





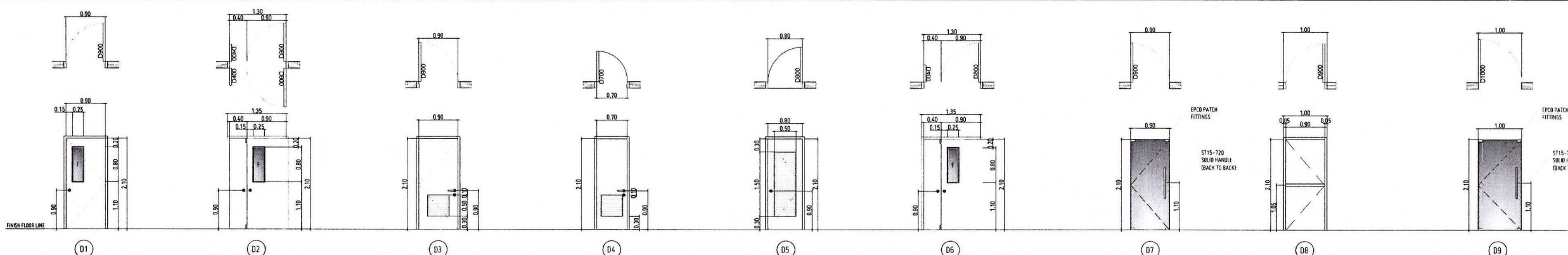
APPROVED BY:

GENERAL NOTES:

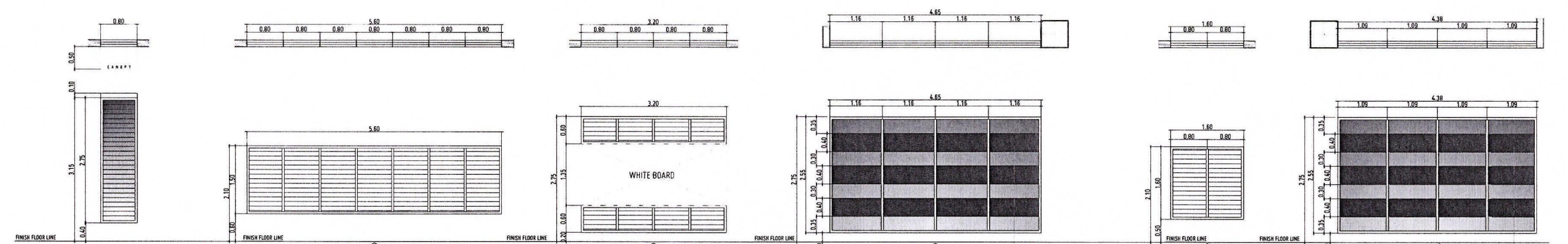
1. FFL = FINISH FLOOR LINE. VERIFY FLOOR FINISHES/MATERIALS.
2. ALL INTERIOR PARTITIONS AND FURNITURE LAYOUT ARE INDICATIVE ONLY AND MAY CHANGE. VERIFY INTERIOR DESIGN DRAWINGS.
3. ALL LANDSCAPE ARCHITECTURE ELEMENTS ARE INDICATIVE ONLY AND MAY CHANGE. VERIFY LANDSCAPE ARCHITECTURE DRAWINGS.
4. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TO GOVERN.
5. IN CASE OF DISCREPANCY IN THE FIGURES AND DRAWINGS THE MATTER SHALL BE SUBMITTED IMMEDIATELY TO THE ARCHITECT BEFORE ADJUSTMENTS ARE TO BE MADE.
6. VERIFY ACTUAL TECHNICAL SITE CONDITIONS.
7. ALL WORK HEREIN SHALL BE DONE UNDER THE STRICT SUPERVISION OF BUILT LICENSED AND EXPERIENCED ARCHITECT/ENGINEER.
8. LOT AND BUILDING BOUNDARIES SHOULD BE SUPPORTED BY RETAINING WALLS AND FENCES. VERIFY EXISTING HEIGHTS, ELEVATIONS AND OTHER SITE CONDITIONS.
9. THE GENERAL CONTRACTOR, SUB-CONTRACTORS INCLUDING SPECIALTY CONTRACTORS, SHALL SUBMIT PROPER SHOP DRAWINGS INCLUDING MATERIALS SAMPLE PRIOR TO INSTALLATIONS FOR ARCHITECTS APPROVAL.

IMPORTANT NOTES:

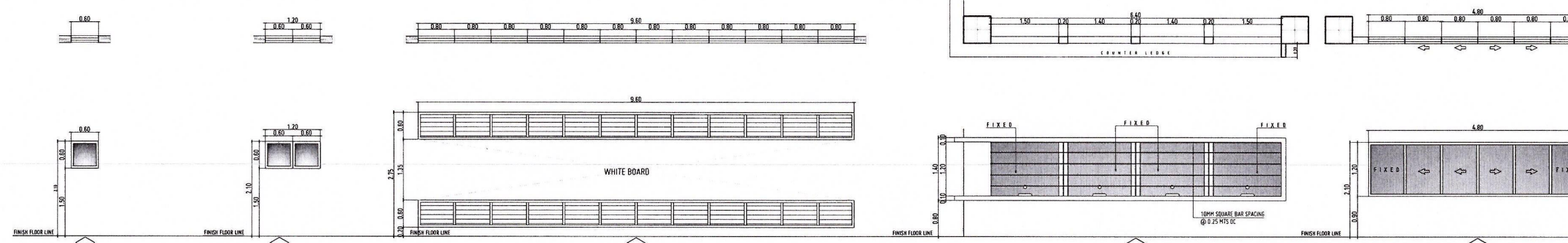
1. CHECK AND VERIFY ACTUAL SITE CONDITION BEFORE CONSTRUCTION. CHECK AND REVIEW PLANS, AND IF THERE ARE CONFLICTS BETWEEN DRAWINGS, SPEC. BOOK AND TECHNICAL SPECIFICATIONS, NOTIFY THE UPDO THRU RFL BEFORE PROCUREMENT AND INSTALLATION OF CERTAIN ITEMS AND MATERIALS.
2. BEFORE INSTALLATION OF MATERIALS, ESPECIALLY ARCHITECTURAL FINISHES OR MATERIALS THAT WILL GREATLY AFFECT THE CONSTRUCTION, INFORM THE UPDO THRU RFL FOR INFORMATION AND FOR MATERIAL APPROVAL BEFORE PROCUREMENT AND INSTALLATION OF CERTAIN ITEMS AND MATERIALS.
3. FOR ANY CONFLICT BETWEEN ARCHITECTURAL PLANS AND OTHER UTILITIES, NOTIFY THE UPDO DESIGN ARCHITECT AND/OR ENGINEERS TO RESOLVE DESIGN ISSUE.



