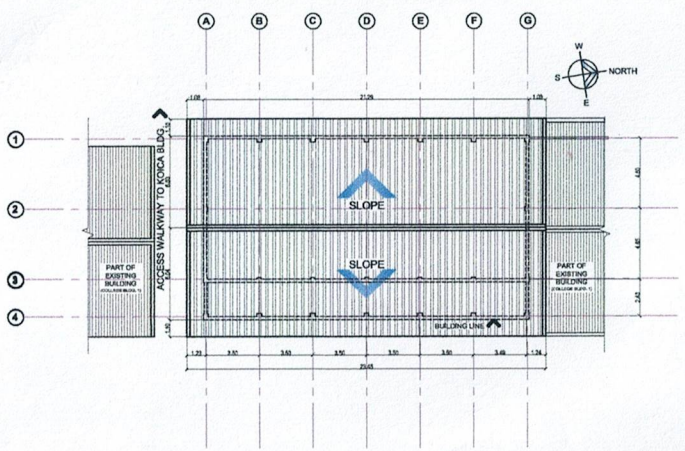
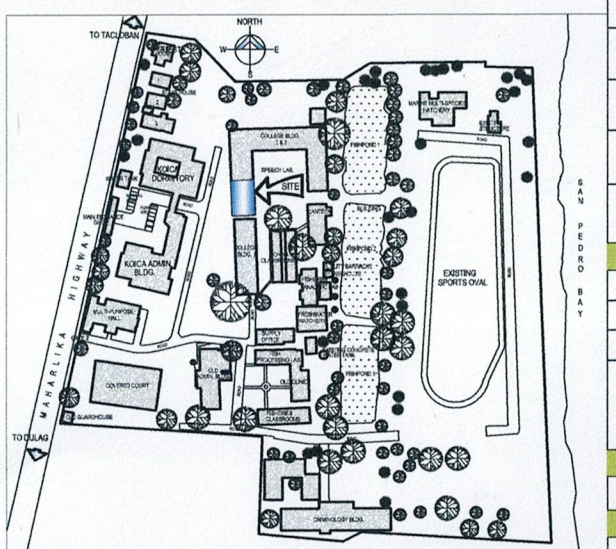


A1 / A-1 **PERSPECTIVE** SCALE NTS




A1 / A-2 **SITE DEVELOPMENT PLAN** SCALE 1: 120 M.




A1 / A-3 **LOCATION & VICINITY MAP** SCALE NTS

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REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE BUILDING OFFICIAL
MUNICIPALITY OF TOLOSA

DISTRICT / MUNICIPALITY / CITY

**LINE AND GRADE**

BUILDING OFFICIAL DATE

**LAND USE AND ZONING**

BUILDING OFFICIAL DATE

**ARCHITECTURAL**

BUILDING OFFICIAL DATE

**STRUCTURAL**

BUILDING OFFICIAL DATE

**SANITARY/PLUMBING**

BUILDING OFFICIAL DATE

**ELECTRICAL**

BUILDING OFFICIAL DATE

**MECHANICAL**

BUILDING OFFICIAL DATE

VSU TOLOSA

TIN: 715-494-168
PRC: 48781
PTR: 7215187
Date: 19 JAN 2023
Place: Province of Leyte

Design by: CAITLIN SAITH D. GATELA, ARCH., PIMO VSU Tolosa Campus

Project Title: CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING

Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines

Noted by: ARNEL G. AGRAVA, HEAD, PIMO VSU Tolosa Campus

Checked by: Engr. MARCELO T. ABRERA, JR., DIRECTOR, ODPIPDM

Checked by: Engr. MARIO LILIO P. VALENZONA, DIRECTOR, GSD

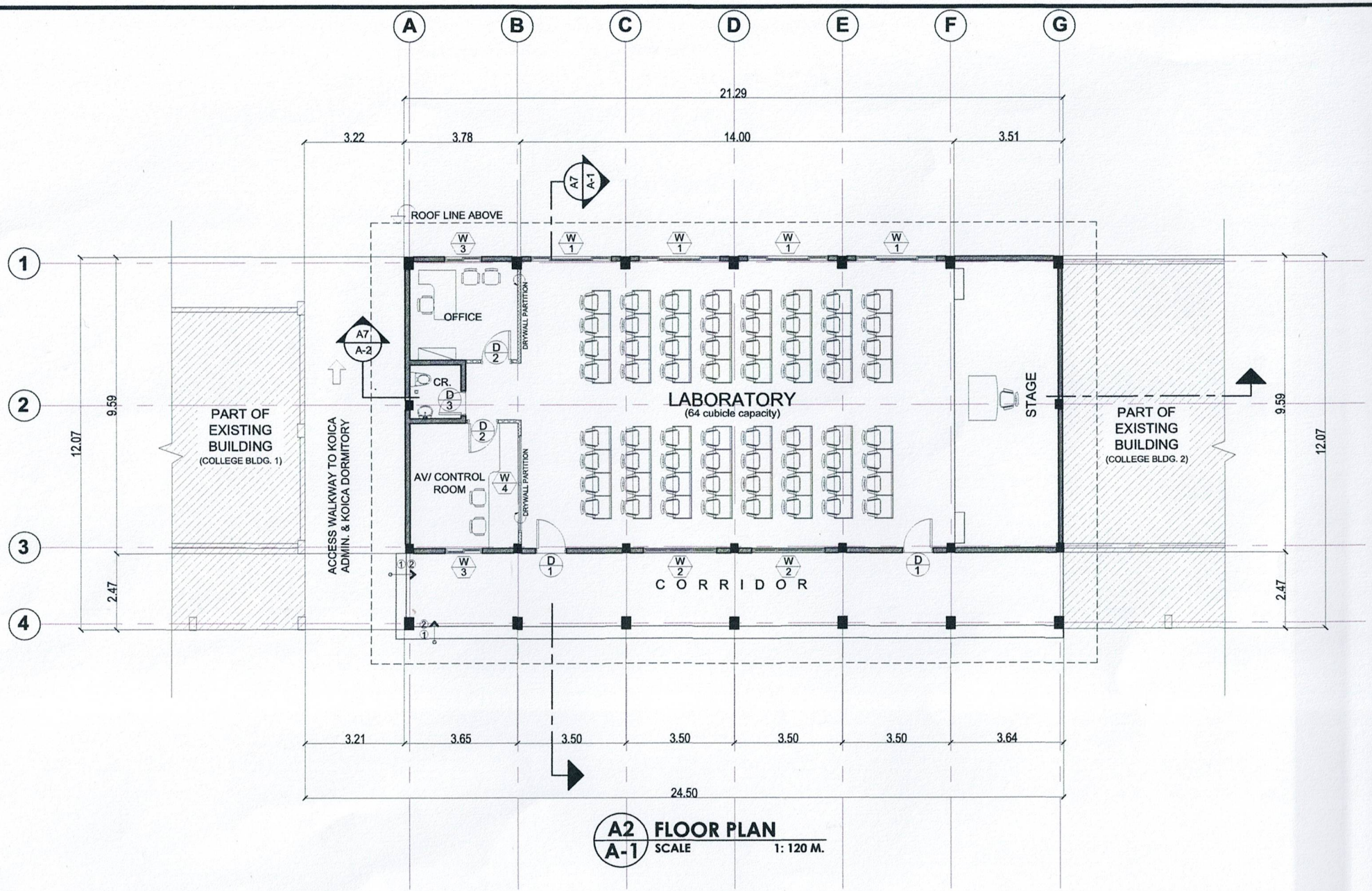
Conformed by: Dr. DANIEL LESLIE S. TAN, VP FOR FINANCE & ADMINISTRATION

Approved by: Dr. EDGARDO E. TULIN, VSU PRESIDENT

SHEET CONTENTS: PERSPECTIVE, SITE DEVELOPMENT PLAN, LOCATION & VICINITY MAP

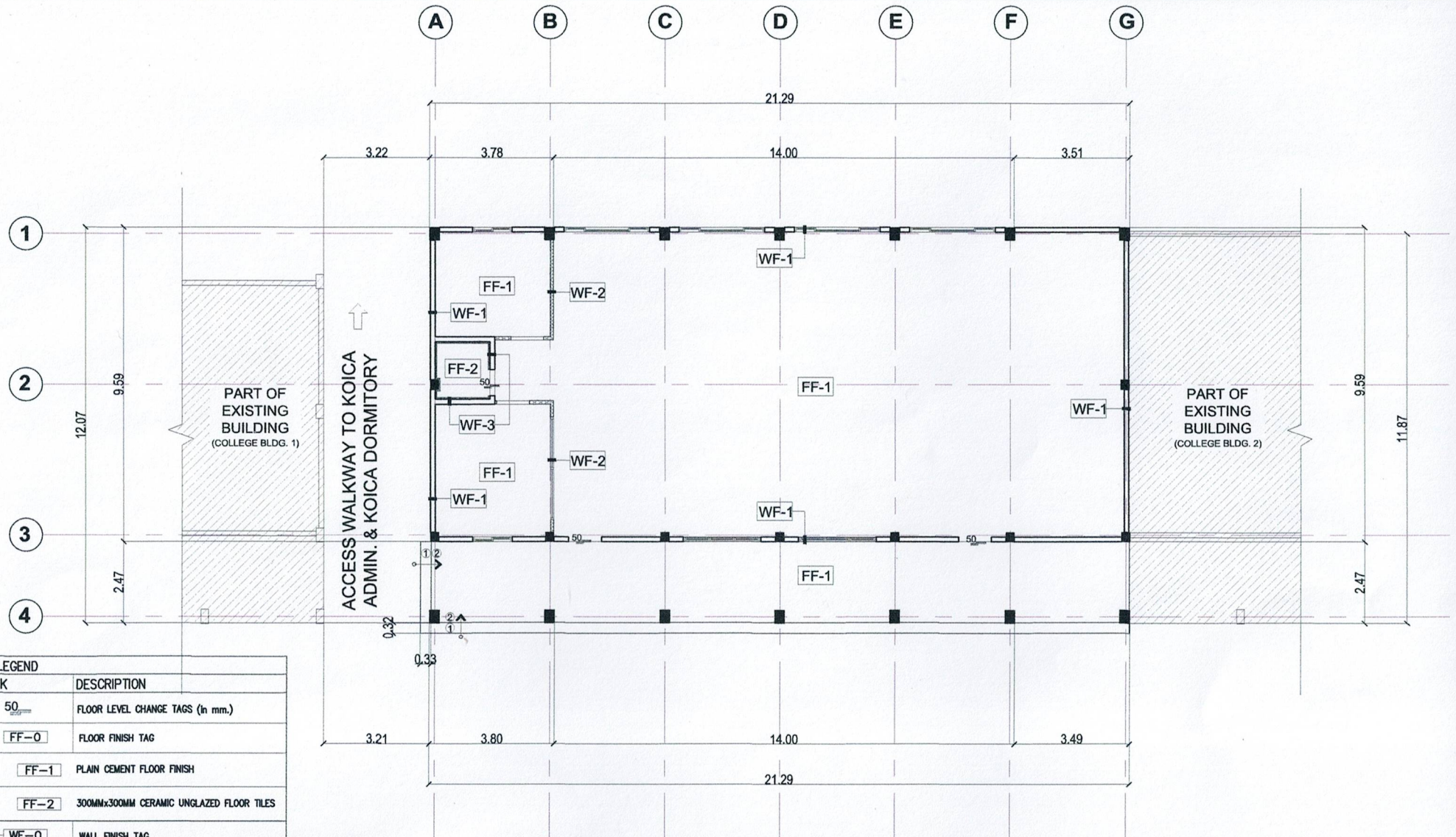
CONCEPTED by:
AutoCAD by: CAIT
Date Started: MAY. 2023
Date Finished: JUN. 2023
Place: TOLOSA, LEYTE

A1 03
SHEET NO.
01 30




**A2 / A-1 FLOOR PLAN**
SCALE 1: 120 M.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TIN: 715-494-168<br>PRC: 48761<br>PTR: 7215187<br>Date: 19 JAN 2023<br>Place: Province of Leyte | Design by:<br>CAITLIN SAITH D. GATELA<br>ARCH.,PIMO VSU Tolosa Campus | Project Title:<br>CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING<br>Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | Noted by:<br>ARNEL G. AGRAVA<br>HEAD, PIMO VSU Tolosa Campus | Checked by:<br>Engr. MARCELO T. ABRERA, JR.<br>DIRECTOR, ODPIPDM | Checked by:<br>Engr. MARIO LILIO P. VALENZONA<br>DIRECTOR, GSD | Conformed by:<br>Dr. DANIEL LESLIE S. TAN<br>VP FOR FINANCE & ADMINISTRATION | Approved by:<br>Dr. EDGARDO E. TULIN<br>VSU PRESIDENT | SHEET CONTENTS:<br>FLOOR PLAN | CONCEPTED by:<br>AutoCAD by: CAIT<br>Date Started: MAY. 2023<br>Date Finished: JUN. 2023<br>Place: TOLOSA, LEYTE | A2 01<br>SHEET NO.<br>02 30 |




| LEGEND | |
|---|---|
| MARK | DESCRIPTION |
| 50 | FLOOR LEVEL CHANGE TAGS (In mm.) |
| FF–0 | FLOOR FINISH TAG |
| FF–1 | PLAIN CEMENT FLOOR FINISH |
| FF–2 | 300MMx300MM CERAMIC UNGLAZED FLOOR TILES |
| WF–0 | WALL FINISH TAG |
| WF–1 | MASONRY WALL W/ APPROVED PAINT FINISH |
| WF–2 | MASONRY WALL W/ 300MMX300MM WALL TILES |
| WF–3 | DRY WALL W/ APPROVED PAINT FINISH |

## A3 / A-1 FLOOR & WALL FINISH LAYOUT

SCALE 1: 120 M.

VSU TOLOSA

TIN: 715-494-168
PRC: 48761
PTR: 7215187
Date: 19 JAN 2023
Place: Province of Leyte

Design by: CAITLIN SAITH D. SATELA, ARCH., PIMO VSU Tolosa Campus

Project Title: CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING

Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines

Noted by: ARNELO G. AGRAVA, HEAD, PIMO VSU Tolosa Campus

Checked by: Engr. MARCELO T. ABRERA, JR., DIRECTOR, ODPIPDM

Checked by: Engr. MARIO LILIO P. VALENZONA, DIRECTOR, GSD

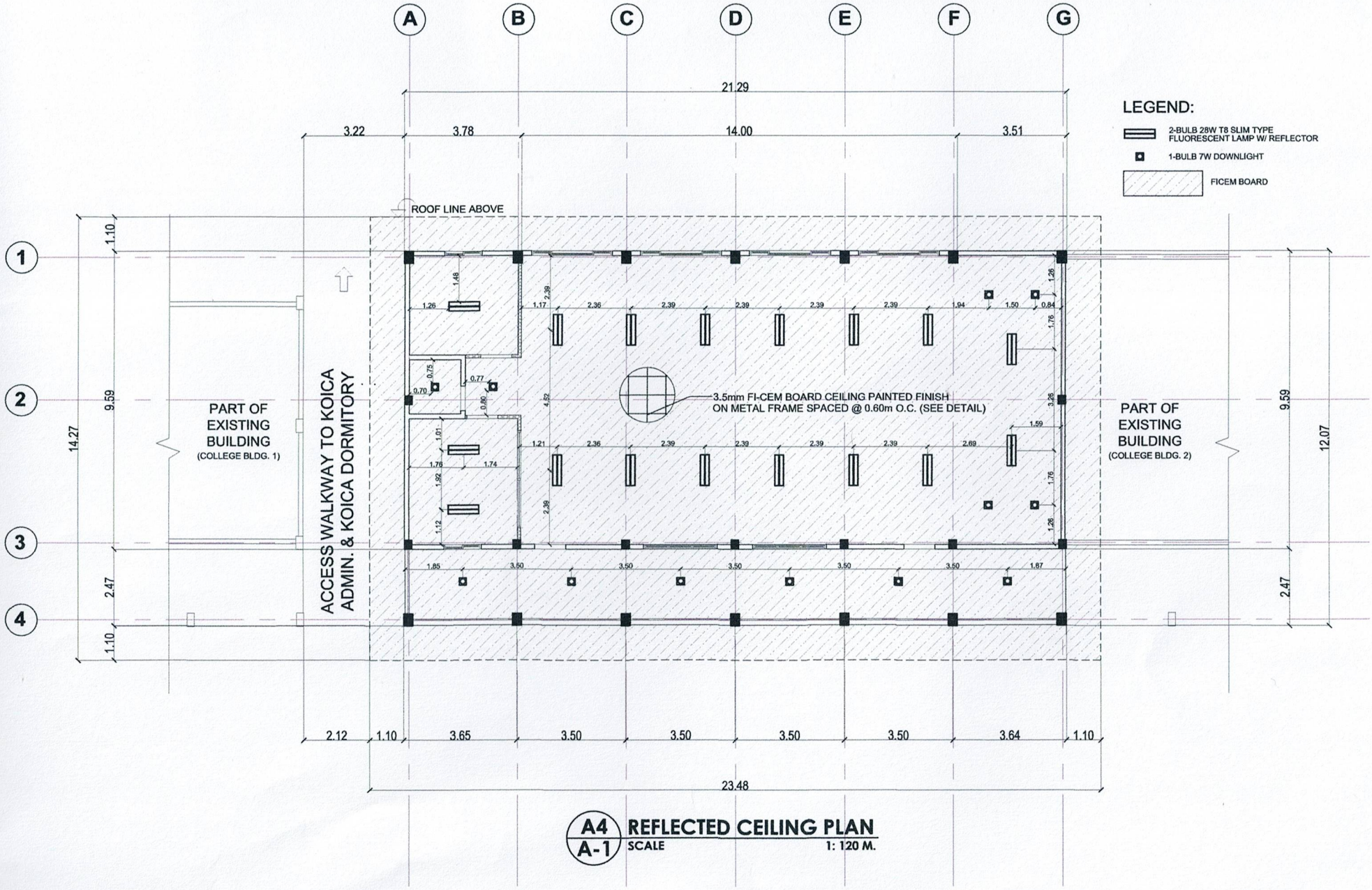
Conformed by: Dr. DANIEL LESLIE S. TAN, VP FOR FINANCE & ADMINISTRATION

Approved by: Dr. EDGARDO E. TULIN, VSU PRESIDENT

SHEET CONTENTS: FLOOR & WALL FINISH LAYOUT

CONCEPTED by:
AutoCAD by: CAIT
Date Started: MAY. 2023
Date Finished: JUN. 2023
Place: TOLOSA, LEYTE

