO.  
**04 14**