ID	TYPE	DESCRIPTION	LOCATION
D1	SINGLE LEAF PANEL DOOR WITH VIEWING WINDOW	SINGLE LEAF SOLID CORE PANEL DOOR IN HARRA WOOD DESIGN. COATED WITH CLEAR SATIN POLYURETHANE FINISH WITH 0.9MM THK. CLEAR GLASS VIEWING WINDOW. INCLUDES ALL NECESSARY FINISHES, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.	CLASSROOM/ELECTRICAL, ECE AND LIBRARIAN'S OFFICE
D2	DOUBLE LEAF PANEL DOOR WITH VIEWING WINDOW	INVERTED DOUBLE LEAF SOLID CORE PANEL DOOR IN HARRA WOOD DESIGN. COATED WITH CLEAR SATIN POLYURETHANE FINISH WITH 0.9MM THK. CLEAR GLASS VIEWING WINDOW. STAINLESS STEEL KICK PLATE. INCLUDES ALL NECESSARY FINISHES, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.	OFFICES
D3	SINGLE LEAF LEVERED PANEL DOOR	SINGLE LEAF SOLID CORE PANEL DOOR IN HARRA WOOD DESIGN. COATED WITH CLEAR SATIN POLYURETHANE FINISH WITH 0.9MM THK. CLEAR GLASS VIEWING WINDOW. INCLUDES ALL NECESSARY FINISHES, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.	PAW, MALE AND FEMALE RESTROOM
D4	SINGLE LEAF LEVERED PANEL DOOR	SINGLE LEAF SOLID CORE PANEL DOOR IN HARRA WOOD DESIGN. COATED WITH CLEAR SATIN POLYURETHANE FINISH WITH 0.9MM THK. CLEAR GLASS VIEWING WINDOW. INCLUDES ALL NECESSARY FINISHES, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.	FACULTY RESTROOM
D5	SINGLE LEAF LEVERED PANEL DOOR	SINGLE LEAF SOLID CORE PANEL DOOR IN HARRA WOOD DESIGN. COATED WITH CLEAR SATIN POLYURETHANE FINISH WITH 0.9MM THK. CLEAR GLASS VIEWING WINDOW. INCLUDES ALL NECESSARY FINISHES, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.	ELECTRICAL ROOM, EEE ROOM
D6	DOUBLE LEAF PANEL DOOR WITH VIEWING WINDOW	INVERTED DOUBLE LEAF SOLID CORE PANEL DOOR IN HARRA WOOD DESIGN. COATED WITH CLEAR SATIN POLYURETHANE FINISH WITH 0.9MM THK. CLEAR GLASS VIEWING WINDOW. STAINLESS STEEL KICK PLATE. INCLUDES ALL NECESSARY FINISHES, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.	FACULTY OFFICE
D7	SINGLE LEAF GLASS DOOR	7 THK TEMPERED GLASS DOOR WITH COMPLETE ACCESSORIES AND LOCKS.	FUNCTION ROOM, B1 ECA OFFICE
D8	SINGLE LEAF PANEL DOOR	SINGLE LEAF STEEL PANEL DOOR 1.8MM THK B.L. SKIN WITH A THICKNESS OF ALUM. 2 HOUR FIRE RATING. HOSGATE WITH HONEYCOMB CORE INCLUDING ALL NECESSARY FINISHES, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.	FIRE EXITS
D9	SINGLE LEAF GLASS DOOR	7 THK TEMPERED GLASS DOOR WITH COMPLETE ACCESSORIES AND LOCKS.	CLINIC, SF CONFERENCE ROOM

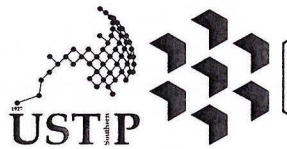


ID	TYPE	DESCRIPTION	LOCATION
W1	JALOUSIE WINDOW	JALOUSIE WINDOW. GLAZING 6MM THK. GLASS, MACHINE POLISHED, ULTRA-CLEAR. JALOUSIE FRAME, BLACK. MAIN FRAME, POWDER COATED WHITE FINISH ALUMINUM FRAMES.	CLASSROOMS
W2	JALOUSIE WINDOW	JALOUSIE WINDOW. GLAZING 6MM THK. GLASS, MACHINE POLISHED, ULTRA-CLEAR. JALOUSIE FRAME, BLACK. MAIN FRAME, POWDER COATED WHITE FINISH ALUMINUM FRAMES.	CLASSROOMS
W3	JALOUSIE WINDOW	JALOUSIE WINDOW. GLAZING 6MM THK. GLASS, MACHINE POLISHED, ULTRA-CLEAR. JALOUSIE FRAME, BLACK. MAIN FRAME, POWDER COATED WHITE FINISH ALUMINUM FRAMES.	CLASSROOMS
W4	FIXED WINDOW	GLAZING IN-2: THICK CLEAR GLASS W/ GLASS OVERLAY, POWDER COATED WHITE FINISH ALUMINUM FRAMES, INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.	ADMIN AND FACULTY OFFICE
W5	JALOUSIE WINDOW	JALOUSIE WINDOW. GLAZING 6MM THK. GLASS, MACHINE POLISHED, ULTRA-CLEAR. JALOUSIE FRAME, BLACK. MAIN FRAME, POWDER COATED WHITE FINISH ALUMINUM FRAMES.	EEE ROOM
W6	FIXED WINDOW	GLAZING IN-2: THICK CLEAR GLASS W/ GLASS OVERLAY, POWDER COATED WHITE FINISH ALUMINUM FRAMES, INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.	FACULTY OFFICE



ID	TYPE	DESCRIPTION	LOCATION
W7	AWNING WINDOW	GLAZING IN-2: THICK CLEAR GLASS, POWDER COATED WHITE FINISH ALUMINUM FRAMES, AWNING WINDOWS OPENABLE UP TO 90 DEGREES, INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.	PAW RESTROOM AND MALE RESTROOM
W8	AWNING WINDOW	GLAZING IN-2: THICK CLEAR GLASS, POWDER COATED WHITE FINISH ALUMINUM FRAMES, AWNING WINDOWS OPENABLE UP TO 90 DEGREES, INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.	PAW RESTROOM AND MALE RESTROOM
W9	JALOUSIE WINDOW	JALOUSIE WINDOW. GLAZING 6MM THK. GLASS, MACHINE POLISHED, ULTRA-CLEAR. JALOUSIE FRAME, BLACK. MAIN FRAME, POWDER COATED WHITE FINISH ALUMINUM FRAMES.	CLASSROOM
W10	FIXED WINDOW	10MM THK TEMPERED GLASS IN UPVC WINDOW FRAMING.	ADMIN OFFICE
W11	SLIDING AND FIXED WINDOW	GLAZING IN-2: THICK CLEAR GLASS, POWDER COATED WHITE FINISH ALUMINUM FRAMES, SLIDING WINDOW INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.	ADMINISTRATION OFFICE

**SCHEDULE OF DOORS AND WINDOWS**  
SCALE: 1:50 MTS



REPUBLIC OF THE PHILIPPINES  
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES  
CAGAYAN DE ORO CAMPUS  
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT  
CLARO H. NICETO AVENUE, LAPASAN, CAGAYAN DE ORO CITY 9000  
TELEPHONE # (0822) 72-40-55 / (080) 856-1238 / (856-1739) | TELE FAX (080) 856-4866  
WEBSITE: www.ustip.edu.ph

**ERWIN B. BULTO**  
ARCHITECT OF RECORD  
PRE. NO. 44-2-1-0 PTR. NO. 5820170-A  
DATE: 02-19-2025  
TH. NO. 85-092-6-17 PLACE: CAGAYAN DE ORO

PROJECT: CONSTRUCTION OF 21ST CENTURY CLASSROOM BUILDINGS PHASE III, VILLANUEVA CAMPUS  
LOCATION: USTP VILLANUEVA CAMPUS, MISAMIS ORIENTAL  
OWNER: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:  
**ENGR. GRACE C. BABA**  
DIRECTOR, UPDO

RECOMMENDING APPROVAL:  
**ATTY. ERWIN B. BULTO**  
VP FOR ADMINISTRATION & LEGAL AFFAIRS

APPROVED BY:  
**DR. AMBROSIO B. CULTURA II**  
PRESIDENT, USTP SYSTEM

SHEET CONTENTS:  
SCHEDULE OF DOORS AND WINDOWS  
DRAWN BY: KRJ, J2DP  
DATE DRAWN: SEPTEMBER 2025  
PNT:

**A22**

APPROVED BY:

PARAPET LINE  
ELEV= ± 21.70  
ROOF DECK RAILING  
ELEV= ± 20.80

ROOF DECK FFL  
ELEV= ± 19.50  
FOURTH FLR CL.  
ELEV= ± 19.10

FIFTH FFL  
ELEV= ± 16.10  
FOURTH FLR CL.  
ELEV= ± 15.30

FOURTH FFL  
ELEV= ± 12.30  
THIRD FLR CL.  
ELEV= ± 11.50

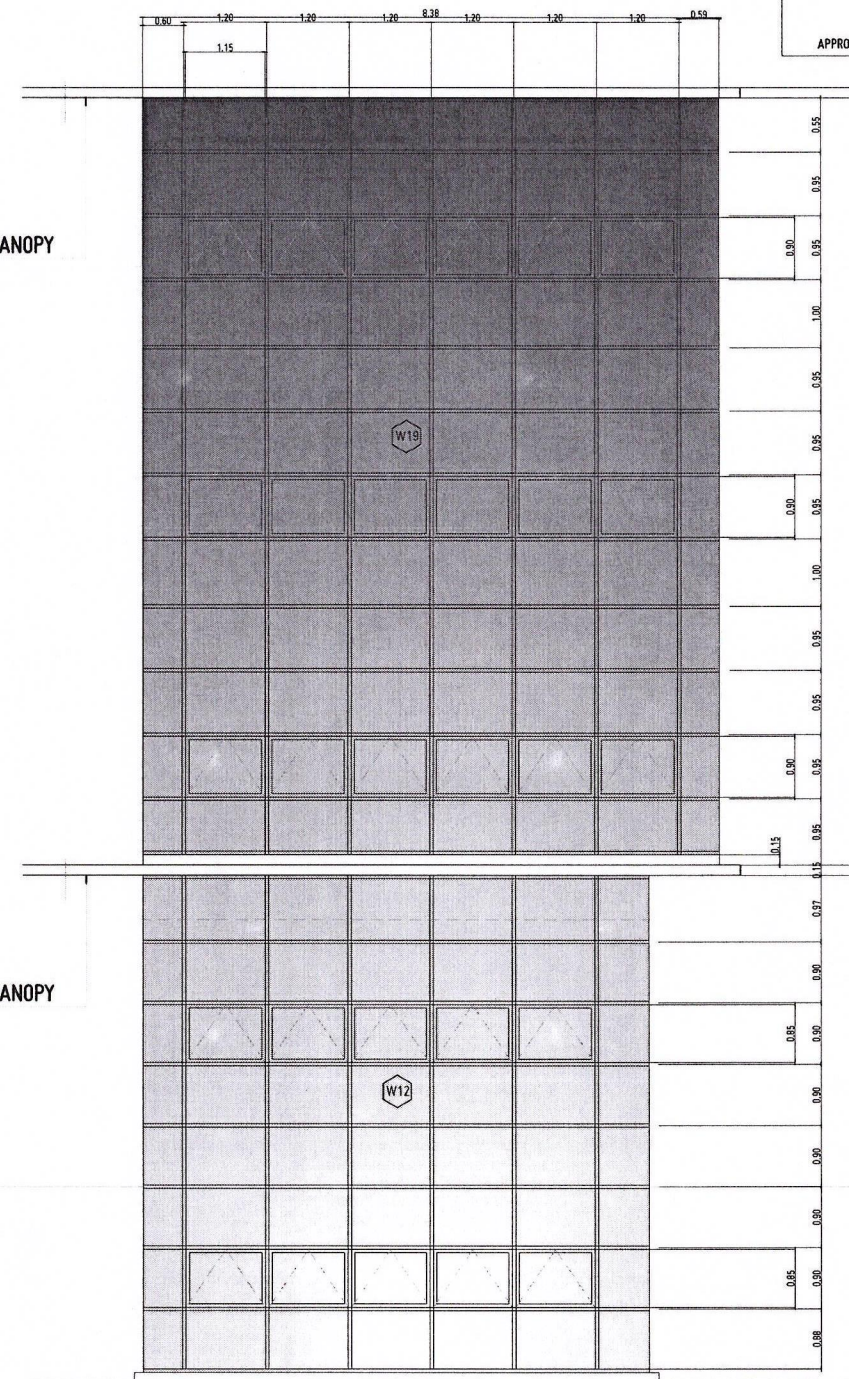
THIRD FFL  
ELEV= ± 8.50  
SECOND FLR CL.  
ELEV= ± 7.70

SECOND FFL  
ELEV= ± 4.70  
GROUND FLR CL.  
ELEV= ± 3.90

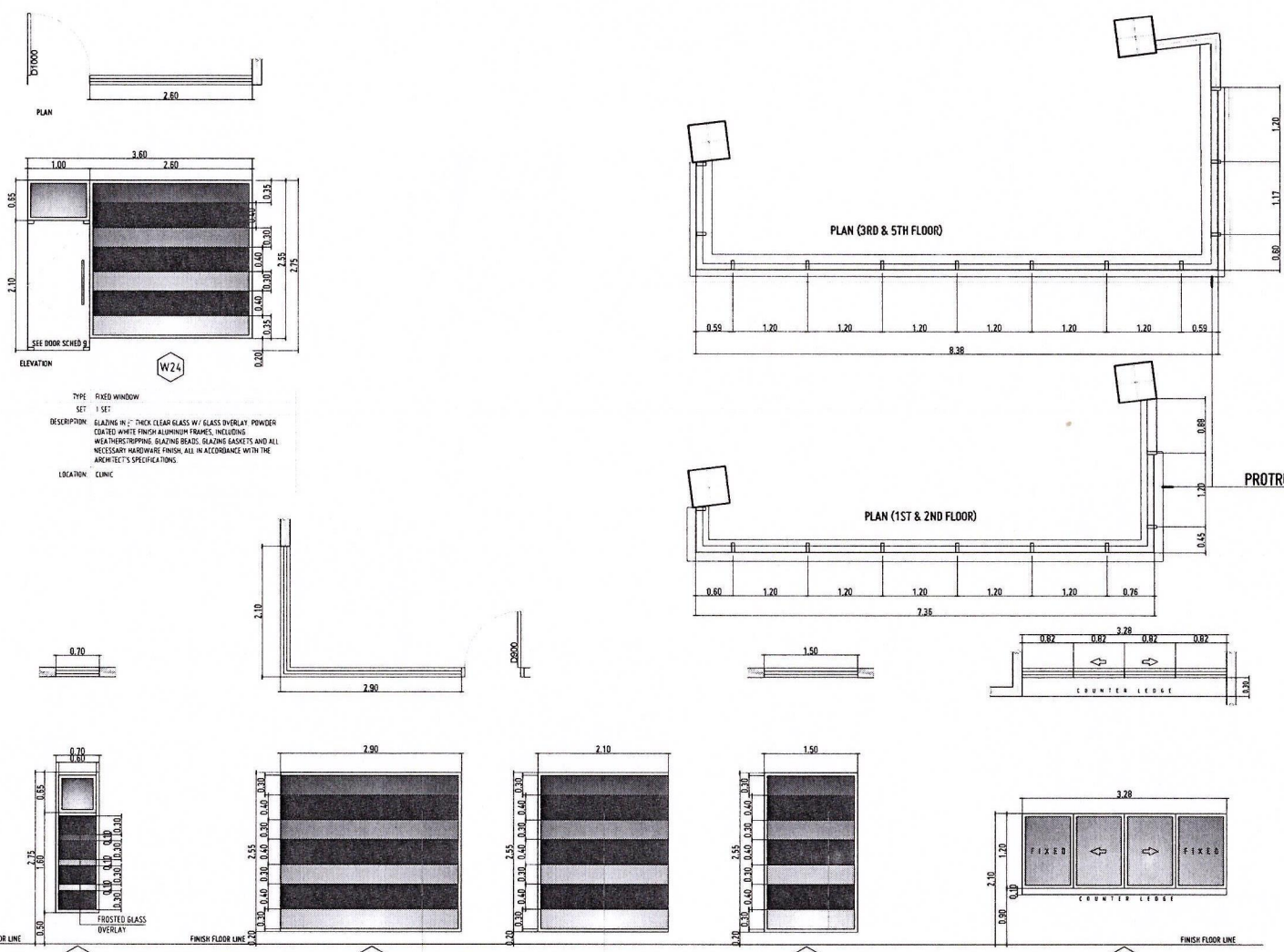
GROUND FFL  
ELEV= ± 0.90  
SIDE WALK LINE  
ELEV= ± 0.15  
ROAD PAVEMENT LINE  
ELEV= ± 0.00  
**SCHEDULE OF WINDOWS**

SCALE: 1:50 MTS

A  
23  
1



TYPE: COMBINED FIXED AND AWNING WINDOW  
SET: 1 SET  
DESCRIPTION: GLAZING IN: 2" THICK CLEAR GLASS, POWDER COATED WHITE FINISH ALUMINUM FRAMES, AWNING WINDOWS OPERABLE UP TO 90 DEGREES INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.  
LOCATION: OFFICES