A3 01
SHEET NO.
03 30

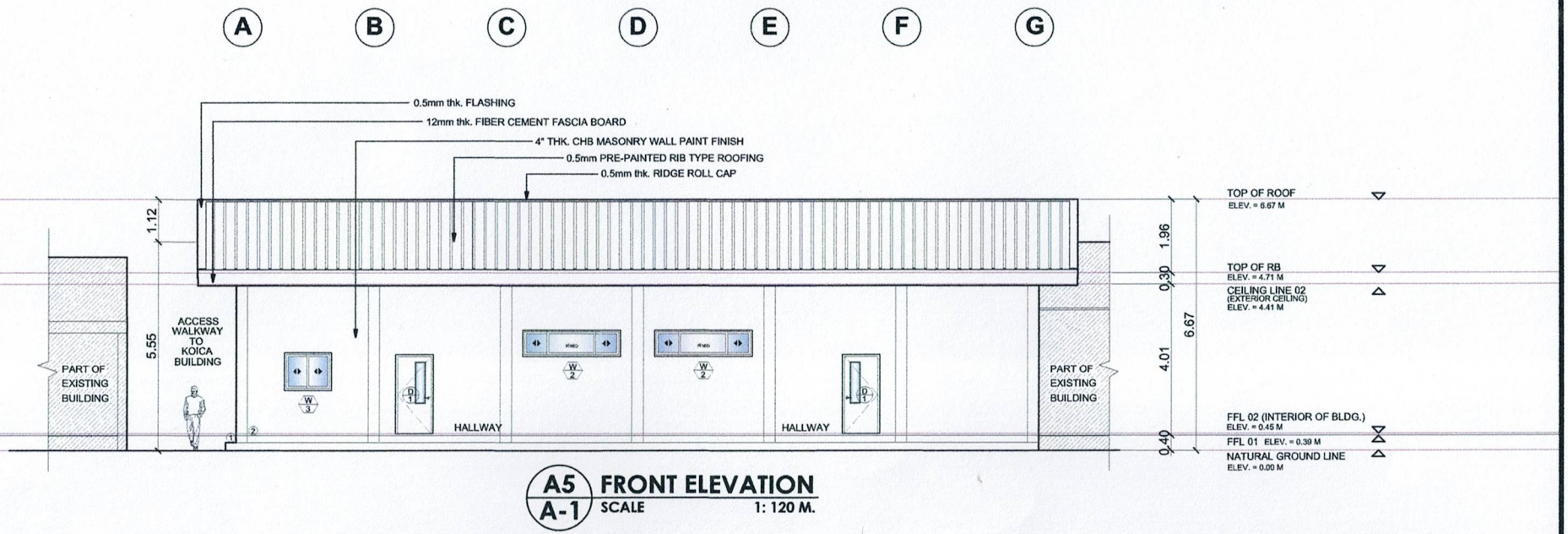



## A4 / A-1 REFLECTED CEILING PLAN

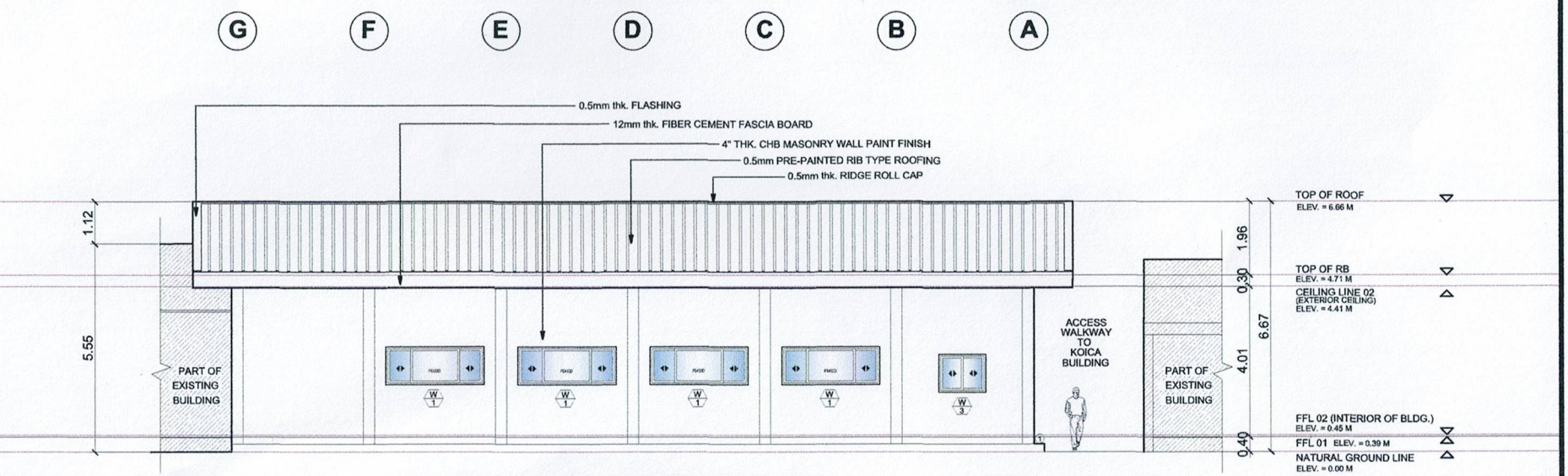
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| TIN: 715-494-168 | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| PRC: 48761 | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | | | | | | | AutoCAD by: CAIT |
| PTR: 7215187 | CAITLIN SARAH D. GATELA | | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | REFLECTED CEILING PLAN | Date Started: MAY. 2023 |
| Date: 19 JAN 2023 | | | | | | | | | Date Finished: JUN. 2023 |
| Place: Province of Leyte | ARCH.,PIMO VSU Tolosa Campus | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, QSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: TOLOSA, LEYTE |

A4 01
SHEET NO.
04 30



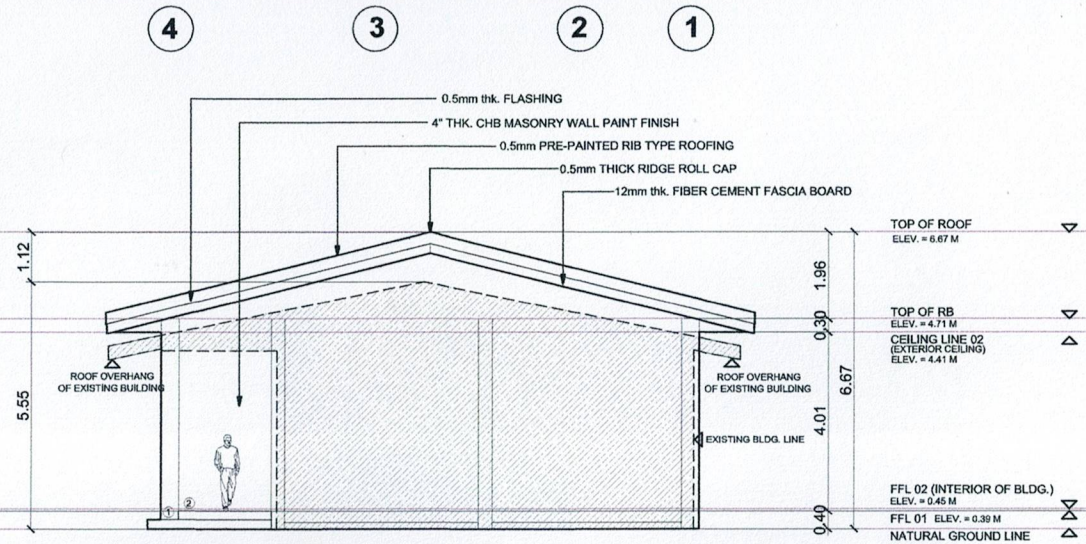

**A5 / A-1 FRONT ELEVATION**
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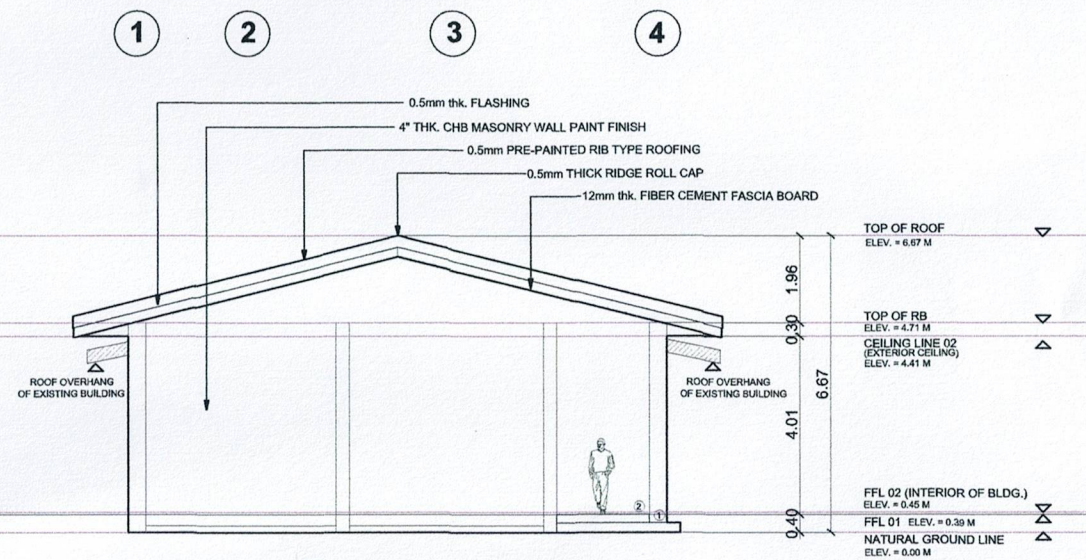

**A5 / A-2 REAR ELEVATION**
SCALE 1: 120 M.

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|---|---|---|---|---|---|---|---|---|---|
| TIN: 715-494-168 | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| PRC: 48761 | | | | | | | | | AutoCAD by: CAIT |
| PTR: 7215187 | CAITLIN SAITH D. GATELA | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | FRONT ELEVATION<br>REAR ELEVATION | Date Started: MAY. 2023 |
| Date: 19 JAN 2023 | | | | | | | | | Date Finished: JUN. 2023 |
| Place: Province of Leyte | ARCH., PIMO VSU Tolosa Campus | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: TOLOSA, LEYTE |

A5 02
SHEET NO.
05 30



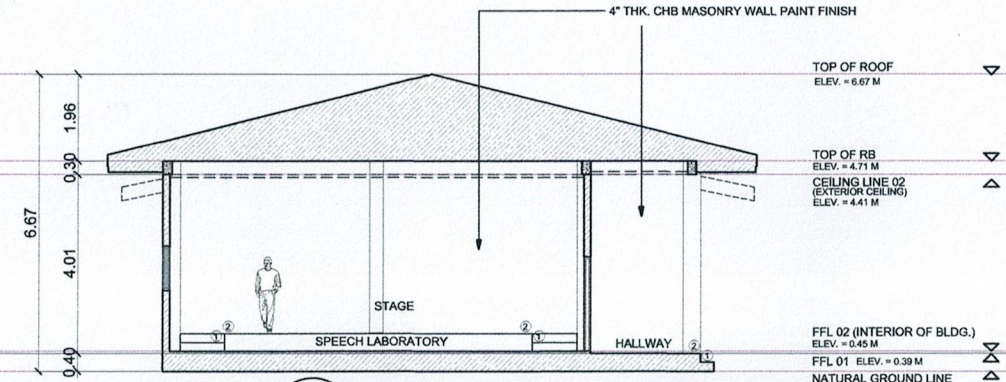

**A6 / A-1 RIGHT SIDE ELEVATION**
SCALE 1: 120 M.



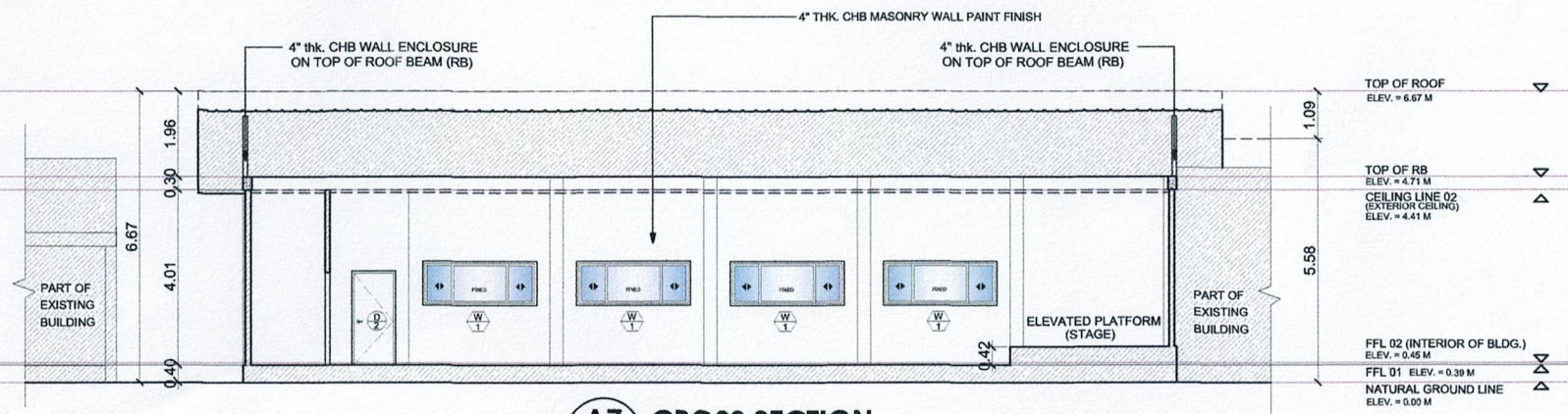

**A6 / A-2 LEFT SIDE ELEVATION**
SCALE 1: 120 M.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TIN: 715-494-168 | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| PRC: 48761 | | | | | | | | | AutoCAD by: CAIT |
| PTR: 7215187 | CAITLIN SAITH D. GATELA | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | RIGHT SIDE ELEVATION<br>LEFT SIDE ELEVATION | Date Started: MAY. 2023 |
| Date: 19 JAN 2023 | | | | | | | | | Date Finished: JUN. 2023 |
| Place: Province of Leyte | ARCH.,PIMO VSU Tolosa Campus | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSO | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: TOLOSA, LEYTE |

A6 02
SHEET NO.
06 30



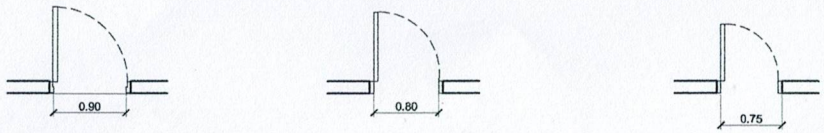

**A7 / A-1 LONGITUDINAL SECTION**
SCALE 1: 120 M.



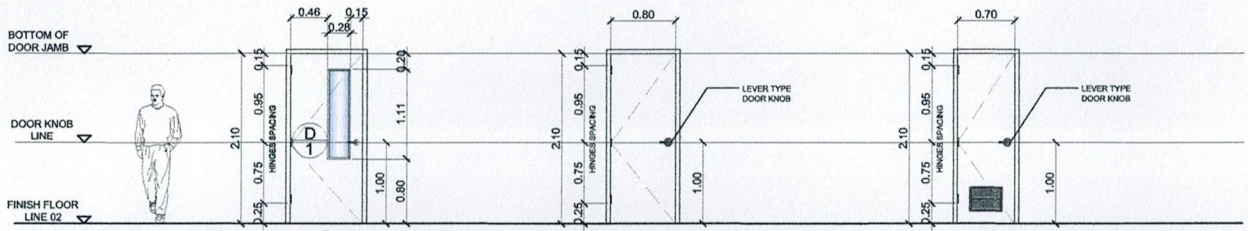

**A7 / A-2 CROSS SECTION**
SCALE 1: 120 M.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TIN: 715-494-168 | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| PRC: 48761 | | | | | | | | | AutoCAD by: CAIT |
| PTR: 7215187 | CAITLYN SAITH D. GATELA | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | LONGITUDINAL SECTION THRU "A" | Date Started: MAY. 2023 |
| Date: 19 JAN 2023 | | | | | | | | CROSS SECTION THRU "B" | Date Finished: JUN. 2023 |
| Place: Province of Leyte | ARCH.,PIMO VSU Tolosa Campus | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: TOLOSA, LEYTE |

A7 02
SHEET NO.
07 30




PLAN



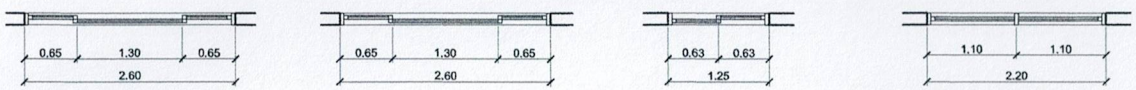

ELEVATION

D 1

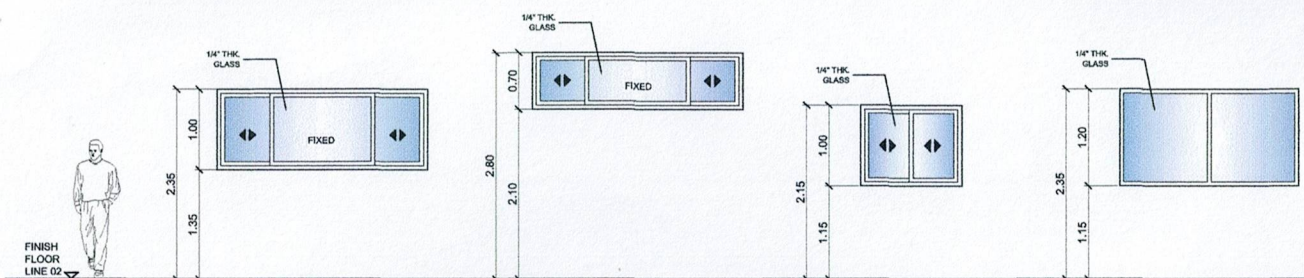
## A8 / A-1 SCHEDULE OF DOORS

SCALE 1: 60 M.

| NO. OF SETS: | 2 | 2 | 1 |
|---|---|---|---|
| TYPE: | SINGLE ACTION WOOD PANEL DOOR (WHITE) | SINGLE ACTION WOOD PANEL DOOR (WHITE) | PVC DOOR (WHITE) |
| LOCATION: | LABORATORY AREA (2) | CONTROL ROOM (1), OFFICE (1) | COMFORT ROOM (1) |




PLAN




ELEVATION

W 1 W 2 W 3 W 4

## A8 / A-2 SCHEDULE OF WINDOWS

SCALE 1: 60 M.

| NO. OF SETS: | 4 | 2 | 2 | 1 |
|---|---|---|---|---|
| TYPE: | POWDER COATED (WHITE) ALUMINUM FRAME SLIDING WINDOW | POWDER COATED (WHITE) ALUMINUM FRAME SLIDING WINDOW | POWDER COATED (WHITE) ALUMINUM FRAME SLIDING WINDOW | POWDER COATED (WHITE) ALUMINUM FRAME FIXED WINDOW |
| LOCATION: | LABORATORY AREA (4) | LABORATORY AREA (2) | CONTROL ROOM (1), OFFICE (1) | CONTROL ROOM (1) |

VSU TOLOSA

TIN: 715-494-168
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Date: 19 JAN 2023
Place: Province of Leyte

Design by: CAITLIN SAITH D. SATELA, ARCH., PIMO VSU Tolosa Campus

Project Title: CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING
Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines

Noted by: ARNEL G. AGRAVA, HEAD, PIMO VSU Tolosa Campus

Checked by: Engr. MARCELO T. ABRERA, JR., DIRECTOR, ODPIPDM

Checked by: Engr. MARIO LILIO P. VALENZONA, DIRECTOR, GSD

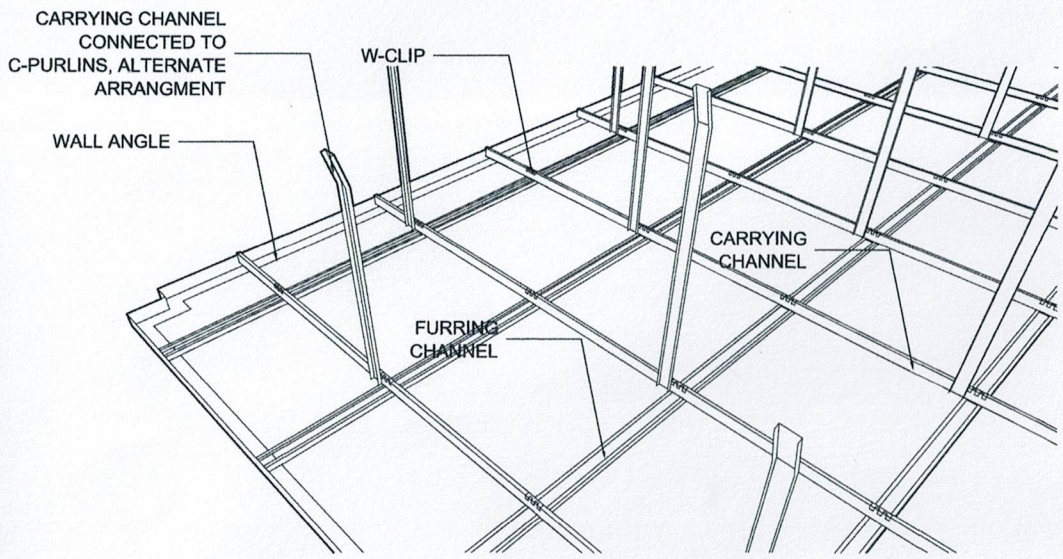
Conformed by: Dr. DANIEL LESLIE S. TAN, VP FOR FINANCE & ADMINISTRATION

Approved by: Dr. EDGARDO E. TULIN, VSU PRESIDENT

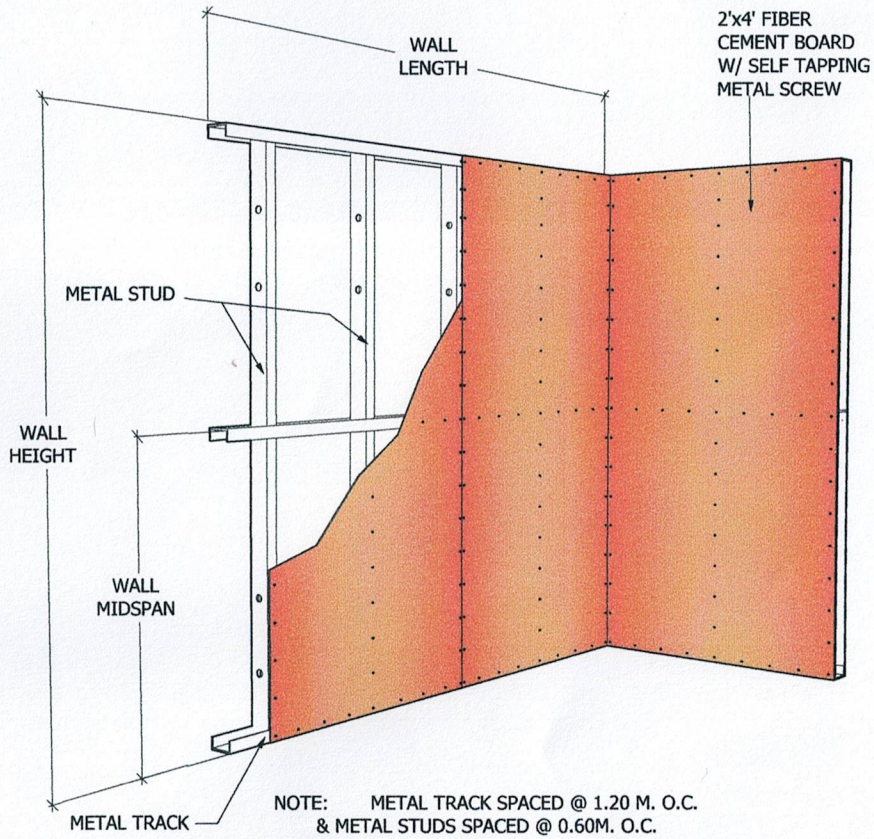
SHEET CONTENTS: SCHEDULE OF DOORS, SCHEDULE OF WINDOWS

CONCEPTED by:
AutoCAD by: CAIT
Date Started: MAY. 2023
Date Finished: JUN. 2023
Place: TOLOSA, LEYTE

A8 02
SHEET NO.
08 29




NOTE: FURRING CHANNEL SPACED @ 0.60M. O.C. & CARRYING CHANNEL SPACED @ 0.60M. O.C.

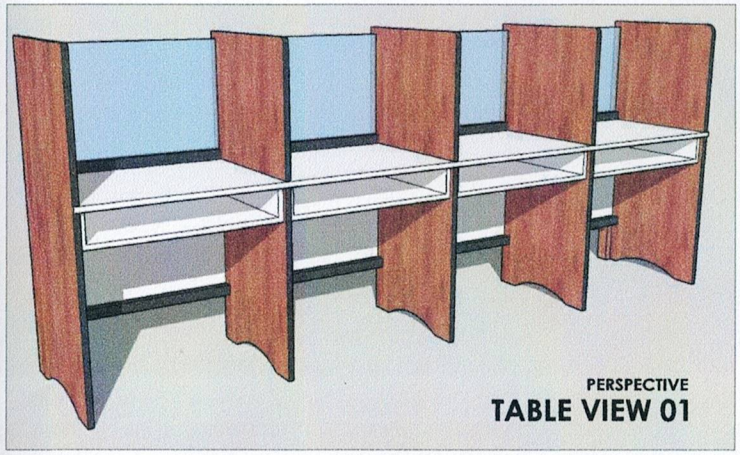



NOTE: METAL TRACK SPACED @ 1.20 M. O.C. & METAL STUDS SPACED @ 0.60M. O.C.

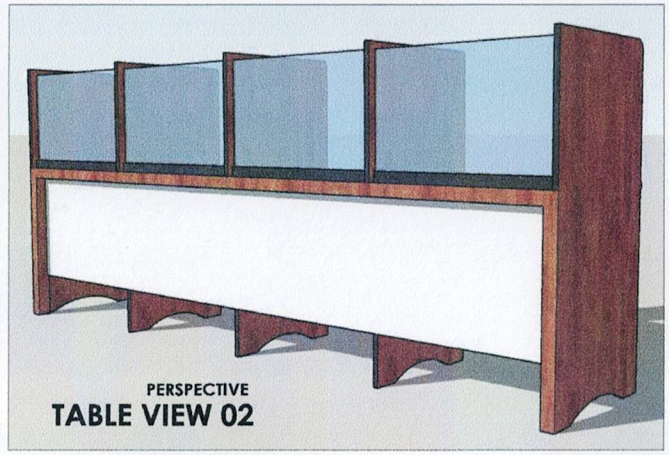
**A9 / A-1 CEILING FRAME CONNECTION DETAIL**
SCALE NTS

**A9 / A-2 DRYWALL FRAME CONNECTION DETAIL**
SCALE NTS

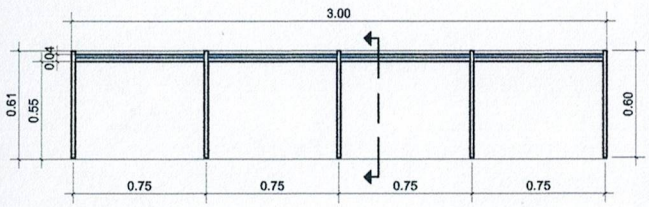
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| PRC: 48761 | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | | | | | | CEILING FRAME CONNECTION DETAIL | AutoCAD by: CAIT | |
| PTR: 7215187 | CAITLIN SAITH D. GATELA | | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | DRYWALL FRAME CONNECTION DETAIL | Date Started: MAY. 2023 | SHEET NO. |
| Date: 19 JAN 2023 | | | | | | | | | Date Finished: JUN. 2023 | 09 30 |
| Place: Province of Leyte | ARCH.,PIMO VSU Tolosa Campus | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: TOLOSA, LEYTE | |



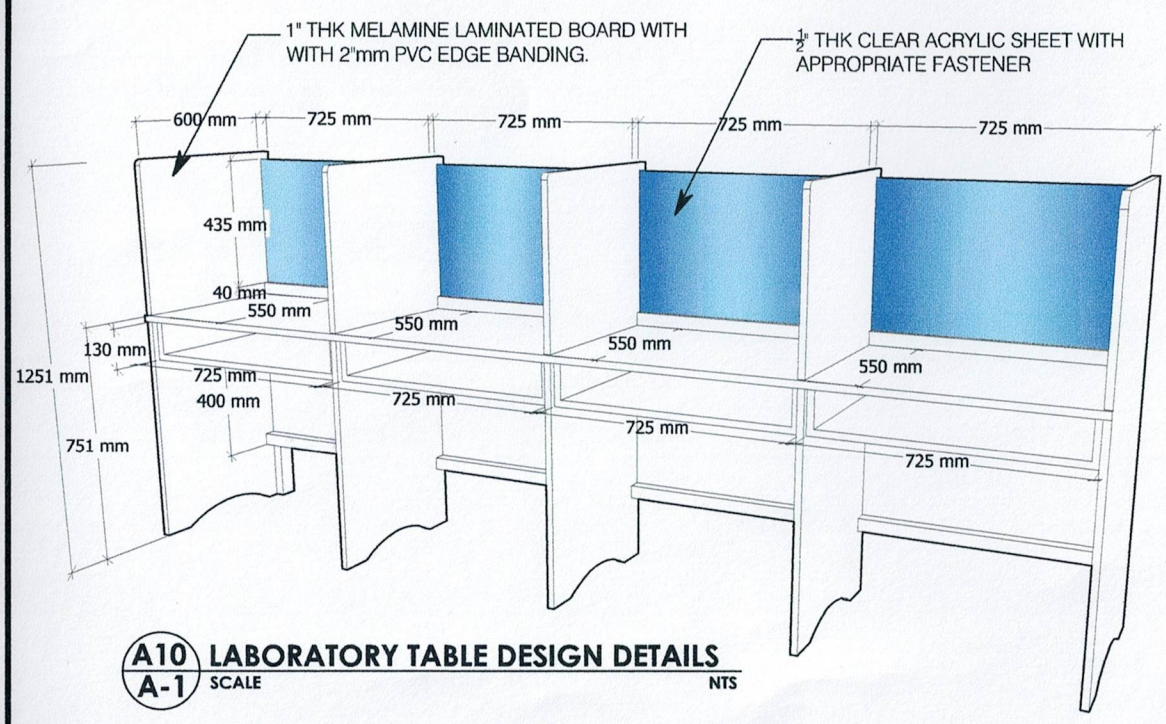
PERSPECTIVE
**TABLE VIEW 01**



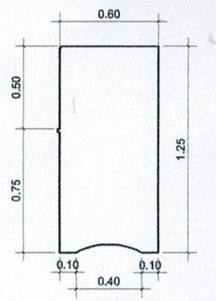
PERSPECTIVE
**TABLE VIEW 02**



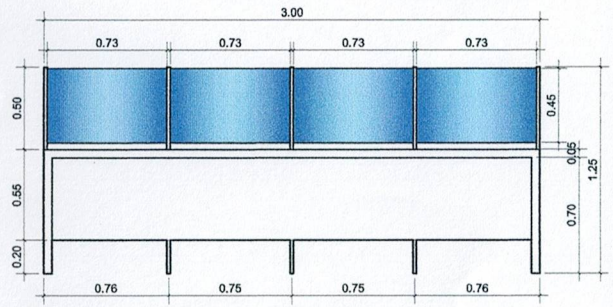

**PLAN**



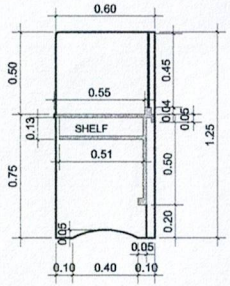

**A10 / A-1 LABORATORY TABLE DESIGN DETAILS**
SCALE NTS



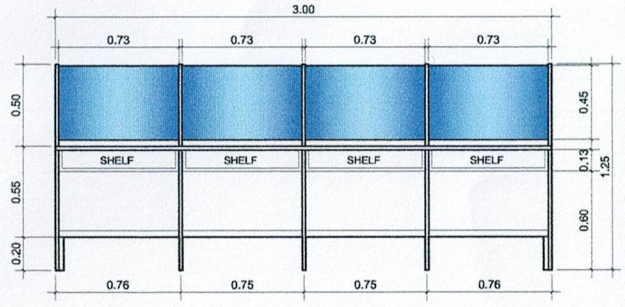

**SIDE ELEVATION**




**FRONT ELEVATION**



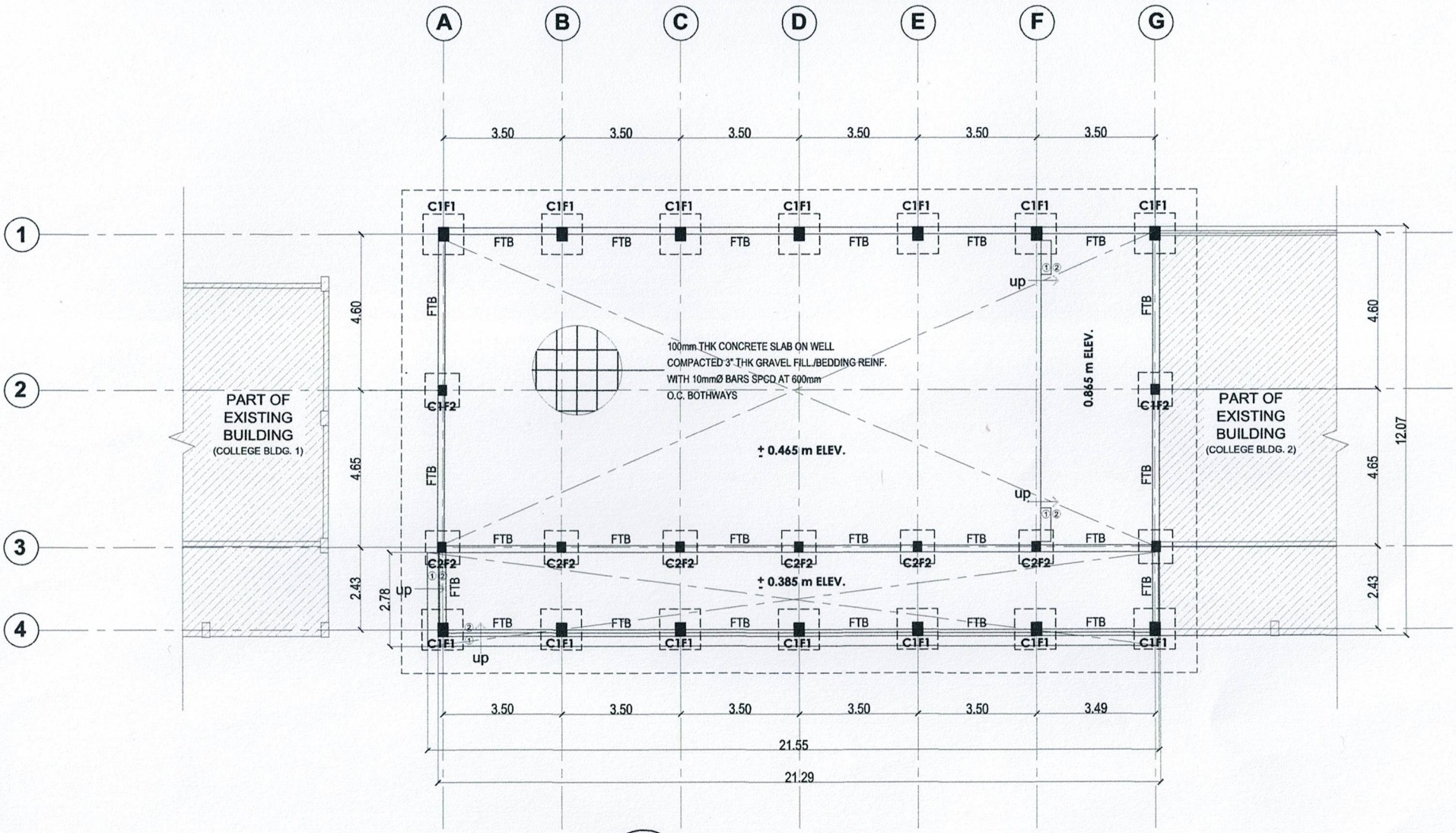

**CROSS SECTION**




**REAR ELEVATION**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TIN: 715-494-168 | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| PRC: 48761 | | | | | | | | | AutoCAD by: CAIT |
| PTR: 7215187 | CAITLIN SAITH D. GATELA | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | LABORATORY TABLE DESIGN DETAILS | Date Started: MAY. 2023 |
| Date: 19 JAN 2023 | | | | | | | | | Date Finished: JUN. 2023 |
| Place: Province of Leyte | ARCH.,PIMO VSU Tolosa Campus | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, CDPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: TOLOSA, LEYTE |

A10 01
SHEET NO.
10 30

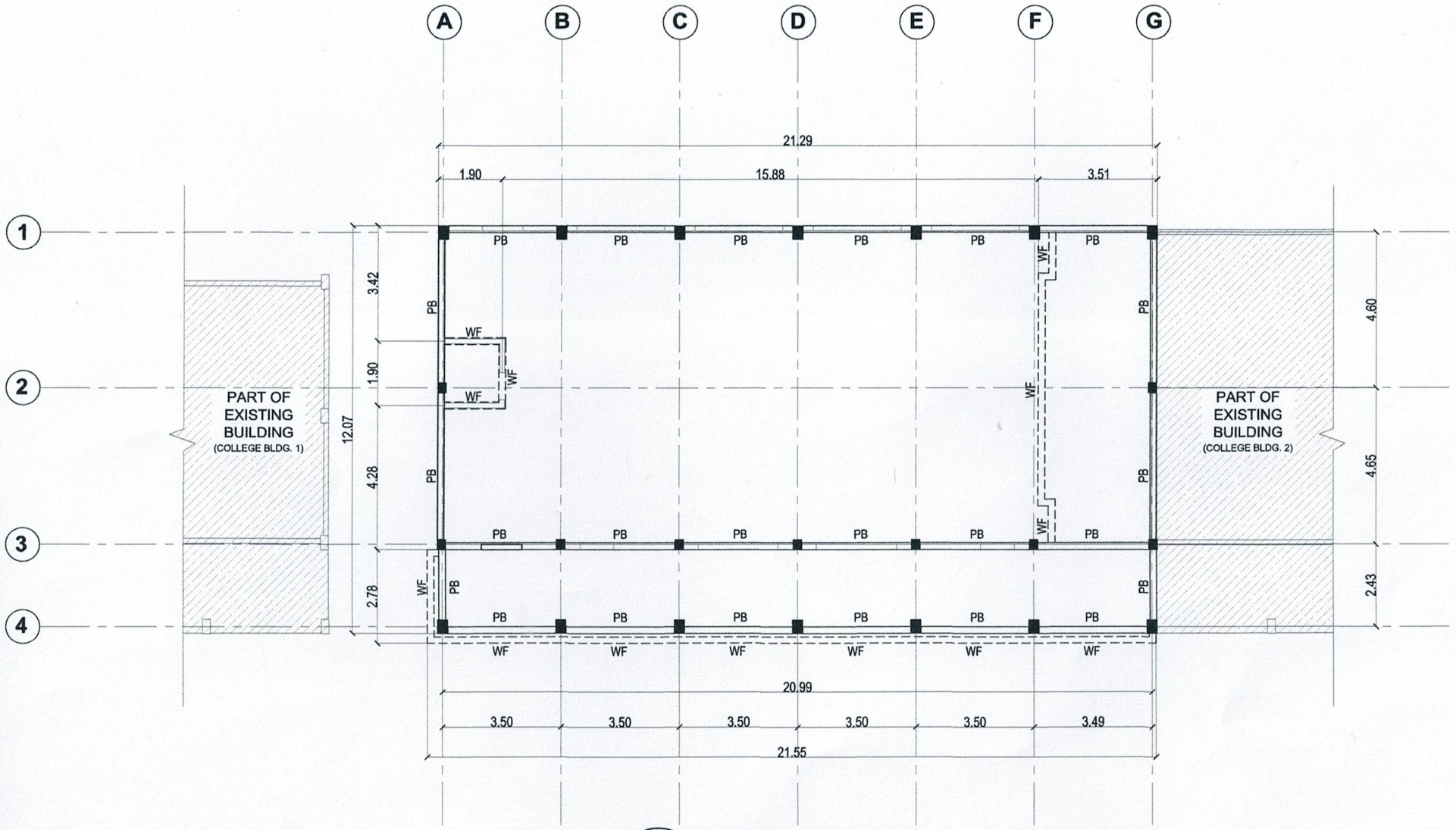



## S1 / S-1 FOUNDATION PLAN

SCALE 1: 120 M.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | FOUNDATION PLAN | AutoCAD by: |
| PTR: | | | | | | | | | Date Started: |
| Date: | | | | | | | | | Date Finished: |
| Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: |