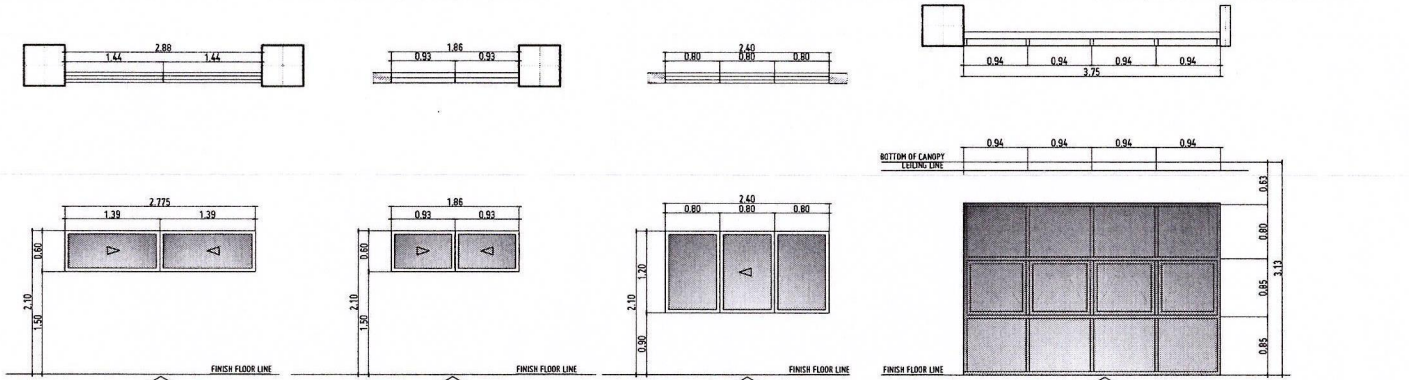
TYPE: FIXED WINDOW  
SET: 1 SET  
DESCRIPTION: GLAZING IN: 2" THICK CLEAR GLASS W/ GLASS OVERLAY, POWDER COATED WHITE FINISH ALUMINUM FRAMES, INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.  
LOCATION: CLINIC

TYPE: FIXED WINDOW  
SET: 4 SETS  
DESCRIPTION: GLAZING IN: 2" THICK CLEAR GLASS, POWDER COATED WHITE FINISH ALUMINUM FRAMES, AWNING WINDOWS OPERABLE UP TO 90 DEGREES INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.  
LOCATION: LIBRARY

TYPE: FIXED WINDOW  
SET: 4 SETS  
DESCRIPTION: GLAZING IN: 2" THICK CLEAR GLASS W/ GLASS OVERLAY, POWDER COATED WHITE FINISH ALUMINUM FRAMES, W/ FROSTED OVERLAY INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.  
LOCATION: FUNCTION ROOM

TYPE: FIXED WINDOW  
SET: 4 SETS  
DESCRIPTION: GLAZING IN: 2" THICK CLEAR GLASS W/ GLASS OVERLAY, POWDER COATED WHITE FINISH ALUMINUM FRAMES W/ FROSTED OVERLAY INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.  
LOCATION: FUNCTION ROOM

TYPE: SLIDING AND FIXED WINDOW  
SET: 1 SET  
DESCRIPTION: GLAZING IN: 2" THICK CLEAR GLASS, POWDER COATED WHITE FINISH ALUMINUM FRAMES, SLIDING WINDOW INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.  
LOCATION: LIBRARY

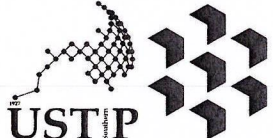


TYPE: SLIDING WINDOW  
SET: 1 SET  
DESCRIPTION: GLAZING IN: 2" THICK CLEAR GLASS, POWDER COATED WHITE FINISH ALUMINUM FRAMES, AWNING WINDOWS OPERABLE UP TO 90 DEGREES INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.  
LOCATION: FIRE EXIT

TYPE: SLIDING WINDOW  
SET: 3 SETS  
DESCRIPTION: GLAZING IN: 2" THICK CLEAR GLASS, POWDER COATED WHITE FINISH ALUMINUM FRAMES, AWNING WINDOWS OPERABLE UP TO 90 DEGREES INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.  
LOCATION: FIRE EXIT

TYPE: SLIDING AND FIXED WINDOW  
SET: 1 SET  
DESCRIPTION: GLAZING IN: 2" THICK CLEAR GLASS, POWDER COATED WHITE FINISH ALUMINUM FRAMES, AWNING WINDOWS OPERABLE UP TO 90 DEGREES INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.  
LOCATION: FIRE EXIT

TYPE: COMBINED FIXED AND AWNING WINDOW  
SET: 3 SETS  
DESCRIPTION: GLAZING IN: 2" THICK CLEAR GLASS, POWDER COATED WHITE FINISH ALUMINUM FRAMES, AWNING WINDOWS OPERABLE UP TO 90 DEGREES INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH, ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.  
LOCATION: FUNCTION ROOM



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ARCHITECT OF RECORD <b>Ferdinand A. Sibilla</b>		PROJECT <b>CONSTRUCTION OF 21ST CENTURY CLASSROOM BUILDINGS PHASE III, VILLANUEVA CAMPUS</b>	
PRC NO. 113329	PTK NO. 02-19-2025	LOCATION USTP VILLANUEVA CAMPUS, MISAMIS ORIENTAL	OWNER UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
TIN NO. 1-04-092-807	DATE: 02-19-2025	OFFICE: CAGAYAN DE ORO	

RECOMMENDING APPROVAL:  
**ENGR. GRACE C. BABA**  
DIRECTOR, IPEDD

RECOMMENDING APPROVAL:  
**ATTY. ERWIN B. BUCIO**  
VP FOR ADMINISTRATION & LEGAL AFFAIRS

APPROVED BY:  
**DR. AMBROSIO B. CULTURA II**  
PRESIDENT, USTP-SYSTEM

SHEET CONTENTS:  
SCHEDULE OF WINDOWS

DRAWN BY:  
KRIU, JZOP  
DATE DRAWN:  
SEPTEMBER 2025  
FMT:

**A23**

APPROVED BY:

GENERAL NOTES

1. FFL = FINISH FLOOR LINE. VERIFY FLOOR FINISHES/MATERIALS.
2. ALL INTERIOR PARTITIONS AND FURNITURE LAYOUT ARE INDICATIVE ONLY AND MAY CHANGE. VERIFY INTERIOR DESIGN DRAWINGS.
3. ALL LANDSCAPE ARCHITECTURE ELEMENTS ARE INDICATIVE ONLY AND MAY CHANGE. VERIFY LANDSCAPE ARCHITECTURE DRAWINGS.
4. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TO GOVERN.
5. IN CASE OF DISCREPANCY IN THE FIGURES AND DRAWINGS THE MATTER SHALL BE SUBMITTED IMMEDIATELY TO THE ARCHITECT BEFORE ADJUSTMENTS ARE TO BE MADE.
6. VERIFY ACTUAL TECHNICAL SITE CONDITIONS.
7. VERIFY ACTUAL ELEVATION MARKS AND LOT BOUNDARIES PRIOR TO COMMENCING WORK.
8. ALL WORKS HEREIN SHALL BE DONE UNDER THE STRICT SUPERVISION OF BULK LICENSED AND EXPERIENCED ARCHITECT/ENGINEER.
9. LOT AND BUILDING BOUNDARIES SHOULD BE SUPPORTED BY RETAINING WALLS AND FENCES. VERIFY EXISTING HEIGHTS, ELEVATIONS AND OTHER SITE CONDITIONS.
10. THE GENERAL CONTRACTOR, SUB-CONTRACTORS INCLUDING SPECIALTY CONTRACTORS, SHALL SUBMIT PROPER SHOP DRAWINGS INCLUDING MATERIALS SAMPLE PRIOR TO INSTALLATIONS FOR ARCHITECT'S APPROVAL.

IMPORTANT NOTES

1. CHECK AND VERIFY ACTUAL SITE CONDITION BEFORE CONSTRUCTION.
2. CHECK AND REVIEW PLANS, AND IF THERE ARE CONFLICTS BETWEEN DRAWINGS, SIZE, SIGN, AND TECHNICAL SPECIFICATIONS, INFORM THE IPFDO THRU REF. BEFORE PROCUREMENT AND INSTALLATION OF CERTAIN ITEMS AND MATERIALS.
3. BEFORE INSTALLATION OF MATERIALS, ESPECIALLY ARCHITECTURAL FINISHES OR MATERIALS THAT WILL GREATLY AFFECT THE CONSTRUCTION, INFORM THE IPFDO THRU REF. (FOR INFORMATION) AND RIA (FOR MATERIAL APPROVAL BEFORE PROCUREMENT AND INSTALLATION OF CERTAIN ITEMS AND MATERIALS).
4. FOR ANY CONFLICT BETWEEN ARCHITECTURAL PLANS AND OTHER UTILITIES, INFORM THE IPFDO DESIGN ARCHITECT AND/OR ENGINEERS TO RESOLVE DESIGN ISSUE.

FIFTH FFL  
ELEV= ± 16.10

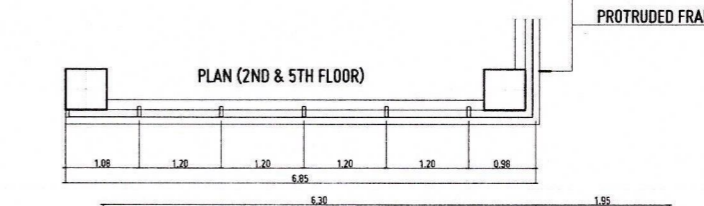
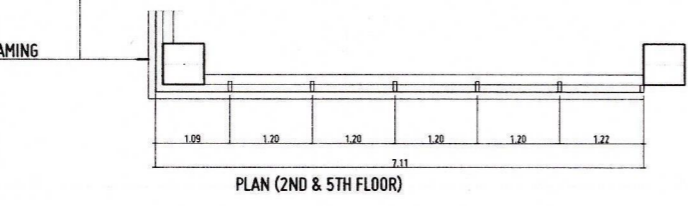
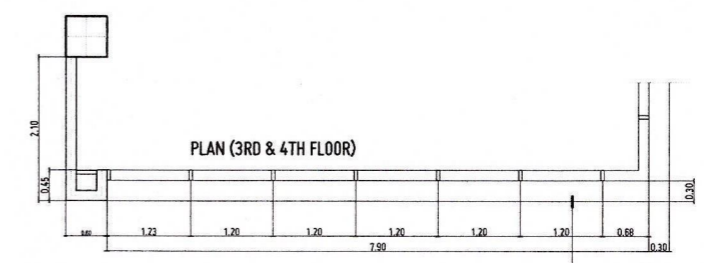
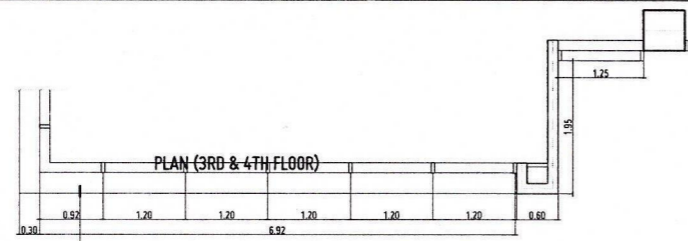
FOURTH FFL  
ELEV= ± 12.30

THIRD FFL  
ELEV= ± 8.50

W178 W180

TYPE: CURTAIN WALL  
SEC: 1 SET  
DESCRIPTION: GLAZING IN 6MM THICK CLEAR TEMPERED GLASS, POWDER COATED WHITE FINISH ALUMINUM FRAMES, INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.

LOCATION: OFFICES



ELEV= ± 23.10 APEX OF THE ROOF

ELEV= ± 23.10 APEX OF THE ROOF

ELEV= ± 21.70 PARAPET LINE

ELEV= ± 21.70 PARAPET LINE

ELEV= ± 20.80 ROOF DECK RAILING

ELEV= ± 20.80 ROOF DECK RAILING

ELEV= ± 19.50 ROOF DECK FFL  
ELEV= ± 19.10 FOURTH FLR CL.

ELEV= ± 19.50 ROOF DECK FFL  
ELEV= ± 19.10 FOURTH FLR CL.

ELEV= ± 16.10 FIFTH FFL

ELEV= ± 16.10 FIFTH FFL

ELEV= ± 15.30 FOURTH FLR CL.

ELEV= ± 15.30 FOURTH FLR CL.

ELEV= ± 12.30 FOURTH FFL

ELEV= ± 12.30 FOURTH FFL

ELEV= ± 11.50 THIRD FLR CL.

ELEV= ± 11.50 THIRD FLR CL.

ELEV= ± 8.50 THIRD FFL

ELEV= ± 8.50 THIRD FFL

ELEV= ± 7.70 SECOND FLR CL.

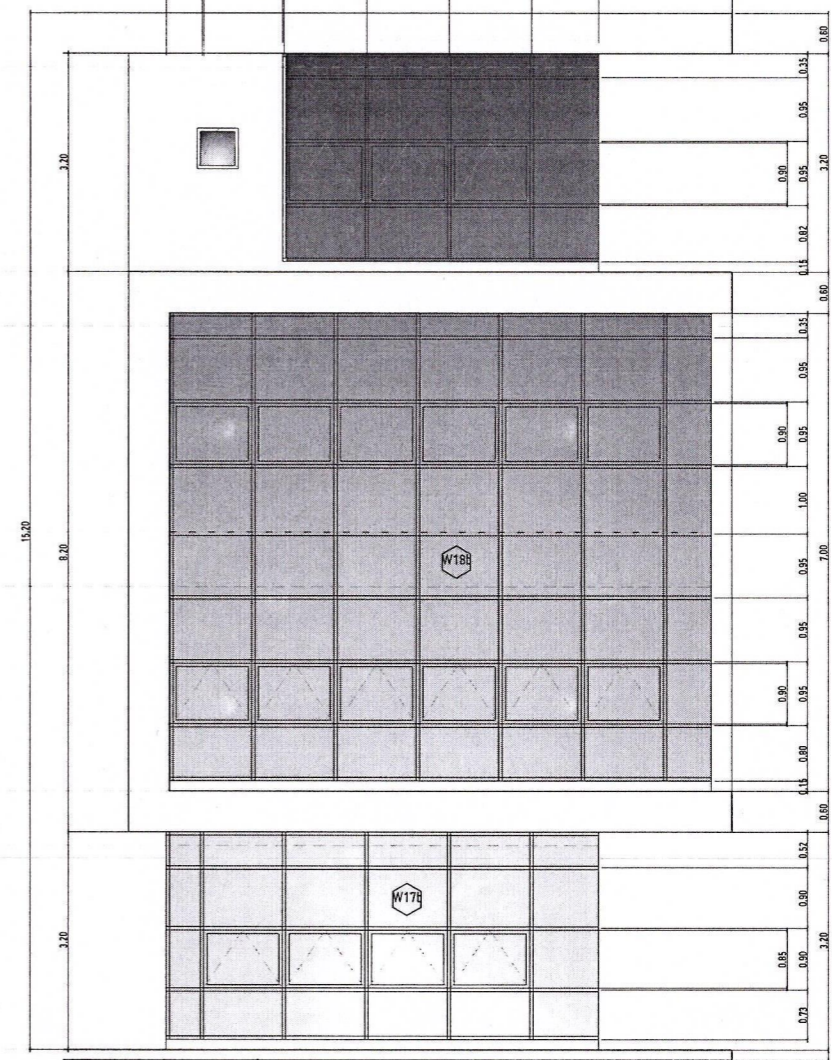
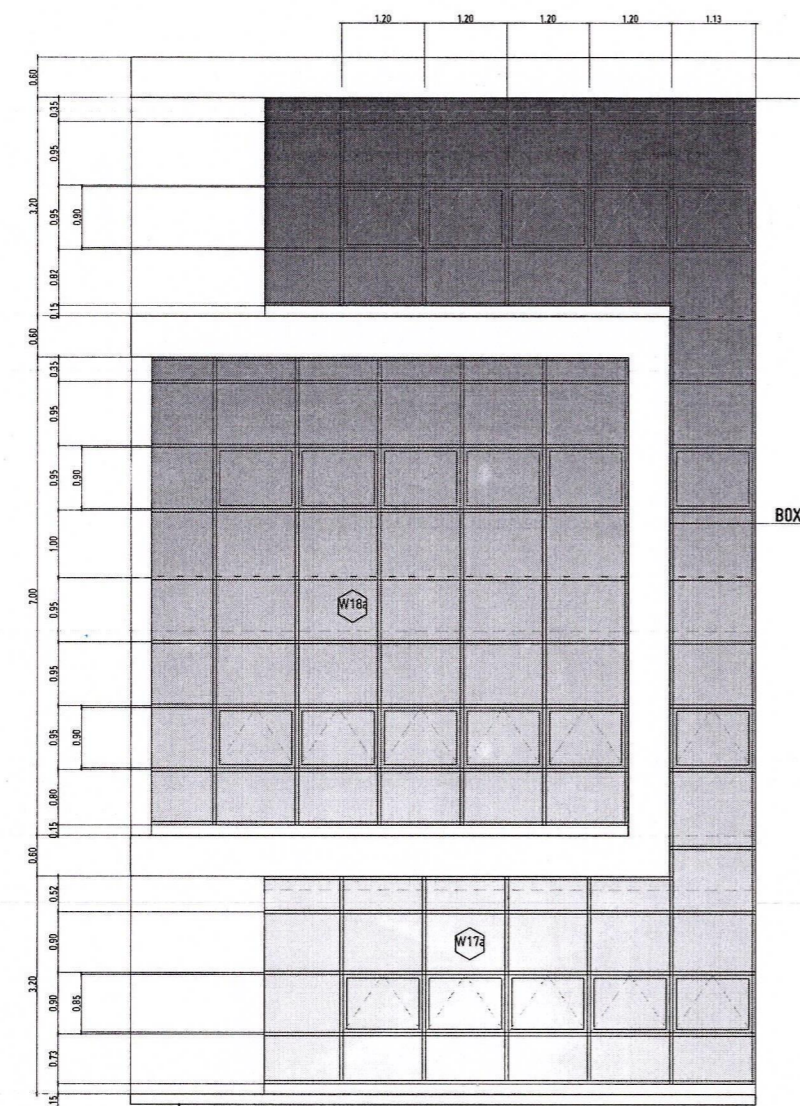
ELEV= ± 7.70 SECOND FLR CL.