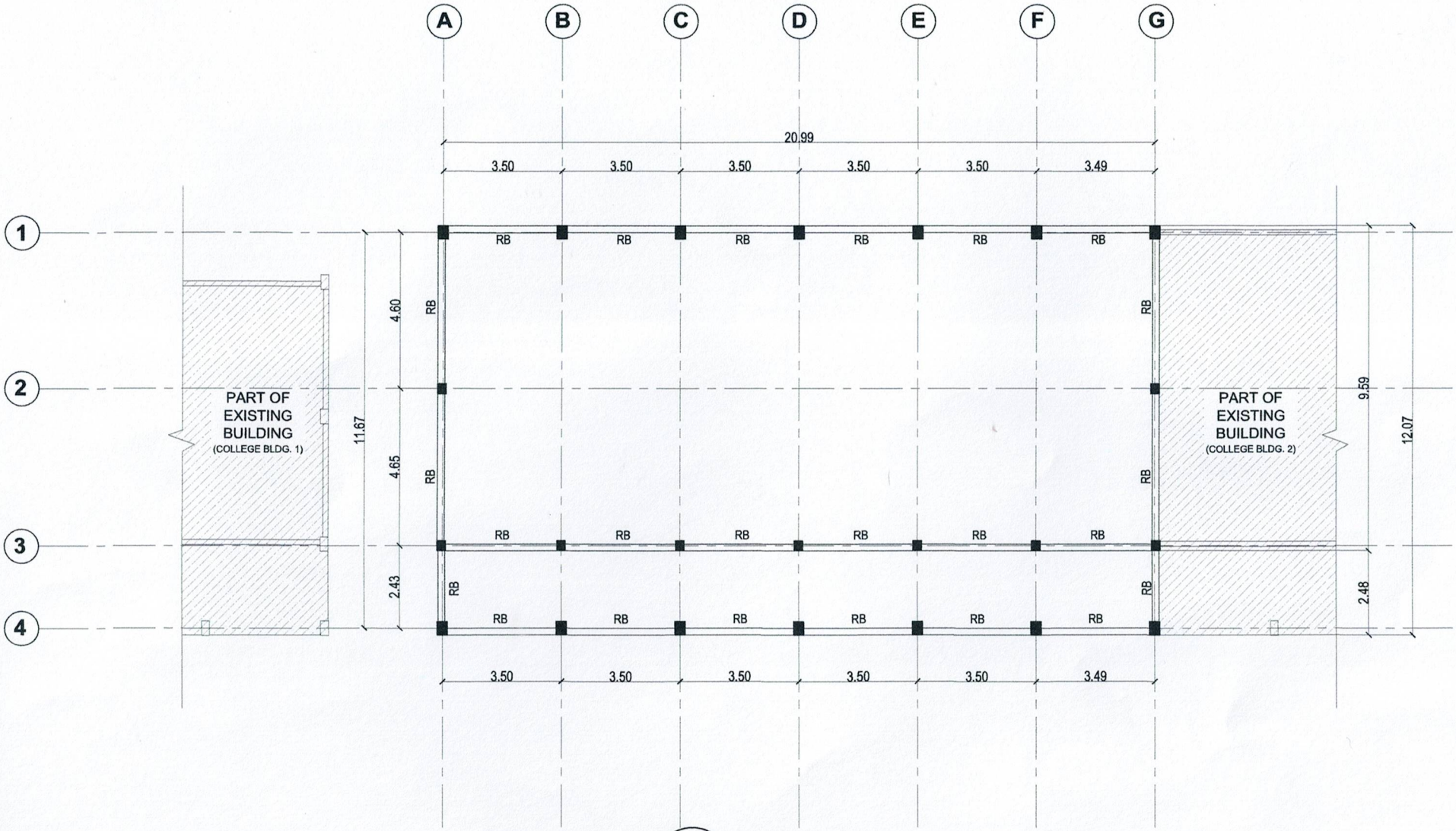
S1 01
SHEET NO.
11 30




# S2 / S-1 PLINTH BEAM PLAN

SCALE 1: 120 M.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: | S2 01 |
| PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | PLINTH BEAM PLAN | AutoCAD by: | |
| PTR: | | | | | | | | | Date Started: | SHEET NO. |
| Date: | | | | | | | | | Date Finished: | 12 30 |
| Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: | |

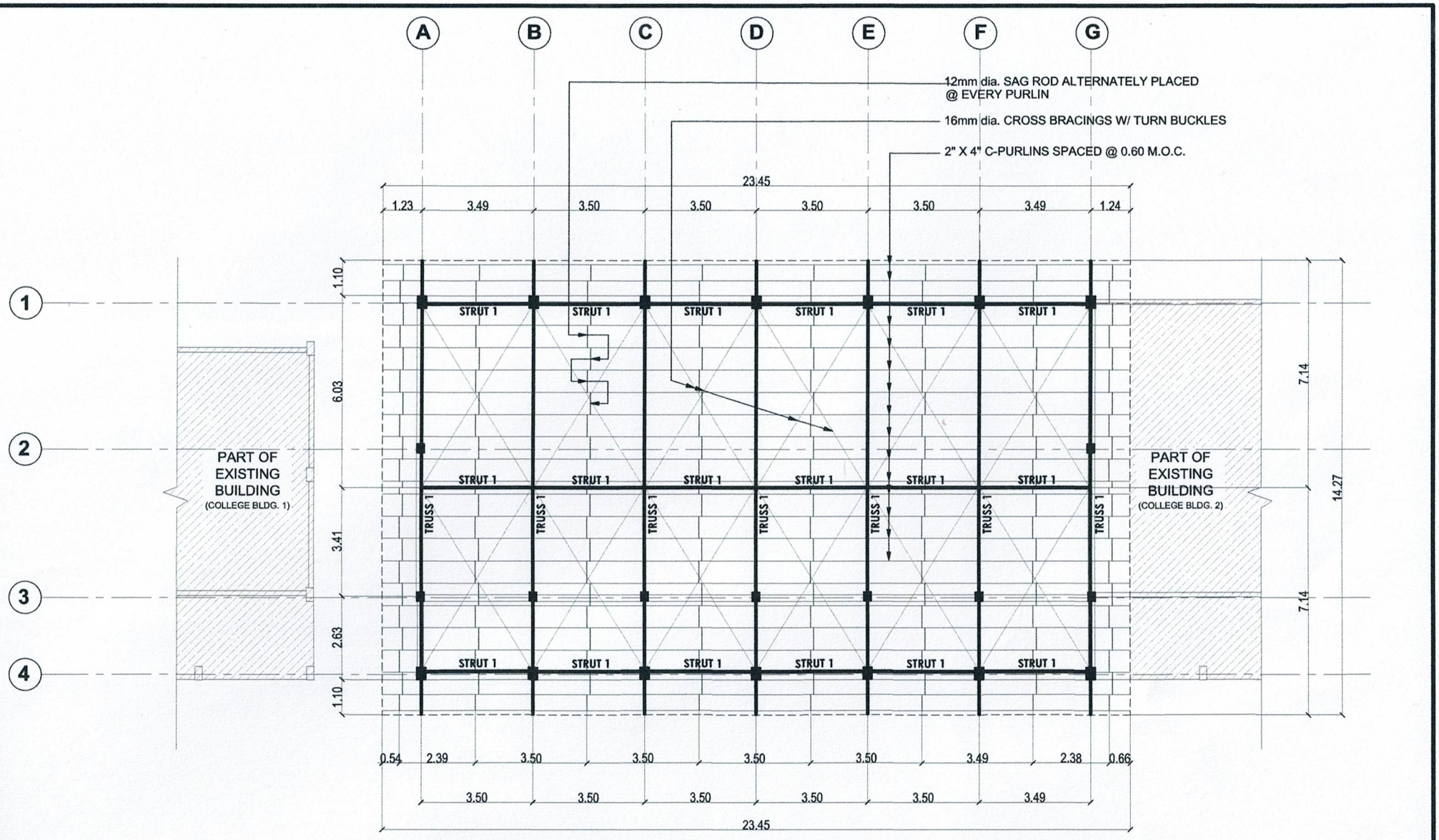



## S3 / S-1 ROOF BEAM PLAN

SCALE 1: 120 M.

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|---|---|---|---|---|---|---|---|---|---|
| TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | ROOF BEAM PLAN | AutoCAD by: |
| PTR: | | | | | | | | | Date Started: |
| Date: | | | | | | | | | Date Finished: |
| Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: |

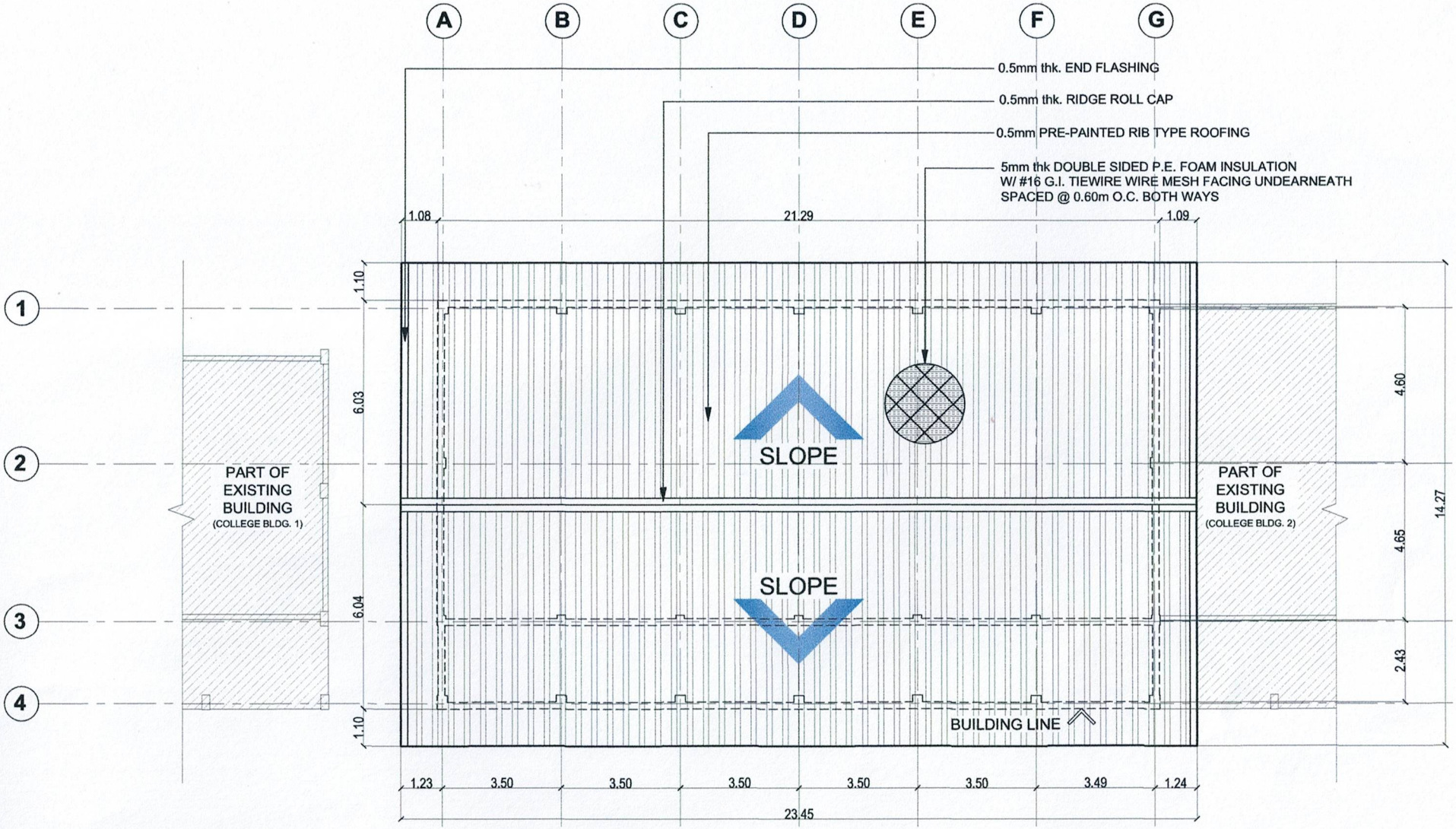
S3 01 SHEET NO. 13 30




# S4 / S-1 ROOF FRAMING PLAN

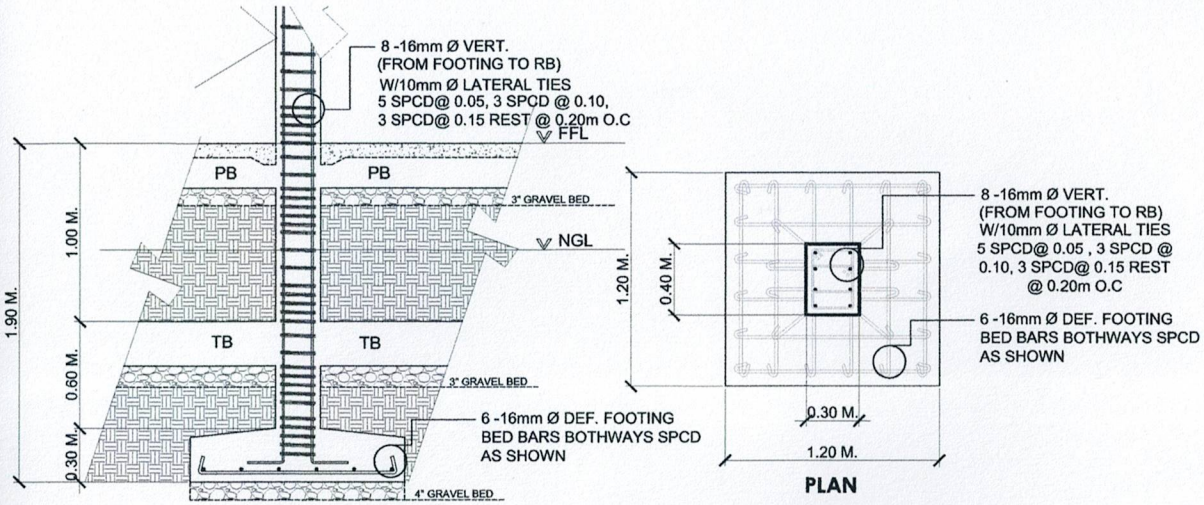
SCALE 1: 120 M.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: | S4 01 |
| PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | ROOF FRAMING PLAN | AutoCAD by: | |
| PTR: | | | | | | | | | Date Started: | SHEET NO. |
| Date: | | | | | | | | | Date Finished: | 14 30 |
| Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: | |



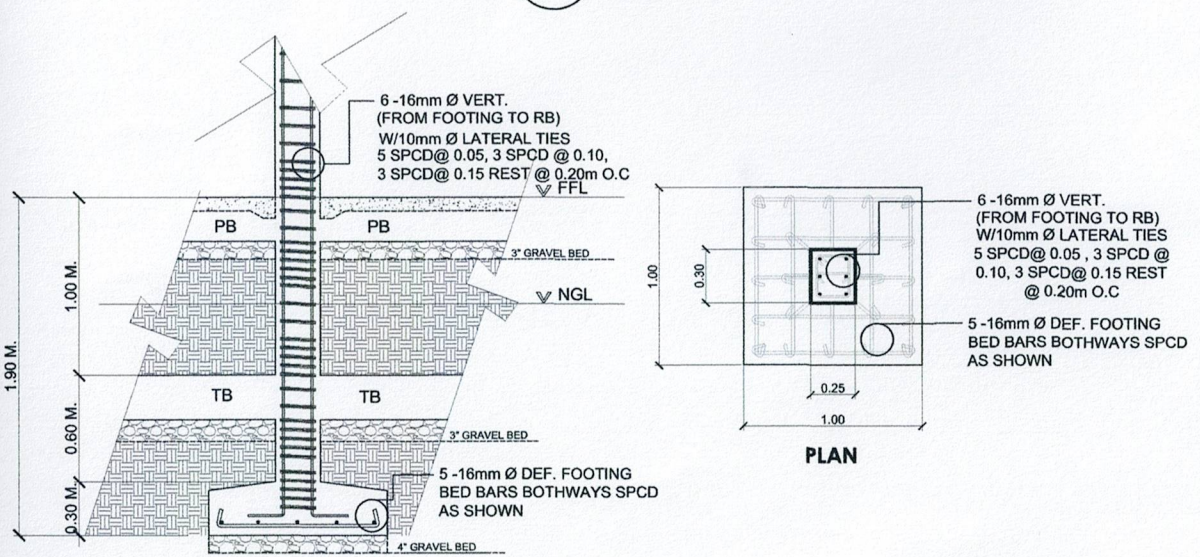

**S5 / S-1 ROOF PLAN**
SCALE 1: 150 M.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| VSU TOLOSA | TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: | S5 01 |
| | PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | ROOF PLAN | AutoCAD by: | |
| | PTR: | | | | | | | | | Date Started: | SHEET NO. |
| | Date: | | | | | | | | | Date Finished: | 15 30 |
| | Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: | |



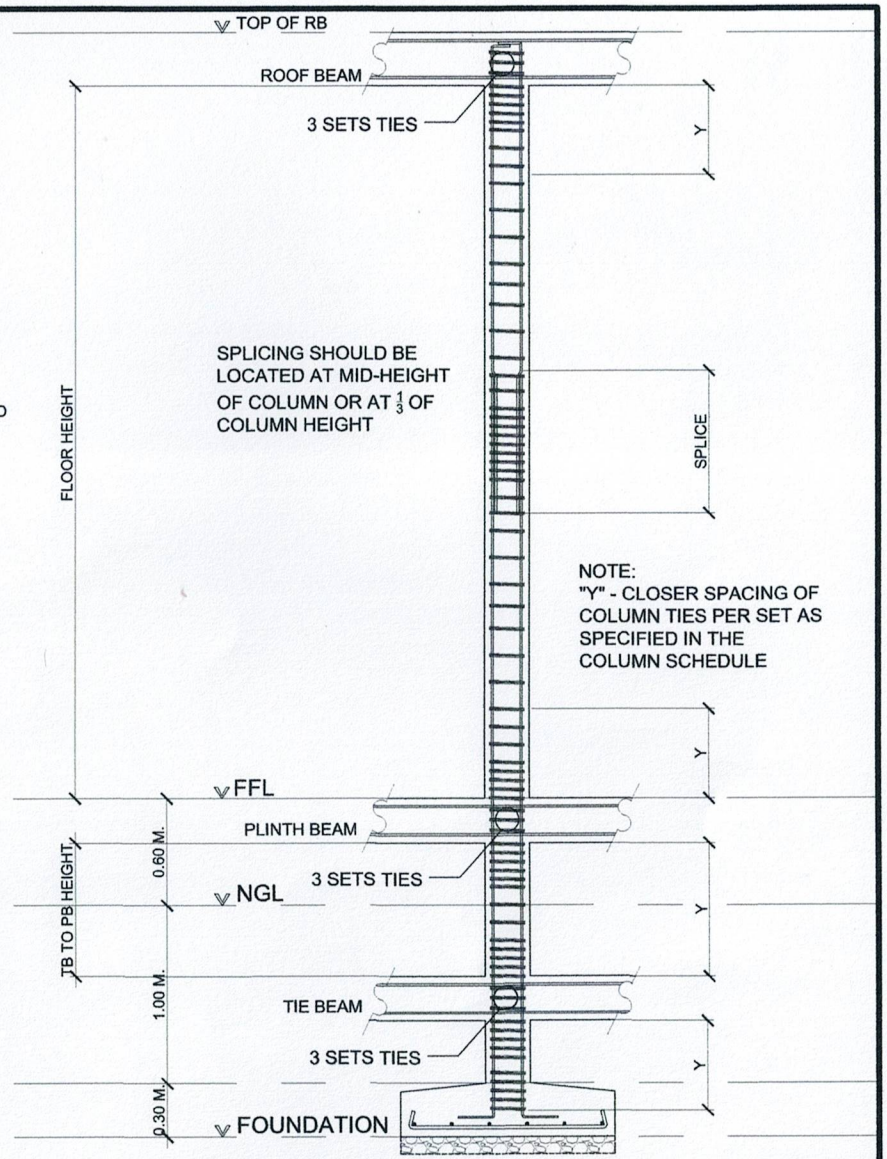

## S6 / S-1 COLUMN-FOOTING (C1F1) DETAILS

SCALE 1: 40 M.




## S6 / S-1 COLUMN-FOOTING (C2F2) DETAILS

SCALE 1: 40 M.




## S6 / S-1 TYPICAL DETAILS OF COLUMN FOOTING

SCALE 1: 15 M.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| VSU TOLOSA | TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| | PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | C1F1 DETAILS<br>C2F2 DETAILS<br>TYPICAL DETAILS OF COLUMN FOOTING | AutoCAD by: |
| | PTR: | | | | | | | | | Date Started: |
| | Date: | | | | | | | | | Date Finished: |
| | Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: |

S6 01
SHEET NO.
16 30

## SCHEDULE OF COLUMNS

Fc = 3,000 PSI
Fy = 40,000 PSI
Fvy = 33,000 PSI

| MARK | | SIZE (mm) L (LENGTH) | SIZE (mm) W (WIDTH) | STEEL REINFORCEMENT (mm) | BAR ARRANGEMENT | LATERAL TIES C-SHAPE | LATERAL TIES RECTANGLE | CONCRETE COVER (mm) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| FOUNDATION TO ROOF BEAM | C1 (COLUMN 1) | 400 | 300 | 8 - 16 mmØ VERTICAL RSB |  | N/A | 2-10 mmØ; 5 @ 50mm, 3 @ 100mm, 3 @ 150mm, REST @ 200mm O.C. UP TO H/2 | 40 | RECTANGLE |
| FOUNDATION TO ROOF BEAM | C2 (COLUMN 2) | 300 | 250 | 6 - 16 mmØ VERTICAL RSB |  | 10 mmØ; 5 @ 50mm, 3 @ 100mm, 3 @ 150mm, REST @ 200mm O.C. UP TO H/2 | | 40 | RECTANGLE |

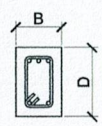
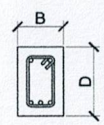
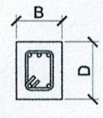
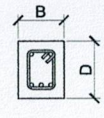
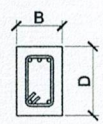
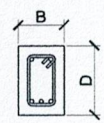
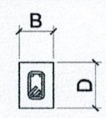
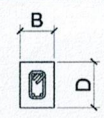
## SCHEDULE OF FOOTINGS

Concrete Fc' = 3,000 PSI
Rebar Fy = 40,000 PSI
Assumed Soil Allowable Bearing Capacity = 5,000 PSF

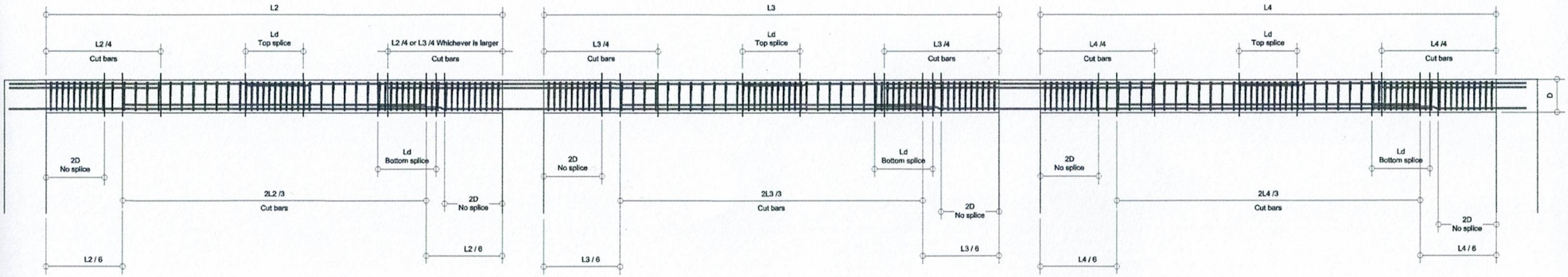
| MARK | SIZE (mm) L (LENGTH) | SIZE (mm) W (WIDTH) | SIZE (mm) T (THICKNESS) | STEEL REINFORCEMENT (mm) BAR "S" (PARALLEL TO SHORT ) | STEEL REINFORCEMENT (mm) BAR "L" (PARALLEL TO LONG ) | DEPTH OF EXCAVATION, H (mm) | CONCRETE COVER (mm) | REMARKS |
|---|---|---|---|---|---|---|---|---|
| F1 (FOOTING 1) | 1200 | 1200 | 300 | 6 - 16 mmØ | 6 - 16 mmØ | 1550 ± | 75 | SQUARE |
| F2 (FOOTING 2) | 1000 | 1000 | 300 | 5 - 16 mmØ | 5 - 16 mmØ | 1550 ± | 75 | SQUARE |

## SCHEDULE OF BEAMS

Fc = 3,000 PSI
Fy = 40,000 PSI
Fvy = 33,000 PSI

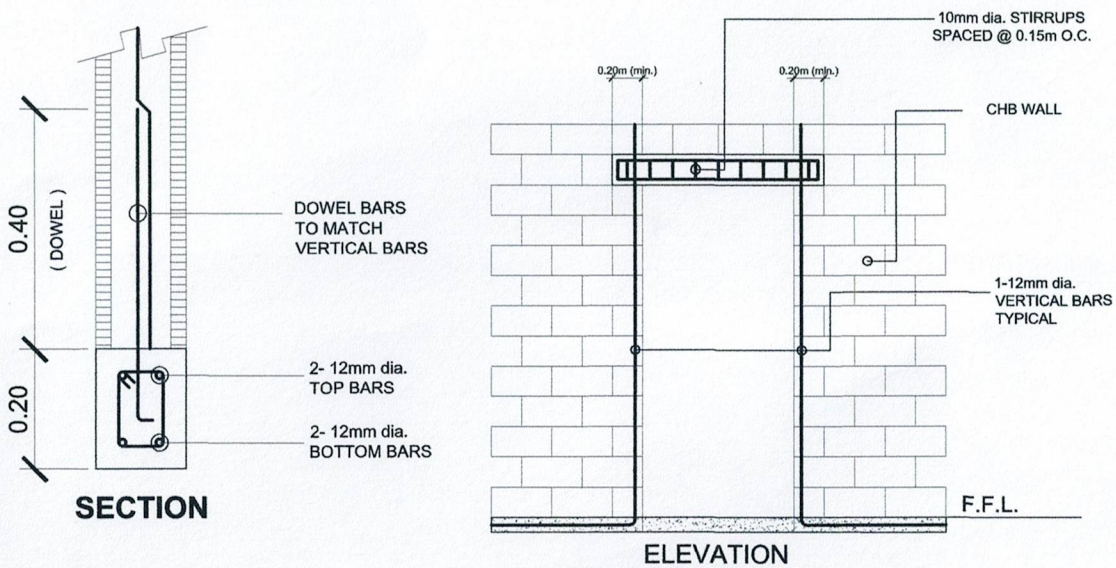
| MARK | SIZE (mm) D (DEPTH) | SIZE (mm) B (WIDTH) | STEEL REINFORCEMENT (mm) @ SUPPORT TOP | @ SUPPORT BOTTOM | @ SUPPORT STIFFENER | @ MID - SPAN TOP | @ MID - SPAN BOTTOM | @ MID - SPAN STIFFENER | BAR ARRANGEMENT @ SUPPORT | BAR ARRANGEMENT @ MID - SPAN | STIRRUPS | CONCRETE COVER (mm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TB (TIE BEAM) | 300 | 200 | 3 - 16Ø | 2 - 16Ø | NONE | 2 - 16Ø | 3 - 16Ø | NONE |  |  | 10 mmØ; 3 @ 50mm, 4 @ 100mm, 6 @ 150mm, REST @ 200mm O.C. UP TO MID-SPAN | 40 |
| PB (PLINTH BEAM) | 250 | 200 | 3 - 16Ø | 2 - 16Ø | NONE | 2 - 16Ø | 3 - 16Ø | NONE |  |  | 10 mmØ; 3 @ 50mm, 4 @ 100mm, 6 @ 150mm, REST @ 200mm O.C. UP TO MID-SPAN | 40 |
| RB (ROOF BEAM) | 300 | 200 | 3 - 16Ø | 2 - 16Ø | NONE | 2 - 16Ø | 3 - 16Ø | NONE |  |  | 10 mmØ; 3 @ 50mm, 4 @ 100mm, 6 @ 150mm, REST @ 200mm O.C. UP TO MID-SPAN | 40 |
| LB (LINTEL BEAM) | 200 | 150 | 2 - 12Ø | 2 - 12Ø | NONE | 2 - 12Ø | 2 - 12Ø | NONE |  |  | 10 mmØ; @ 150mm O.C. UP TO MID-SPAN | 40 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: | S7 02 |
| PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | SCHEDULE OF FOOTINGS<br>SCHEDULE OF COLUMNS<br>SCHEDULE OF BEAMS | AutoCAD by: | SHEET NO. |
| PTR: | | | | | | | | | Date Started: | 17 30 |
| Date: | | | | | | | | | Date Finished: | |
| Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: | |



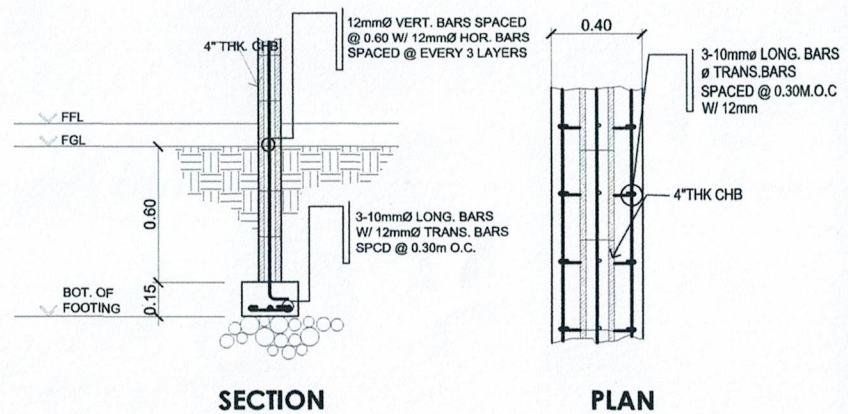

## S8 / S-1 TYPICAL SECTION OF BEAMS

SCALE 1: 15 M.




## S8 / S-2 TYPICAL DETAIL OF LINTEL BEAM @ CHB WALL OPENING (LB)

SCALE 1: 40 M.

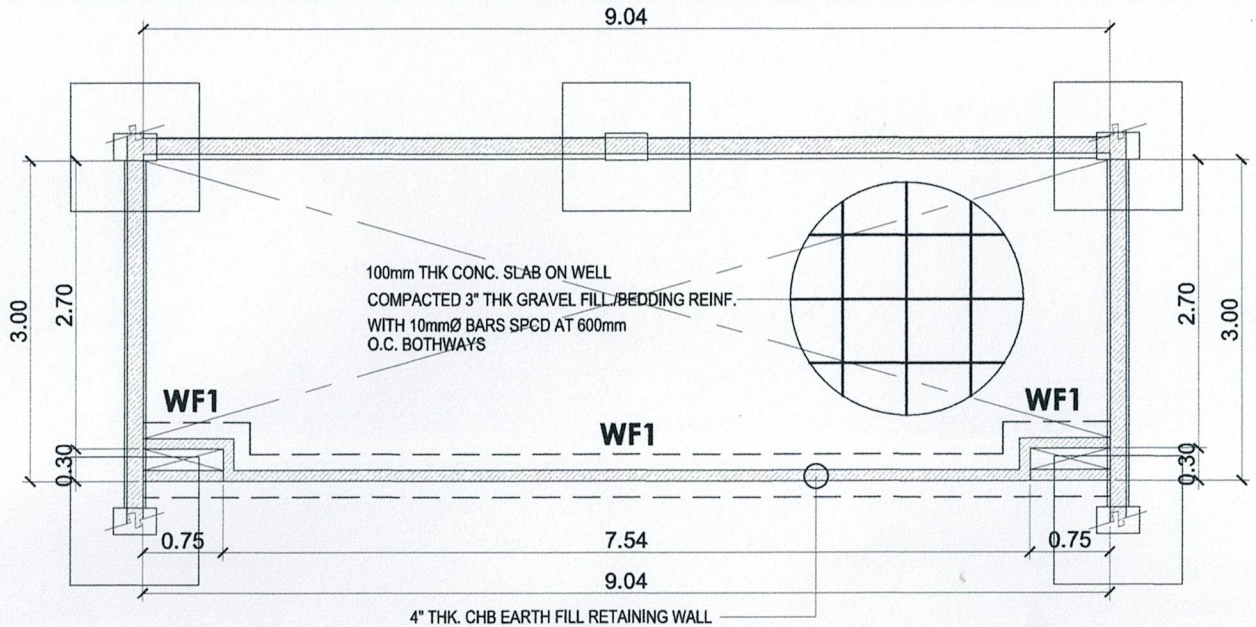



## S8 / S-3 DETAIL OF CHB WALL FOOTING

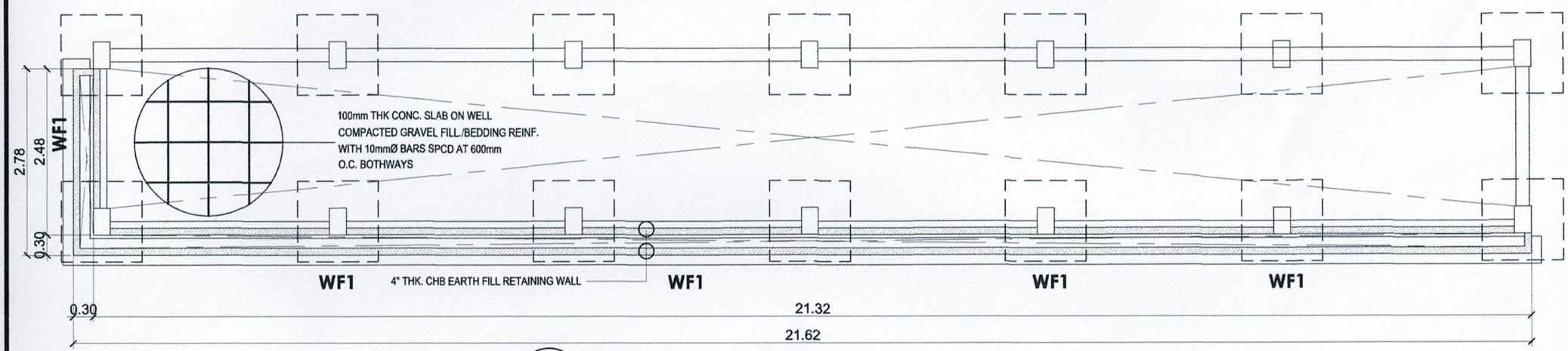
SCALE 1: 30 M.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| VSU TOLOSA | TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| | PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | TYPICAL SECTION OF BEAMS | AutoCAD by: |
| | PTR: | | | | | | | | TYPICAL DETAIL OF LINTEL BEAM @ CHB WALL OPENING (LB) | Date Started: |
| | Date: | | | | | | | | DETAIL OF CHB WALL FOOTING | Date Finished: |
| | Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSO | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: |