ELEV= ± 4.70 SECOND FFL

ELEV= ± 4.70 SECOND FFL

ELEV= ± 3.90 GROUND FLR CL.

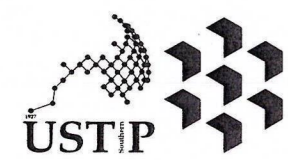
ELEV= ± 3.90 GROUND FLR CL.



FRONT ELEVATION W177 W178 W180

CONCRETE CANOPY A SCHEDULE OF WINDOWS  
24 1 SCALE: 1:50 MTS

TYPE: CURTAIN WALL  
SEC: 1 SET  
DESCRIPTION: GLAZING IN 6MM THICK CLEAR TEMPERED GLASS, POWDER COATED WHITE FINISH ALUMINUM FRAMES, INCLUDING WEATHERSTRIPPING, GLAZING BEADS, GLAZING GASKETS AND ALL NECESSARY HARDWARE FINISH ALL IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS.



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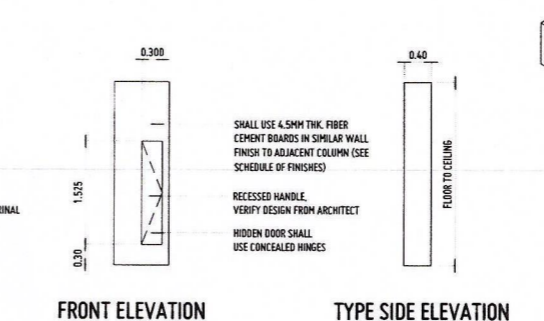
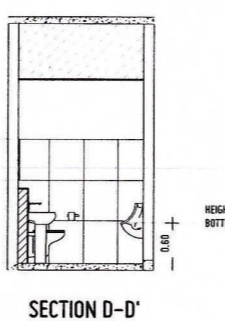
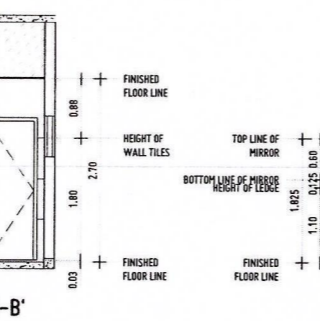
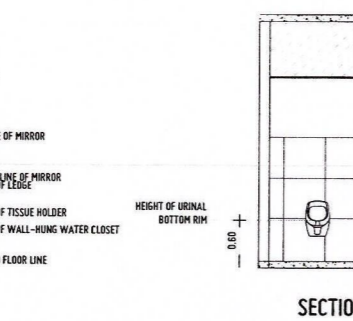
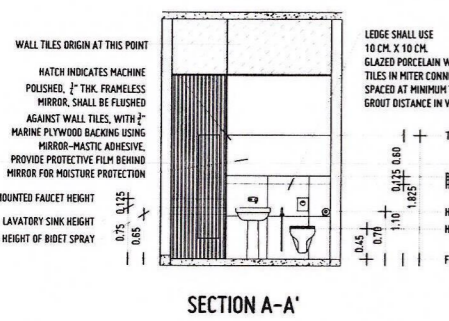
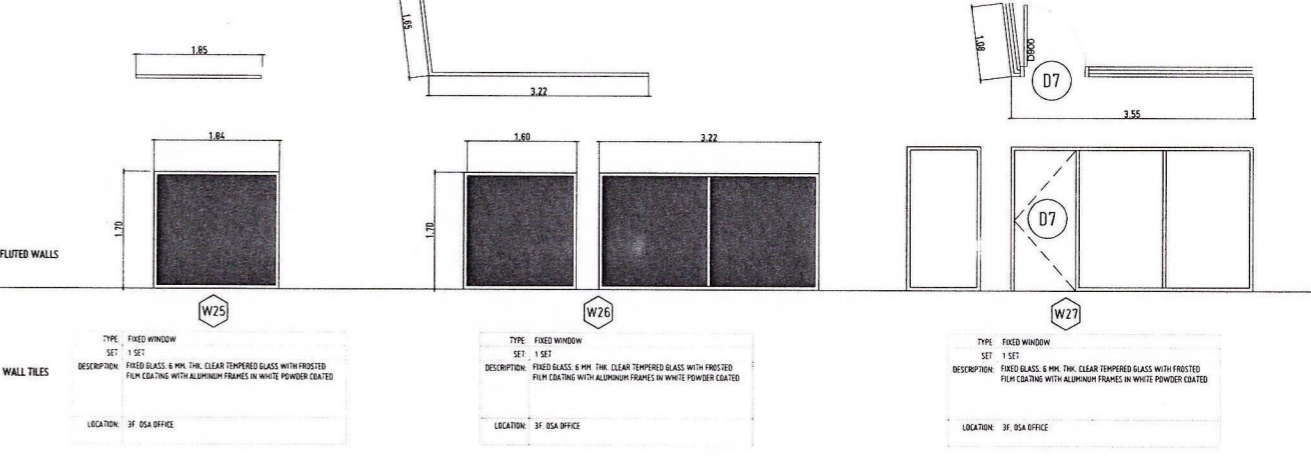
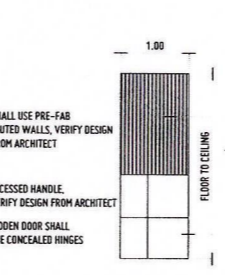
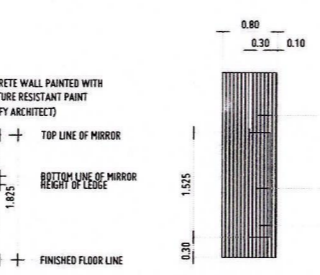
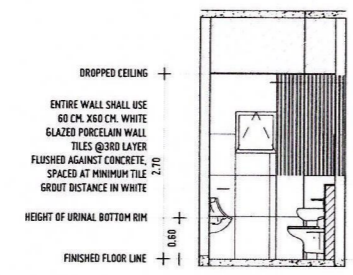
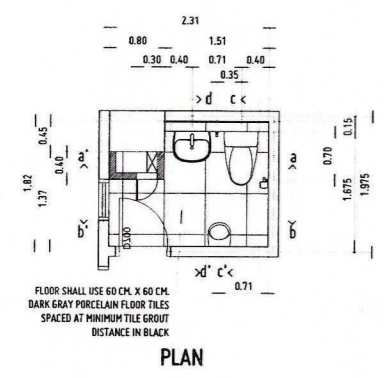
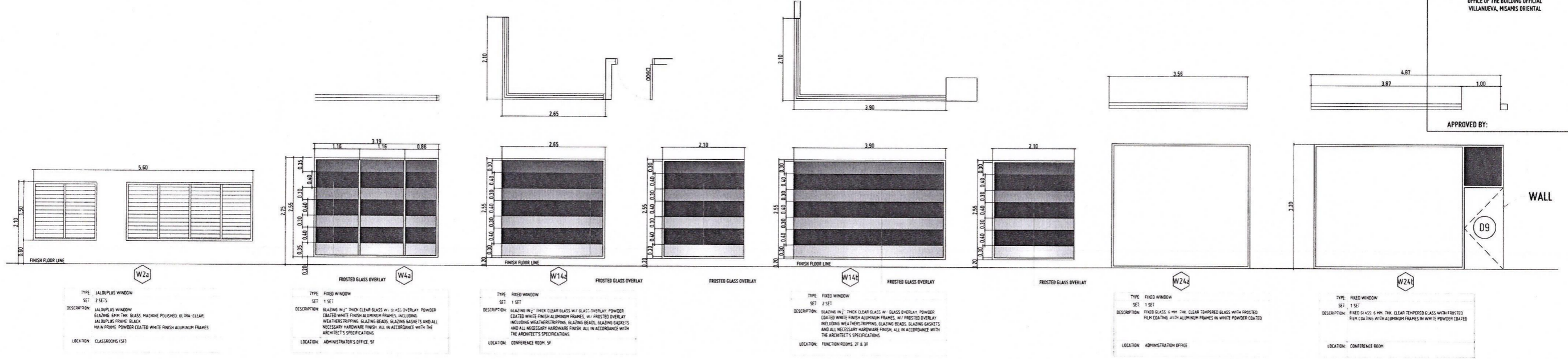
ARCHITECT: FERNANDO A. DOMIN  
PROJECT: CONSTRUCTION OF 21ST CENTURY CLASSROOM BUILDINGS PHASE III, VILLANUEVA CAMPUS  
LOCATION: USTP VILLANUEVA CAMPUS, MISAMIS ORIENTAL  
OWNER: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES  
DATE: 02-19-2025  
PLACE: CAGAYAN DE ORO