S8 03 | SHEET NO. 18 30



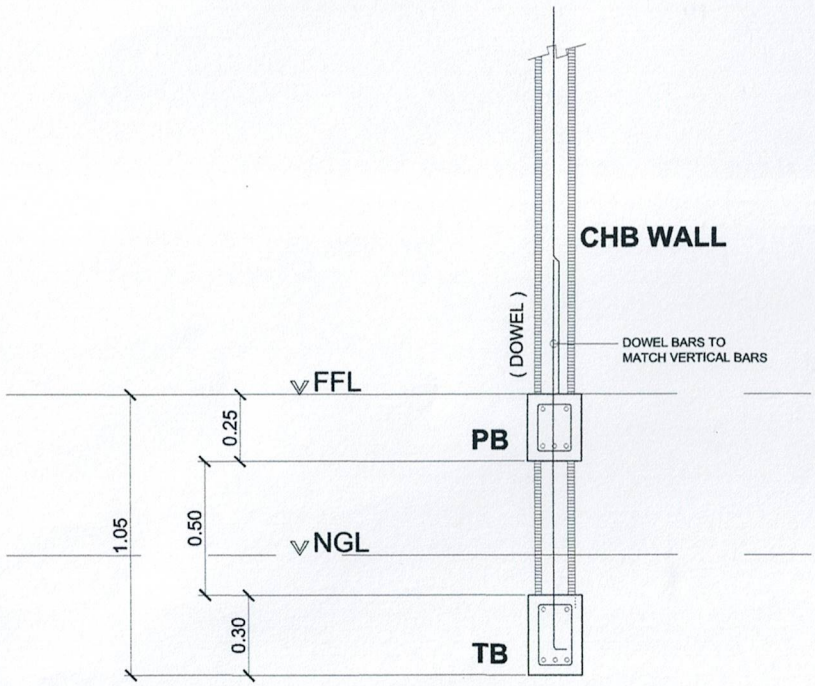

**S9 / S-1 LABORATORY INTERIOR STAGE FOUNDATION PLAN**
SCALE 1: 50 M.



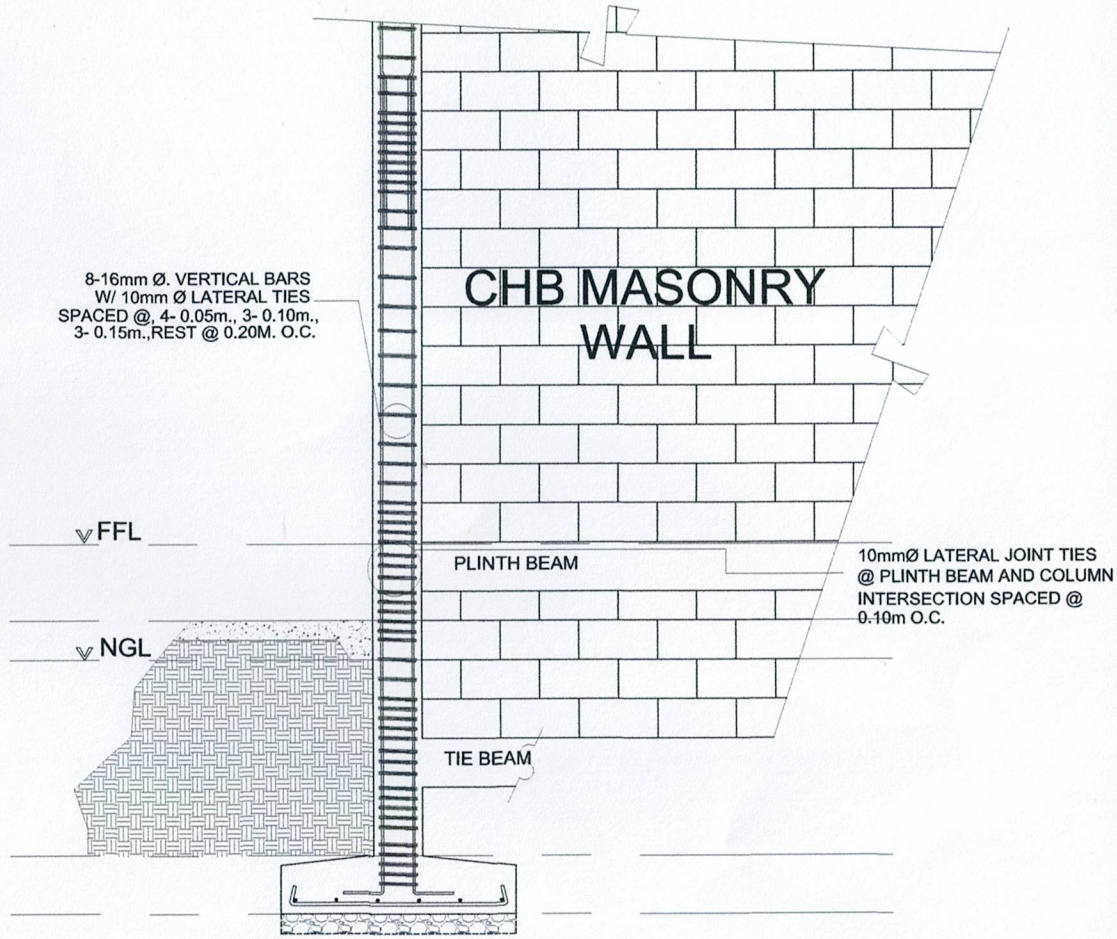

**S9 / S-2 EXTERIOR CORRIDOR FOUNDATION PLAN**
SCALE 1: 60 M.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | LABORATORY INTERIOR STAGE FOUNDATION PLAN<br>EXTERIOR CORRIDOR FOUNDATION PLAN | AutoCAD by: |
| PTR: | | | | | | | | | Date Started: |
| Date: | | | | | | | | | Date Finished: |
| Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: |

S9 02
SHEET NO.
19 30



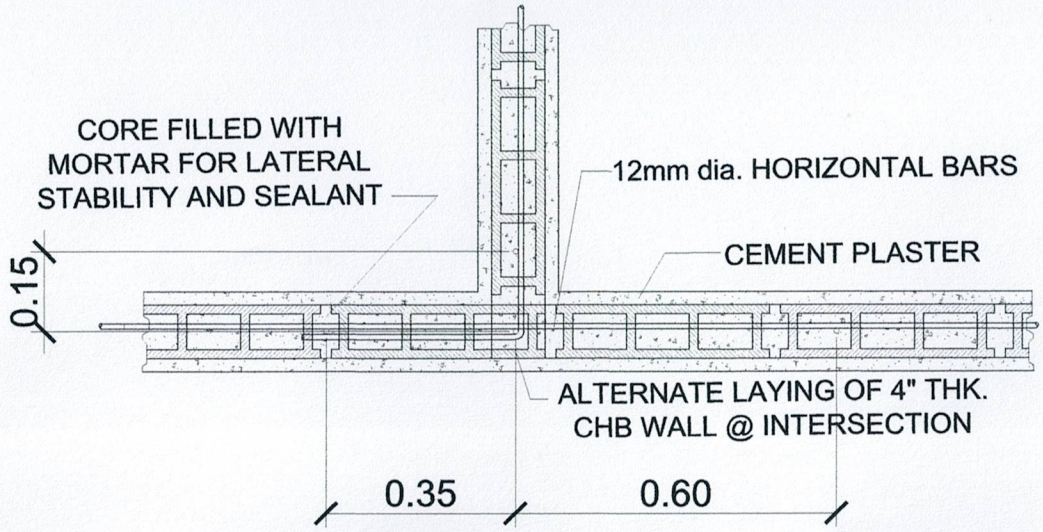

**S10 / S-1** DETAIL OF MASONRY WALL FOOTING
SCALE 1: 30 M.



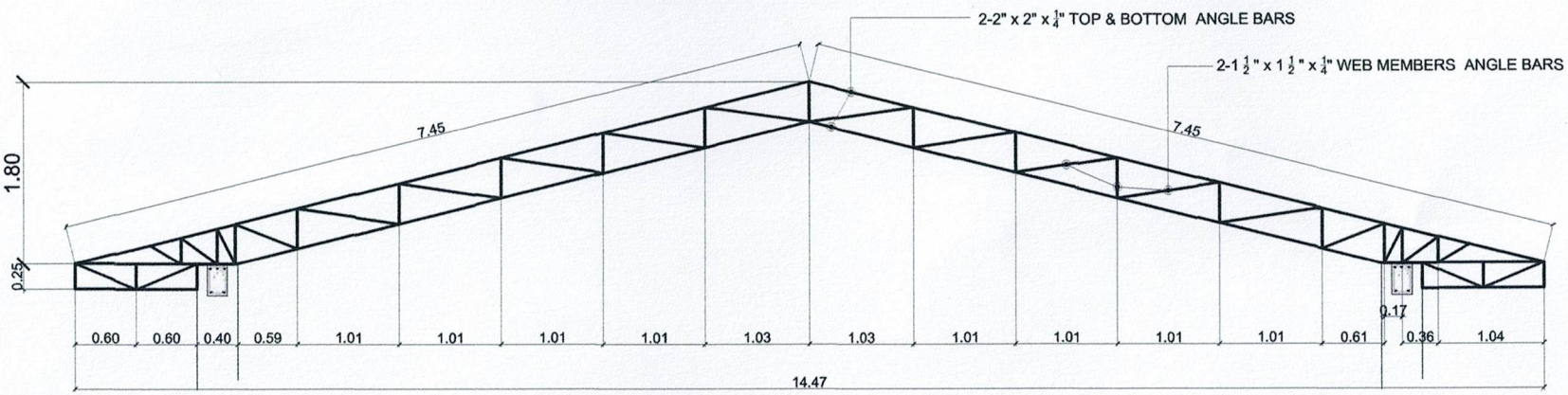

**S10 / S-2** SECTION DETAIL OF CHB WALL ON TOP OF BEAM
SCALE NTS

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| VSU TOLOSA | TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| | PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | DETAIL OF MASONRY WALL FOOTING | AutoCAD by: |
| | PTR: | | | | | | | | SECTION DETAIL OF CHB WALL ON TOP OF WALL FOOTING | Date Started: |
| | Date: | | | | | | | | | Date Finished: |
| | Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: |

S10 02
SHEET NO.
20 30

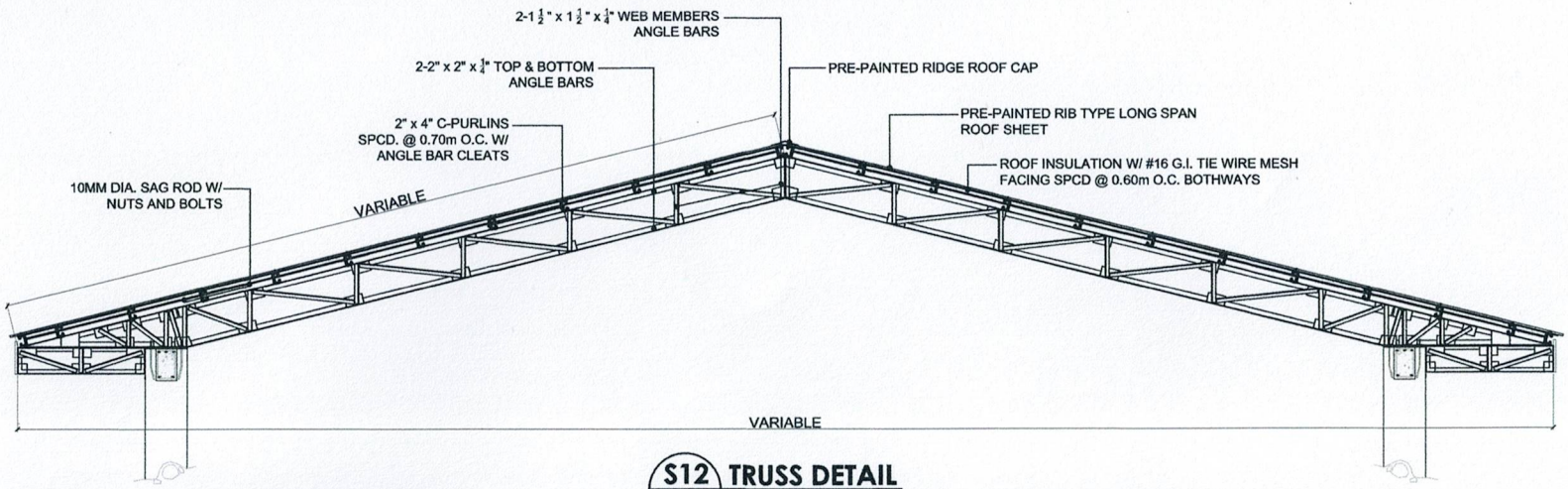



**S11 / S-1 DETAIL OF CHB MASONRY WALL INTERSECTION**
SCALE 1: 10 M.

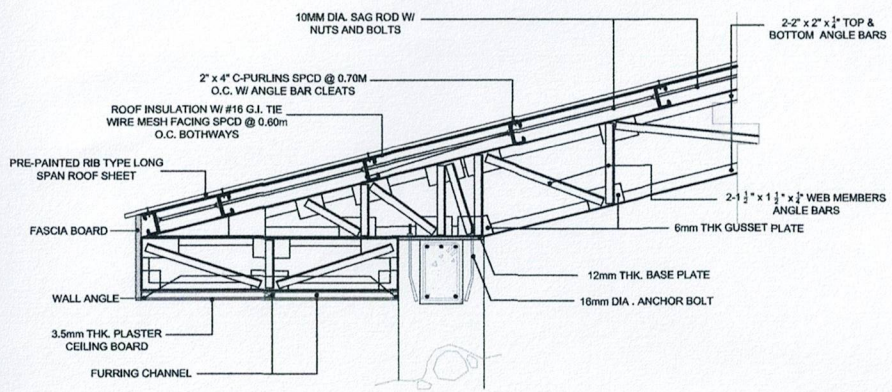



**S11 / S-2 TRUSS DIAGRAM**
SCALE 1: 50 M.

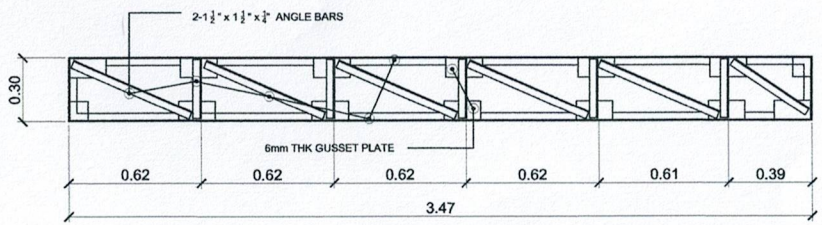
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| TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: | S11 02 |
| PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | DETAIL OF CHB MASONRY WALL INTERSECTION<br>TRUSS DIAGRAM | AutoCAD by: | |
| PTR: | | | | | | | | | Date Started: | SHEET NO. |
| Date: | | | | | | | | | Date Finished: | 21 30 |
| Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: | |



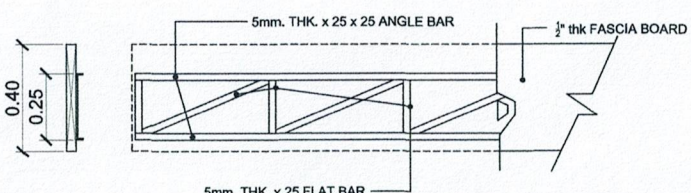

**S12 / S-1 TRUSS DETAIL**
SCALE 1: 50 M.




**S12 / S-2 DETAIL OF EAVES**
SCALE 1: 25 M.

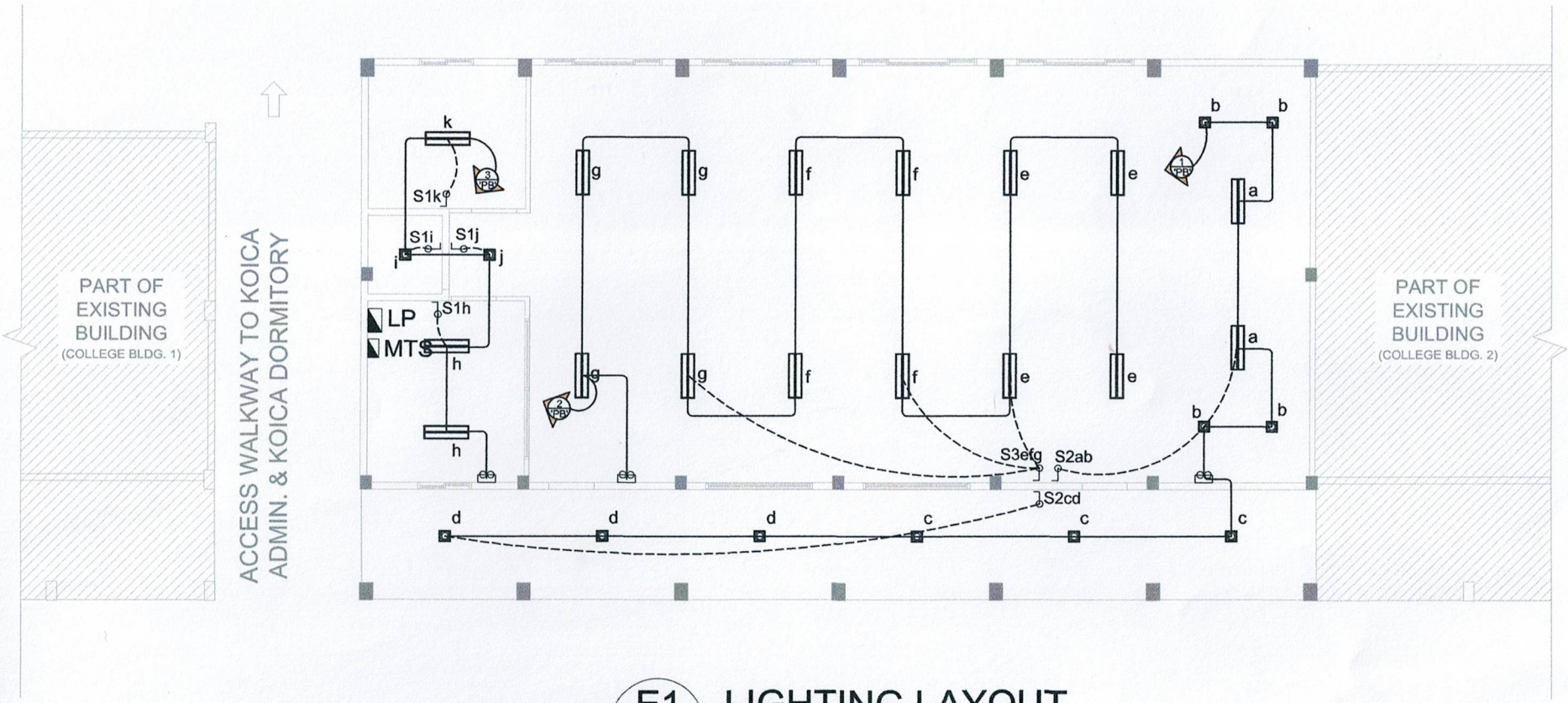



**S12 / S-3 LATERAL TRUSS DETAILS**
SCALE 1: 20 M.




**S12 / S-4 STEEL FACIA FRAME DETAIL**
SCALE 1: 20 M.

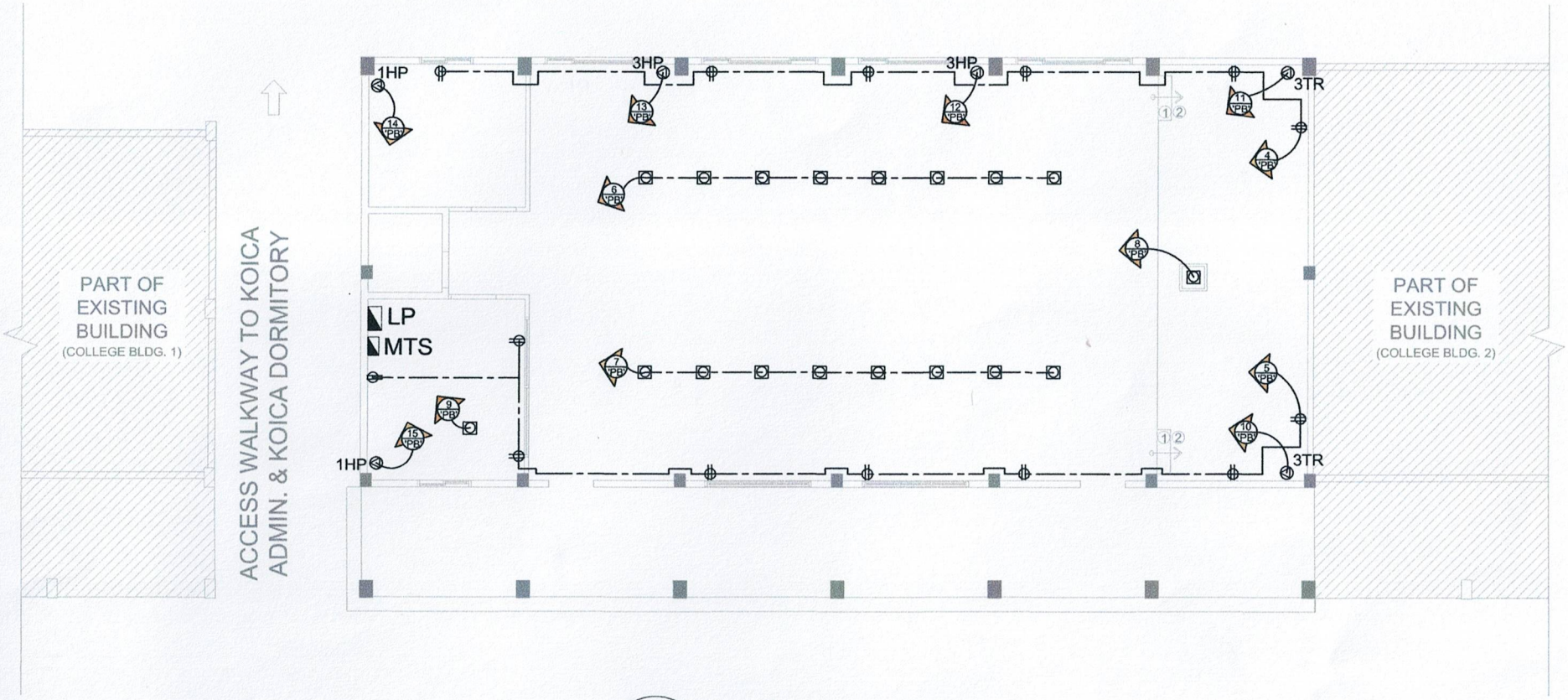
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| PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | TRUSS DETAIL<br>DETAIL OF EAVES<br>STEEL FASCIA FRAME DETAIL | AutoCAD by: | |
| PTR: | | | | | | | | | Date Started: | SHEET NO. |
| Date: | | | | | | | | | Date Finished: | 22 30 |
| Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: | |




# E1 / E-1 LIGHTING LAYOUT

SCALE 1:150 M

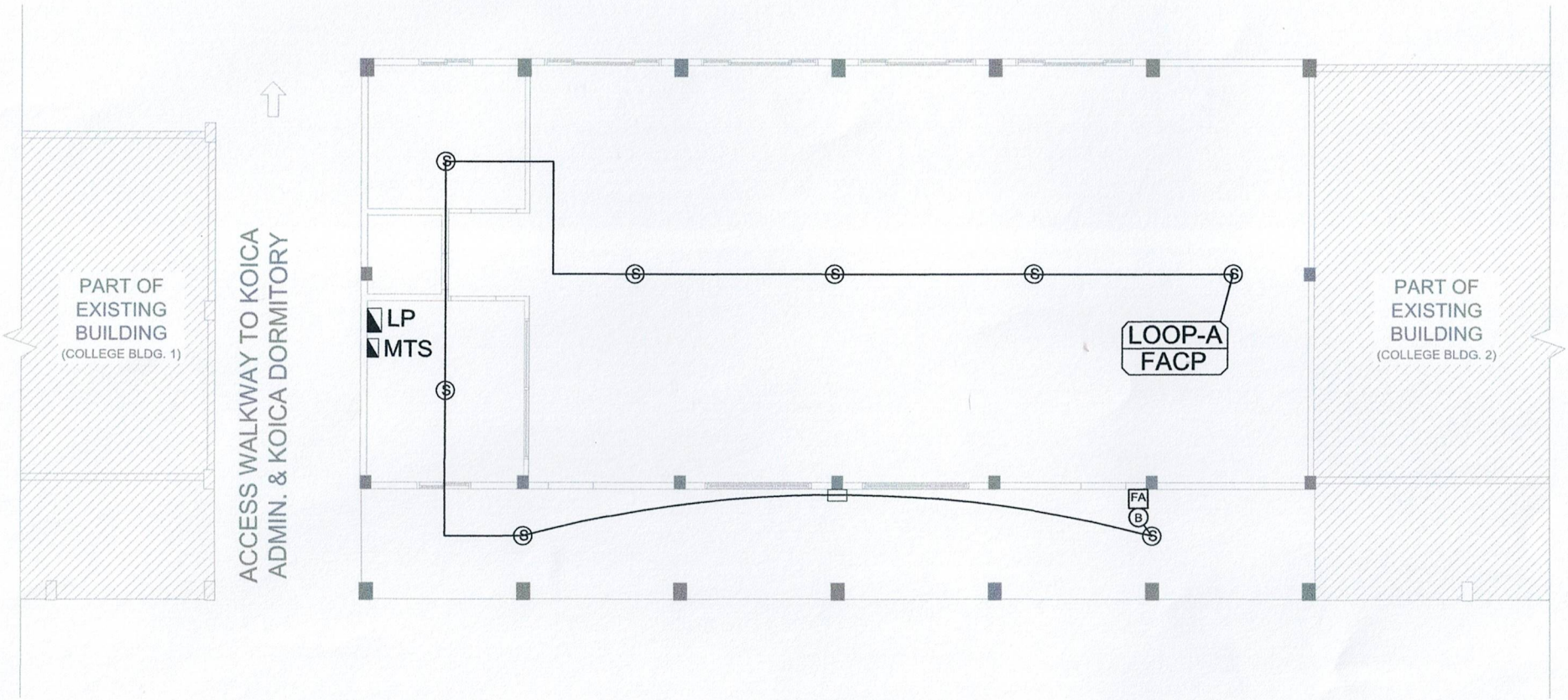
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| TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: | E1 01 |
| PRC: 0059366 | Engr. CLINT SARVIDA | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | LIGHTING LAYOUT | AutoCAD by: | |
| PTR: | | | | | | | | | Date Started: | SHEET NO. |
| Date: 30 SEP 2015 | | | | | | | | | Date Finished: | 23 30 |
| Place: ORMOC CITY | Electrical Engineer | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: | |




# E2 / E-1 POWER LAYOUT

SCALE 1:150 M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: | E2 01 |
| PRC: 0059366 | Engr. CLINT SARVIDA | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | POWER LAYOUT | AutoCAD by: | SHEET NO. |
| PTR: | | | | | | | | | Date Started: | 24 30 |
| Date: 30 SEP 2015 | | | | | | | | | Date Finished: | |
| Place: ORMOC CITY | Electrical Engineer | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: | |




# E3 / E-1 FIRE ALARM LAYOUT

SCALE 1:150 M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| VSU TOLOSA | TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| | PRC: 0059366 | Engr. CLINT SARVIDA | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | FIRE ALARM LAYOUT | AutoCAD by: |
| | PTR: | | | | | | | | | Date Started: |
| | Date: 30 SEP 2015 | | | | | | | | | Date Finished: |
| | Place: ORMOC CITY | Electrical Engineer | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: |

E3 01 — SHEET NO. 25 30

## E4 / E-1 GENERAL NOTES
NOT TO SCALE

1. ALL ELECTRICAL WORKS SHALL COMPLY IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC). THE RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITY AND THE REQUIREMENTS OF THE LOCAL POWER COMPANY. THE ELECTRICAL WORKS SHALL BE UNDER IMMEDIATE SUPERVISION OF A DULLY REGISTERED ELECTRICAL ENGINEER.
2. THE ELECTRICAL SERVICE POWER IS 3 - PHASE, 3 WIRE + GROUND 230 V AC, 60Hz.
3. WIRING METHOD SHALL BE AS FOLLOWS :
   a. FEEDERS AND RISERS - RIGID STEEL CONDUIT
   b. LIGHTING, POWER RECEPTACLE
      BRANCH CKT., & AUXILLARY - POLYVINYL CHLORIDE CONDUIT
4. ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THHN" UNLESS OTHERWISE INDICATED IN THE PLAN. THE MINIMUM SIZE OF WIRE FOR POWER AND LIGHTING CIRCUIT HOMERUN SHALL BE 3.5 mm AND INSULATED FOR 600 VOLTS. SMALLEST RACEWAY SHALL BE 15 mm2 TRADE/NOMINAL SIZE. LIKEWISE ALL ELECTRICAL WIRES SHALL BE COLOR CODED.
5. ALL OUTLET BOXES SHALL BE GALVANIZED GAGE NO. 16 DEEP TYPE WITH FACTORY KNOCKOUTS.
6. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE OF USAGE.
7. EQUIPMENT GROUNDING SYSTEM SHALL BE PROVIDED TO ELECTRICAL SYSTEM AS PER ELECTRICAL CODE REQUIREMENT.
8. MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS :

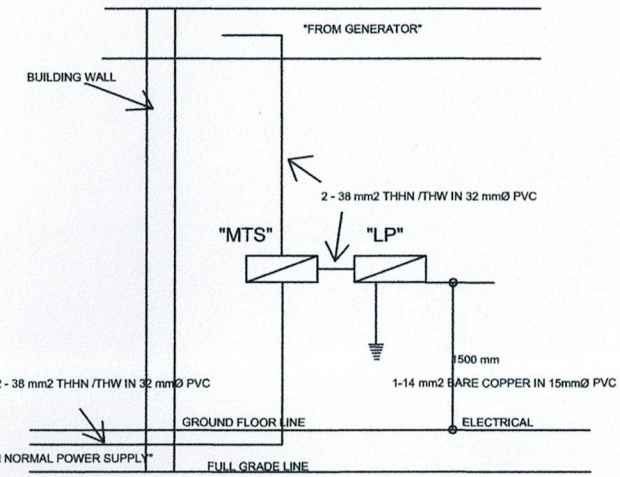
| | |
|---|---|
| a. LIGHT SWITCH | - 1.20 M ABOVE FINESHED FLOOR |
| b. CONVENIENCE OUTLET | - 0.30 M ABOVE FINISHED FLOOR |
| c. PANELBOARD | - 1.80 M ABOVE FINISHED FLOOR |
| d. FIRE ALARM STATION OUTLET | - 1.50 ABOVE FINISHED FLOOR |
| e. PUSH BOTTON OUTLET | - 1.20 M ABOVE FINISHED FLOOR |
| f. FIRE ALARM AND VIBRATING BELL | - 0.30 M BELOW CEILING LINE |
| g. ABOVE THE COUNTER RECEPTACLE OUTLETS | - 0.25 M ABOVE THE COUNTER |
| h. ACCU(3-TONNNER) OUTLETS | - 1.8M ABOVE FINISH FLOOR |

## E4 / E-2 ELECTRICAL LEGEND
NOT TO SCALE

- 2–BULB 28W T8 SLIM TYPE FLUORESCENT LAMP W/ REFLECTOR
- 28W T5 SLIM TYPE FLUORESCENT LAMP
- 1–BULB 7W DOWNLIGHT
- BATTERY POWERED EMERGENCY LIGHT
- RECEPTACLE OUTLET WITH GROUND PRONG
- AIRCONDITION UNIT (ACU)
- MAIN DISTRIBUTION PANEL
- MAIN KILOWATT HOUR METER (M)
- BRANCH CIRCUIT HOME RUN

- LIGHT CIRCUIT HOME RUN
- SWITCH RUN
- CONVENIENCE OUTLET CIRCUIT HOME RUN
- S1 SINGLE POLE WALL SWITCH
- S2 DUPLEX SWITCH, 2 SINGLE POLE SWITCHES
- S3 TRIPLEX SWITCH, 3 SINGLE POLE SWITCHES
- 3WS2 THREE WAY SWITCH, 2 SINGLE POLE SWITCHES

## E4 / E-3 RISER DIAGRAM
NOT TO SCALE




## E4 / E-4 SCHEDULE OF LOADS
NOT TO SCALE

PROJECT NAME: CONSTRUCTION OF SPEECH LAB. BLDG.
ADDRESS: VSU, TOLOSA CAMPUS
PANEL NAME: LP
ENCLOSURE: NEMA 3R WITH GROUNDING TERMINATOIN
LOAD CONFIGURATION: SINGLE PHASE WITH L1 & N
SYSTEM : SINGLE PHASE, TWO WIRE
VOLTAGE: 240 VOLTS
FREQUENCY: 60 HZ

WIRE COLOR CODING :
L1- BLACK
N- WHITE
G- GREEN

| CKT. NO. | LOAD DESCRIPTION | LOAD (VA) | CURRENT (A) | OVERCURRENT PROTECTION (INVERSE TIME DELAY) AT | AF | P | KAIC | TYPE | WIRES ( THHN/THW ) SETS | PHASE | EGC | CONDUITS (PVC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | LIGHTING OUTLET | 672 | 2.92 | 20 | 50 | 2 | 8 | MCCB | 1 | 3.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 2 | LIGHTING OUTLET | 672 | 2.92 | 20 | 50 | 2 | 8 | MCCB | 1 | 3.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 3 | LIGHTING OUTLET | 280 | 2.92 | 20 | 50 | 2 | 8 | MCCB | 1 | 3.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 4 | RECEPTACLE OUTLET | 1080 | 4.7 | 20 | 50 | 2 | 8 | MCCB | 1 | 3.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 5 | RECEPTACLE OUTLET | 1440 | 6.26 | 20 | 50 | 2 | 8 | MCCB | 1 | 3.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 6 | PROVISION OUTLETS FOR DIGITAL STUDENT'S TERMINAL | 1440 | 6.26 | 20 | 50 | 2 | 8 | MCCB | 1 | 3.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 7 | PROVISION OUTLETS FOR DIGITAL STUDENT'S TERMINAL | 1440 | 6.26 | 20 | 50 | 2 | 8 | MCCB | 1 | 3.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 8 | PROVISION OUTLET FOR TEACHERS COMPUTER AND ETC. | 640 | 2.78 | 20 | 50 | 2 | 8 | MCCB | 1 | 3.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 9 | PROVISION OUTLET FOR CONTROL ROOM | 640 | 2.78 | 20 | 50 | 2 | 8 | MCCB | 1 | 3.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 10 | 3 TONNER ACU | 4071 | 17.70 | 30 | 50 | 2 | 8 | MCCB | 1 | 5.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 11 | 3 TONNER ACU | 4071 | 17.70 | 30 | 50 | 2 | 8 | MCCB | 1 | 5.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 12 | 3HP ACU | 3680 | 16.00 | 30 | 50 | 2 | 8 | MCCB | 1 | 5.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 13 | 3HP ACU | 3680 | 16.00 | 30 | 50 | 2 | 8 | MCCB | 1 | 5.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 14 | 1HP ACU | 1840 | 8 | 30 | 50 | 2 | 8 | MCCB | 1 | 5.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 15 | 1HP ACU | 1840 | 8 | 30 | 50 | 2 | 8 | MCCB | 1 | 5.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 16 | FIRE ALARM | 800 | 3.48 | 20 | 50 | 2 | 8 | MCCB | 1 | 3.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 17 | SPARE | 2880 | 4.35 | 20 | 50 | 2 | 8 | MCCB | 1 | 3.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| 18 | SPARE | 1500 | 6.52 | 20 | 50 | 2 | 8 | MCCB | 1 | 3.5 mm2 | 3.5 mm2 | 20 mm dia. | |
| | TOTAL | | | | | | | | | | | | |

COMPUTATION: MAIN FEEDER

*FLOOR AREA
=256.53m²
GENERAL LIGHTING
256.53m²X 24VA/m² =6156.77VA
SMALL APPLIANCES
1500VA X 7CKT = 12000VA
18156.77VA
APPLICATION DEMAND FACTOR
3000VA X 100% = 3000VA
Remainder:
(subtotal (a) – 3000 ) *35%
18156.77VA– 3000 x 35% = 5304.87VA
SUBTOTAL 1 = 8304.87VA

OTHER LOAD

| DESCRIPTION | QTY | RATING | DEMAND KW/AMP | COMPUTATION VA/W | |
|---|---|---|---|---|---|
| ACU | 2 | 1840 | 8A | 2X8X230 | 3680VA |
| ACU | 2 | 3910 | 17A | 2X17X230 | 7820VA |
| 3TON ACU | 2 | 4071 | 17A | 2X17X230 | 7820VA |

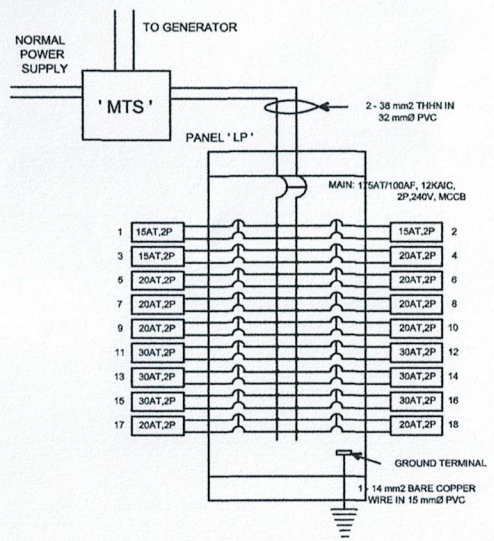
SUBTOTAL 2 =19320VA

TOTAL
8304.87VA + 19320VA = 27624.87VA/230V
=130A

SERVICE ENTRANCE CONDUCTOR
I TOTAL =130+ 25% X 17
=134.25A
* USE 2–60mm² THHN WIRE AS MAIN FEEDER + 1–5.5mm² COPPER GROUND WIRE 15mmø PVC PIPE
* MAIN CIRCUIT BREAKER
I TOTAL =130A + 2.5 X (17)–17
=155.5A

USE 175AT – 2P MAIN CIRCUIT BREAKER

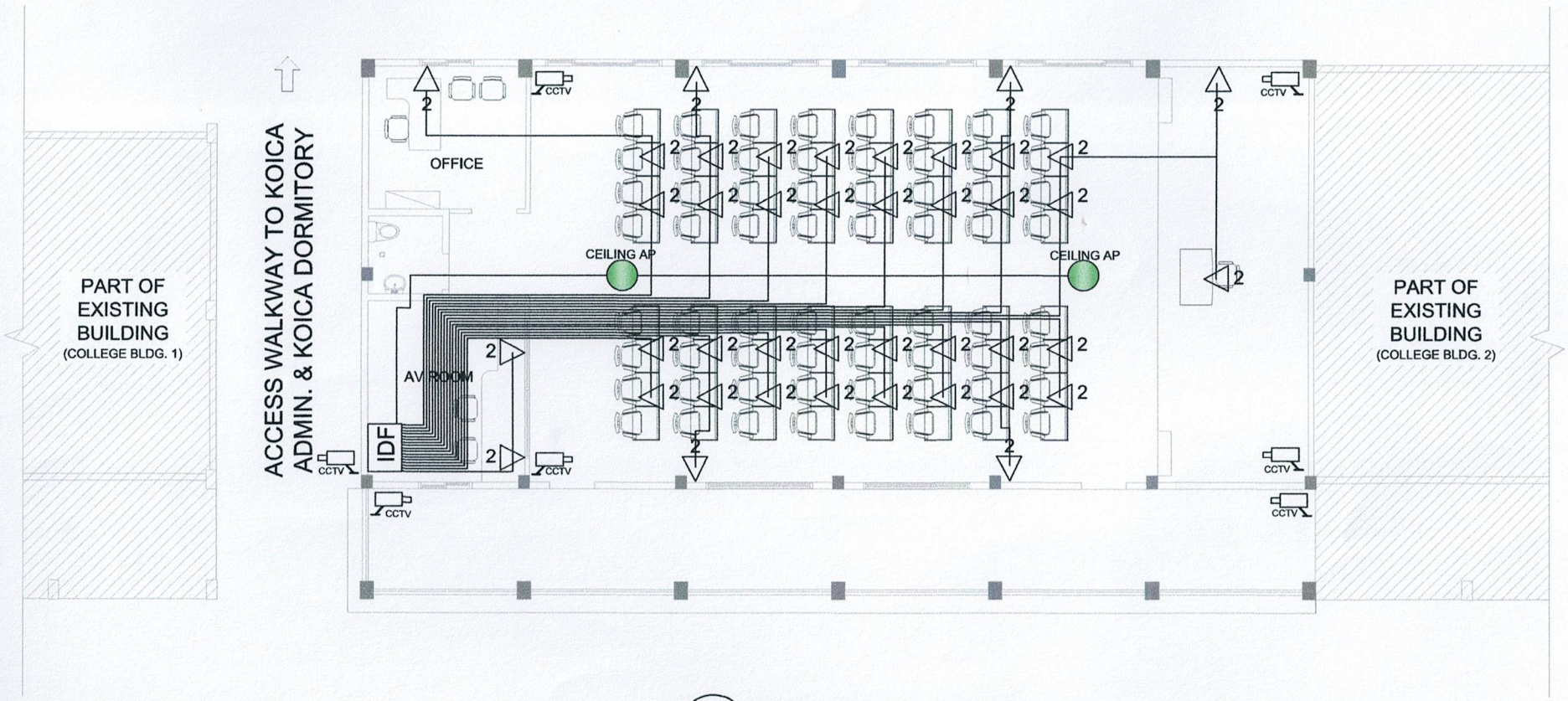
## E4 / E-5 SINGLE LINE DIAGRAM
NOT TO SCALE




| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| PRC: 0059366 | Engr. CLINT SARVIDA | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | GENERAL NOTES<br>ELECTRICAL LEGENDS<br>SCHEDULE OF LOADS<br>SINGLE LINE DIAGRAM<br>RISER DIAGRAM | AutoCAD by: |
| PTR: | | | | | | | | | Date Started: |
| Date: 30 SEP 2015 | | | | | | | | | Date Finished: |
| Place: ORMOC CITY | Electrical Engineer | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: |