RECOMMENDING APPROVAL: ENGR. GRACE C. BABA, DIRECTOR, IPFDO  
RECOMMENDING APPROVAL: ATTY. ERWIN B. BUCHO, VP FOR ADMINISTRATION & LEGAL AFFAIRS  
APPROVED BY: DR. AMBROSIO B. CULTURA II, PRESIDENT, USTP SYSTEM

SHEET CONTENTS: SCHEDULE OF WINDOWS  
DRAWN BY: KRUI\_Z2DP  
DATE DRAWN: SEPTEMBER 2025  
FNT:

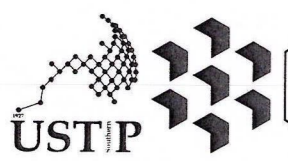
A24

APPROVED BY:



**A 25 1** SCHEDULE OF WINDOWS  
SCALE: 1:50 MTS

**A 25 2** TOILET DETAIL @ ADMINISTRATOR'S OFFICE  
SCALE: 1:50 MTS



REPUBLIC OF THE PHILIPPINES  
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES  
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ARCHITECT OF RECORD  
PRJ NO. 0 13 2 9  
TIN NO. 1 8 - 0 5 - 8 3 7  
DATE: 02-15-2025  
PLACE: CAGAYAN DE ORO

PROJECT  
CONSTRUCTION OF 21ST CENTURY CLASSROOM BUILDINGS PHASE III, VILLANUEVA CAMPUS  
LOCATION  
USTP VILLANUEVA CAMPUS, MISAMIS ORIENTAL  
OWNER  
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

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VP FOR ADMINISTRATION & LEGAL AFFAIRS

APPROVED BY:  
DR. AMBROSIO CULTURA II  
PRESIDENT, USTP SYSTEM

SHEET CONTENTS:  
SCHEDULE OF WINDOWS  
DETAIL - ADMINISTRATOR'S TOILET

DRAWN BY:  
KRU, JZDP  
DATE DRAWN:  
SEPTEMBER 2025  
PNT:

**A25**

# GENERAL NOTES

REPUBLIC OF THE PHILIPPINES  
OFFICE OF THE BUILDING OFFICIAL  
VILLANUEVA, MISAMIS ORIENTAL

## 1. GENERAL

- 1.1 THE STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, OPENINGS AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORKS.
- 1.2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK.
- 1.3 THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GOING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 1.4 THE DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OR CONSTRUCTION SHALL BE USED, SUBJECT TO THE APPROVAL BY THE ROYAL COMMISSION.
- 1.5 LOADINGS APPLIED TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. THE LIVE LOADING USED IN THE DESIGN OF THIS STRUCTURE ARE INDICATED IN THE "DESIGN CRITERIA NOTES". DO NOT APPLY ANY CONSTRUCTION LOADS UNTIL STRUCTURAL FRAMING IS PROPERLY CONNECTED TOGETHER AND UNTIL ALL TEMPORARY BRACING IS IN PLACE.
- 1.6 ALL ASTM AND OTHER REFERENCES ARE PER THE LATEST EDITIONS OF THESE STANDARDS, UNLESS OTHERWISE NOTED.

## 2. DESIGN CRITERIA

### 2.1 STANDARDS

2.1.1 THE STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODE OF STANDARD PRACTICE:

- A. NATIONAL STRUCTURAL CODE OF THE PHILIPPINES
- B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI-318RM)
- C. INTERNATIONAL BUILDING CODE (IBC)
- D. STRUCTURAL ENGINEERING INSTITUTE/AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE 7)

### 2.2 MATERIALS

2.2.1 THE FOLLOWING STRUCTURAL MATERIALS AND THEIR CORRESPONDING STRENGTH ARE ADOPTED IN THE DESIGN:

A. CONCRETE CYLINDER STRENGTH AT 28 DAYS	$f'_c = 25 \text{ MPa}$
B. CONCRETE BONDING	$f'_c = 20 \text{ MPa}$
C. REINFORCING BARS	$f_y = 414 \text{ MPa}$
D. CONCRETE MASONRY UNITS	$f_m = 14 \text{ MPa}$
E. STRUCTURAL STEEL PLATES AND SHAPES - ASTM A36	$f_y = 248 \text{ MPa}$
F. ANCHOR BOLTS - ASTM A307	$f_y = 228 \text{ MPa}$

### 2.3 DESIGN LOADS

2.3.1 DEAD LOADS: DESIGN GRAVITY DEAD LOADS USED IN THE DESIGN ARE AS FOLLOWS:

A. CONCRETE	24 KN/M <sup>2</sup>
B. 50 MM FLOOR TOPPING - FINISH	1.7 KN/M <sup>2</sup>
C. 100 MM CONCRETE MASONRY UNITS	2.70 KN/M <sup>2</sup>
D. 150 MM CONCRETE MASONRY UNITS	3.30 KN/M <sup>2</sup>
E. ROOF TOPPING - WATERPROOFING - INSULATION	2.50 KN/M <sup>2</sup>

2.3.2 LIVE LOADS: DESIGN GRAVITY LIVE LOADS USED IN THE DESIGN ARE AS FOLLOWS:

A. FLOOR LIVE LOAD	2.0 KN/M <sup>2</sup>
B. ROOF LIVE LOAD	CONCRETE ROOF 1.0 KN/M <sup>2</sup> STEEL ROOF 60 KN/M <sup>2</sup>
C. CORRIDORS, STAIRS & BALCONIES	5.0 KN/M <sup>2</sup>

### 2.3.3 WIND LOAD

2.3.3.1 WIND LOAD ON STRUCTURE SHALL BE COMPUTED AND APPLIED IN CONFORMANCE TO THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE, LATEST EDITION.