E4 05 — SHEET NO. 26 30

| ICT SYMBOL/ LEGEND | |
|---|---|
| 2 | 2 - GANG LAN PORT |
| CCTV | CLOSED CIRCUIT TELEVISION (CCTV) |
| IDF | INTERMEDIATE DISTRIBUTION FRAME |
| CEILING AP | CELING ACCESS POINT (UNIFI) |




## I1 / I-1 ICT ROUGH-INS LAYOUT

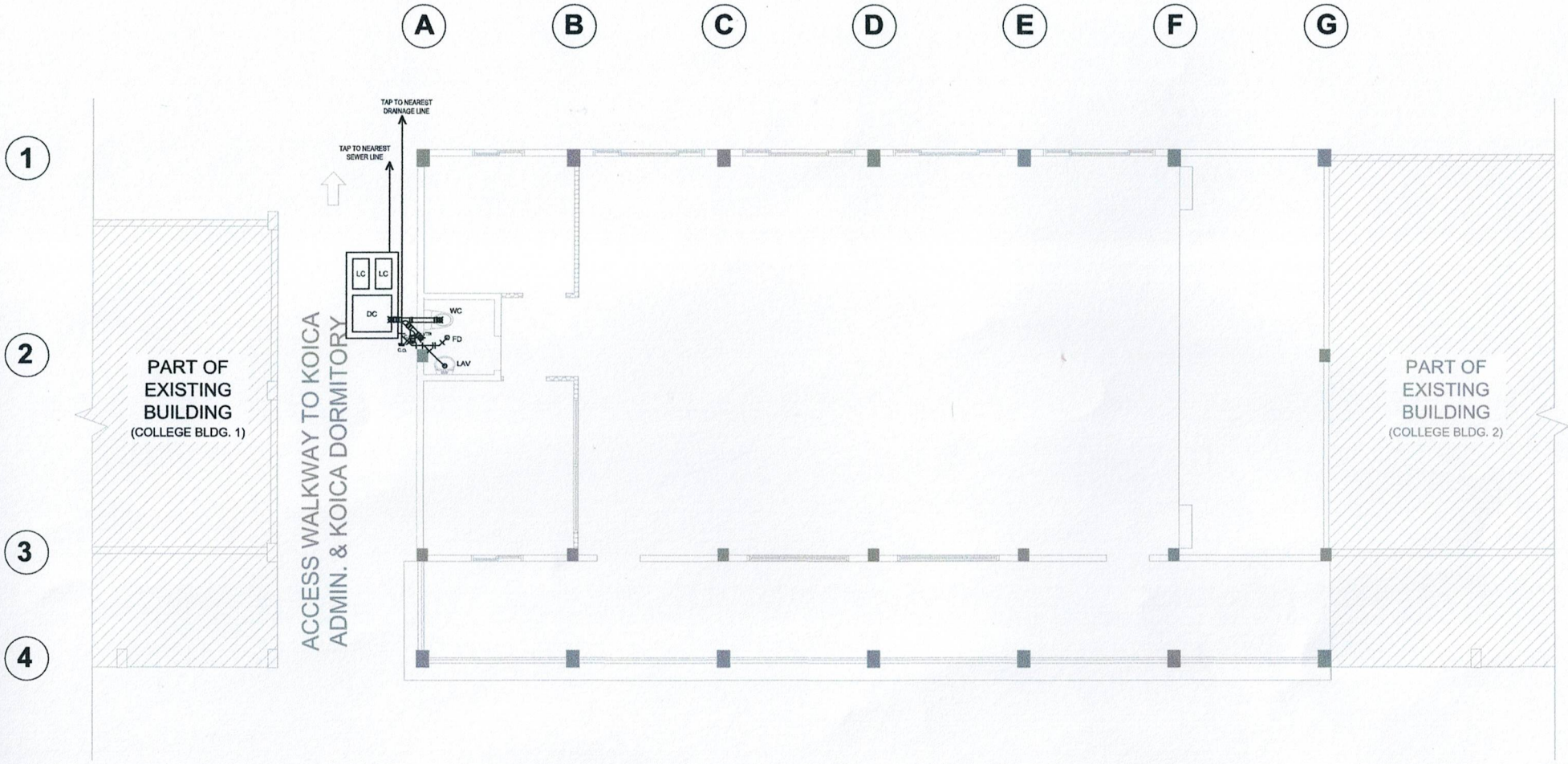
SCALE 1: 100 M.

MOUNTING HEIGHT OF CABLE DEVICES SHALL BE AS FOLLOWS :

| | |
|---|---|
| a. LAN PORT | - 0.30 M ABOVE FINISHED FLOOR |
| b. CCTV | - CEILING MOUNTED |
| c. ACCESS POINT(UNIFI) | - CEILING MOUNTED |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| VSU TOLOSA | TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| | PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | ICT LAYOUT | AutoCAD by: |
| | PTR: | | | | | | | | | Date Started: |
| | Date: | | | | | | | | | Date Finished: |
| | Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: |

I1 01
SHEET NO.
27 30



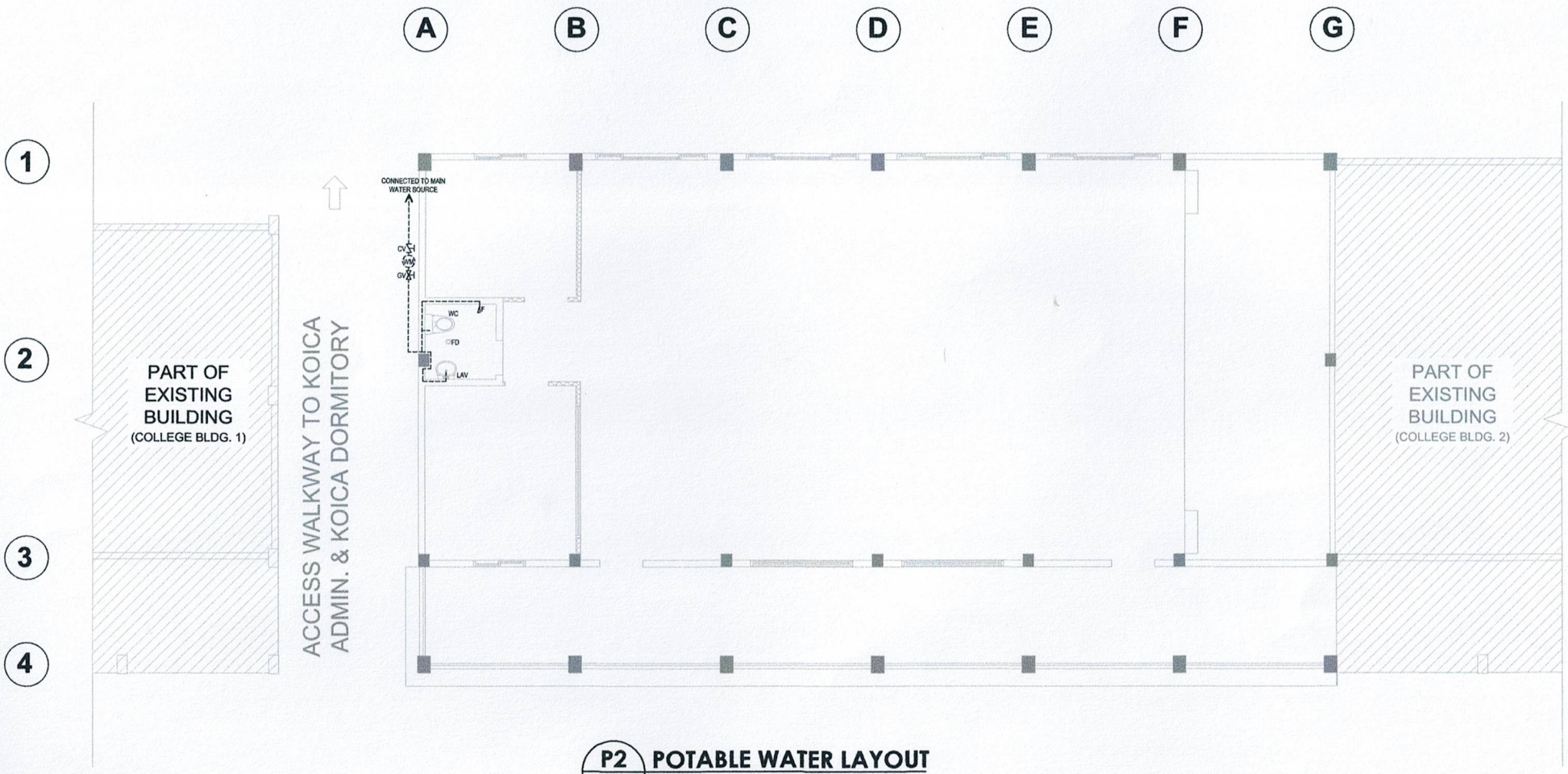

**P1 / P-1 SEWER AND STORM DRAINAGE LAYOUT**

SCALE 1: 120 M.

THIS PLAN IS DESIGNED FOR FUTURE DEVELOPMENT AND ADDITIONAL BUDGET ALLOCATION.

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| | PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | SEWER AND DRAINAGE LAYOUT | AutoCAD by: CAIT |
| | PTR: | | | | | | | | | Date Started: MAY 2023 |
| | Date: | | | | | | | | | Date Finished: JUN. 2023 |
| | Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: TOLOSA, LEYTE |

P1 01 | SHEET NO. 28 30

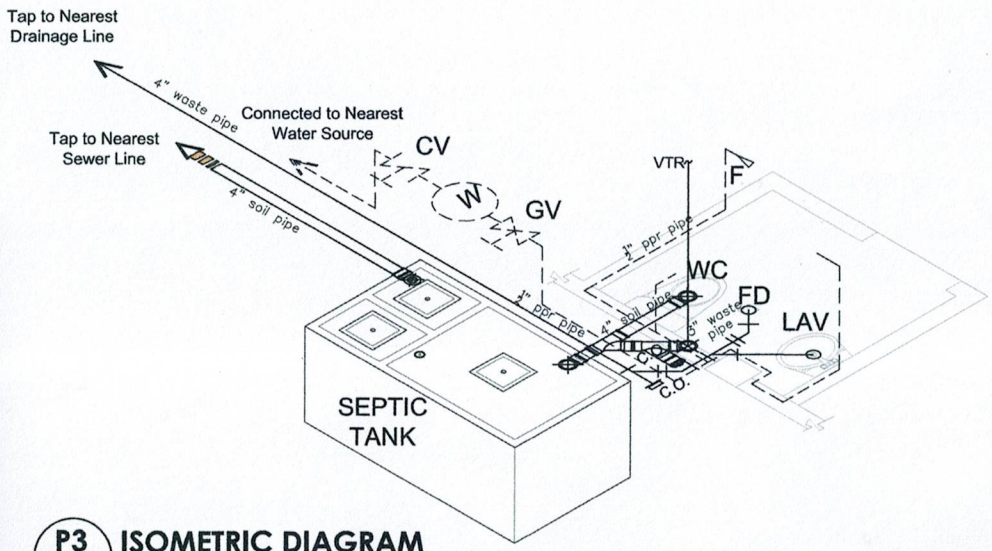



**P2 / P-1 POTABLE WATER LAYOUT**
SCALE 1: 120 M.

THIS PLAN IS DESIGNED FOR FUTURE DEVELOPMENT AND ADDITIONAL BUDGET ALLOCATION.

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| VSU TOLOSA | TIN: | Design by: | Project Title: | Noted by: | Checked by: | Checked by: | Conformed by: | Approved by: | SHEET CONTENTS: | CONCEPTED by: |
| | PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | POTABLE WATER LAYOUT | AutoCAD by: CAIT |
| | PTR: | | | | | | | | | Date Started: MAY 2023 |
| | Date: | | | | | | | | | Date Finished: JUN. 2023 |
| | Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: TOLOSA, LEYTE |

P2 01
SHEET NO.
29 30



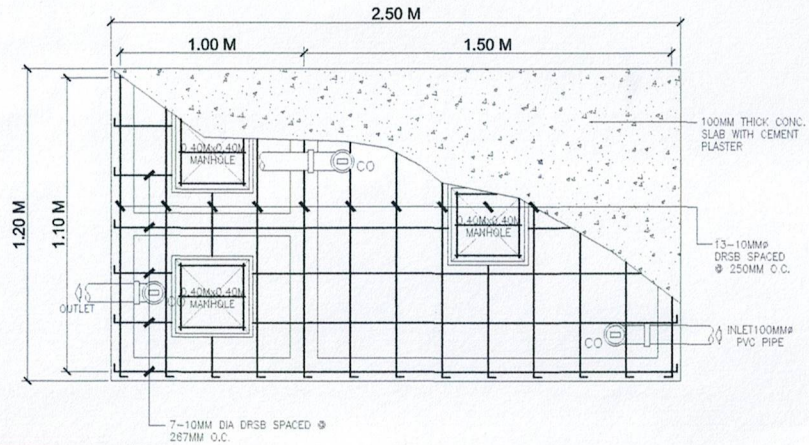

**P3 / P-1 ISOMETRIC DIAGRAM**
SCALE: NTS

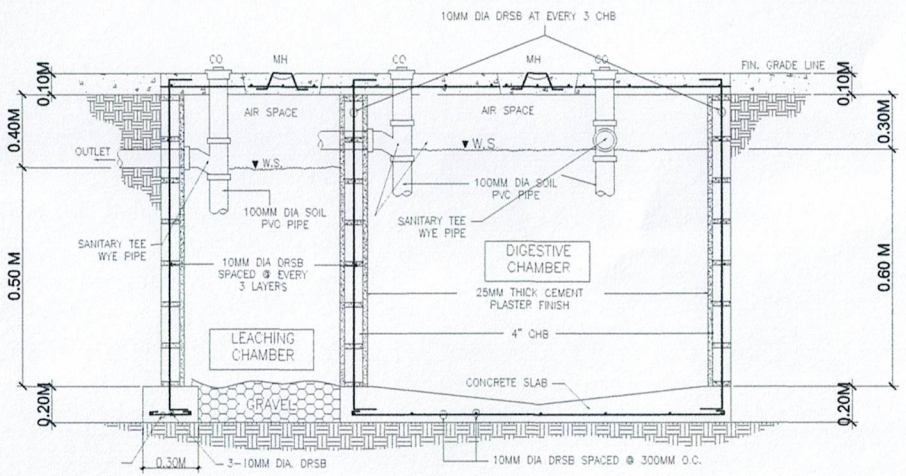
## GENERAL NOTES (PLUMBING)

1. ALL PLUMBING WORKS SHALL BE DONE IN ACCORDANCE WITH SANITARY CODE OF THE PHILIPPINES THRU THE RESTRICTIONS OF LOCAL AUTHORITY.
2. WATER PIPES SHALL BE 20MMø PVC PIPE FROM MAIN SOURCE TO WATER METER AND uPVC PIPE FOR THE REST OF THE SYSTEM.
3. SANITARY PIPING SHALL BE 100MMø SOIL PIPE FOR MAIN SEWER LINE.
4. HORIZONTAL WASTE PIPES SHALL BE INSTALLED AT 2% SLOPE.
5. INSTALLATION OF WATER LINE SYSTEM SHALL BE MOUNTED TO 300MM ABOVE FLOOR LINE.
6. PRIOR INSTALLATION, ALL LAYOUT SHALL BE INPSECTED AT SITE.
7. ACTUAL LAYOUT SHALL BE EXECUTED BY A MASTER PLUMBER THRU DIRECT SUPERVISION OF SANITARY ENGINEER.

LEGEND:

| | | |
|---|---|---|
| WC | – | WATER CLOSET |
| FD | – | FLOOR DRAIN |
| DD | – | DECK DRAIN |
| LAV | – | LAVATORY |
| CO | – | CLEAN OUT |
| DS | – | DOWNSPOUT |
| CB | – | CATCH BASIN |
| VS | – | VENT STACK |
| KS | – | KITCHEN SINK |
| HB | – | HOSE BIBB |
| GV | – | GATE VALVE |
| WM | – | WATER METER |
| CV | – | CHECK VALVE |
| SHV | – | SHOWER VALVE |
| SHO | – | SHOWER HEAD |
| F | – | FAUCET |
| DC | – | DIGESTIVE CHAMBER |
| LC | – | LEACHING CHAMBER |
| SS | – | SOIL STACK |
| WS | – | WASTE STACK |
| VTR | – | VENT THRU ROOF |




THIS PLAN IS DESIGNED FOR FUTURE DEVELOPMENT AND ADDITIONAL BUDGET ALLOCATION.

**P3 / P-2 SEPTIC TANK DETAILS**
SCALE: NTS

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
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| PRC: | | CONSTRUCTION OF ONE-STOREY SPEECH LABORATORY BUILDING | ARNEL G. AGRAVA | Engr. MARCELO T. ABRERA, JR. | Engr. MARIO LILIO P. VALENZONA | Dr. DANIEL LESLIE S. TAN | Dr. EDGARDO E. TULIN | ISOMETRIC DIAGRAM<br>SEPTIC TANK DETAILS<br>GENERAL NOTES & LEGEND | AutoCAD by: CAIT |
| PTR: | | | | | | | | | Date Started: MAY 2023 |
| Date: | | | | | | | | | Date Finished: JUN. 2023 |
| Place: | | Location: VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines | HEAD, PIMO VSU Tolosa Campus | DIRECTOR, ODPIPDM | DIRECTOR, GSD | VP FOR FINANCE & ADMINISTRATION | VSU PRESIDENT | | Place: TOLOSA, LEYTE |

P3 02 — SHEET NO. 30 30