### 2.3.3.2 DESIGN WIND PRESSURES

- A. BASIC WIND VELOCITY FOR VILLANUEVA, MISAMIS OR. ARE AS FOLLOWS: 150 KPH
- B. SIMPLIFIED DESIGN WIND SHALL BE DESIGNED AS GIVEN IN NSCP FIGURE REFS. 8 & 13

### 2.3.3.3 ADJUSTMENT FACTOR FOR BUILDING HEIGHT AND EXPOSURE (A)

A. ADJUSTMENT FACTOR FOR BUILDING HEIGHT AND EXPOSURE (A) SHALL BE AS GIVEN IN FIGURE 6-2 OF SEI/ASCE 7.

### 2.3.3.4 IMPORTANCE FACTOR (I)

A. IMPORTANCE (I) SHALL BE AS DEFINED IN SECTION 6.5.5 OF SEI/ASCE 7.

### 2.3.3.5 EXPOSURE CATEGORY

A. AN EXPOSURE CATEGORY SHALL BE IN ACCORDANCE WITH SECTION 6.5.6 OF SEI/ASCE 7.

### 2.3.4 EARTHQUAKE LOADS

2.3.4.1 COMPUTATIONS AND APPLICATION OF SEISMIC LOADS ON THE STRUCTURE SHALL BE IN ACCORDANCE WITH THE EARTHQUAKE PROVISIONS OF THE INTERNATIONAL BUILDING CODE, LATEST EDITION.

## 3. CONCRETE

### 3.1. GENERAL

- 3.1.1 STRUCTURAL CONCRETE SHALL BE IN ACCORDANCE WITH ACE 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
- 3.1.2 CONCRETE SHALL BE READY-MIXED UNLESS OTHERWISE APPROVED.
- 3.1.3 CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI STANDARD.
- 3.1.4 REINFORCEMENT FOR CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF ACI BUILDING CODE 318/318R-25.

## 3.2 FOUNDATION

3.2.1 FOUNDATION SHALL BE DESIGNED BASED ON THE GEO-TECHNICAL INVESTIGATION REPORT. THE GENERAL CONTRACTOR SHALL CONDUCT HIS OWN GEO-TECHNICAL TEST TO VERIFY THE DESIGN IS SAFE AND IS ACCORDANCE TO THE GEO-TECHNICAL SOIL TEST REPORT.

### 3.2.2 SITE PREPARATION

- 3.2.2.1 ALL VEGETATION, DEBRIS AND SURFACE SOILS CONTAINING ORGANIC MATERIALS SHALL BE REMOVE FROM THE SITE.
- 3.2.2.2 THE EXPOSED SUB-GRADE SHALL BE DENSIFIED PRIOR TO PLACING ANY FILL. THE DENSIFICATION SHALL BE ACHIEVED BY COMPACTION, AND SHALL CONTINUE UNTIL THE SOIL DENSITY, 300 MM BELOW THE EXISTING SUB-GRADE, IS AT LEAST 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY.
- 3.2.2.3 IF THE COMPACTED SOILS ARE DUE TO CONSTRUCTION ACTIVITIES, THESE SOILS SHALL BE RE-COMPACTED AND RE-TESTED.

### 3.2.3 GROUND WATER TABLE

3.2.3.1 THE CONTRACTOR'S ATTENTION IS DRAWN TO GROUNDWATER ELEVATIONS INDICATED OR DISCUSSED IN THE GEO-TECHNICAL REPORT. WELL-POINTS MAYBE NEEDED SO THAT THE GROUND WATER LEVEL IS MAINTAINED AT LEAST 500 MM BELOW THE BOTTOM OF FOOTINGS DURING COMPACTION AND CONSTRUCTION.

3.2.4 THE SIDES OF FOOTINGS SHALL BE FORMED. EXCAVATED SOILS TO FORM THE SIDES OF FOOTINGS ARE NOT ACCEPTABLE.

3.2.5 TOP OF FOOTING ELEVATION SHALL BE AS SHOWN ON THE FOUNDATION PLAN OR DETAILS. THESE ELEVATIONS ARE A MAXIMUM AND SHALL BE LOWERED AS REQUIRED TO OBTAIN THE REQUIRED DESIGN BEARING PRESSURE.

3.2.6 NO UNBALANCED BACKFILLING SHALL BE DONE AGAINST FOUNDATION WALLS UNLESS WALLS ARE SECURELY BRACED AGAINST OVERTURNING EITHER BY TEMPORARY BRACING PERMANENT CONSTRUCTION.

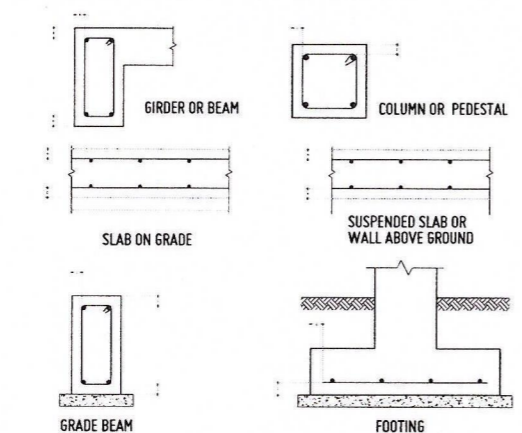
## 4. CONCRETE CONSTRUCTION

4.1 NO SPLICES SHALL BE PERMITTED IN FLEXURAL MEMBER REINFORCEMENT AT POINTS WHERE CRITICAL BENDING STRESSES OCCUR.

4.2 WHEN A BEAM CROSSES A GIRDER, REST BEAM BARS ON TOP OF GIRDER BARS.

4.3 IF SLABS ARE REINFORCED BOTH WAYS (TWO-WAY SPANNING SLABS), THE BARS ALONG THE SHORT SPAN SHALL BE AT THE LOWER LAYER FOR BOTTOM BARS, AND UPPER LAYER FOR TOP BARS.

4.4 UNLESS OTHERWISE NOTED, THE FOLLOWING CLEAR CONCRETE COVER OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI 318-14, CLEAR COVER REQUIREMENTS AND USED AS FOLLOWS:

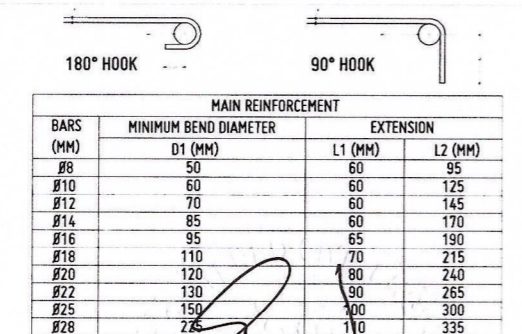


CLEAR COVER	CAST-IN-PLACE CONCRETE		NOT EXPOSED TO WEATHER OR EARTH
	EXPOSED TO WEATHER OR EARTH	NOT EXPOSED TO WEATHER OR EARTH	
A	50	25	
B	50	40	
C	75	50	

CLEAR COVER	PRECAST CONCRETE		
	EXPOSED TO EARTH	EXPOSED TO WEATHER	NOT EXPOSED TO WEATHER OR EARTH
WALL PANELS	75	30	20
OTHERS	75	50	30

4.5 HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH THE FOLLOWING MINIMUM REQUIREMENT:

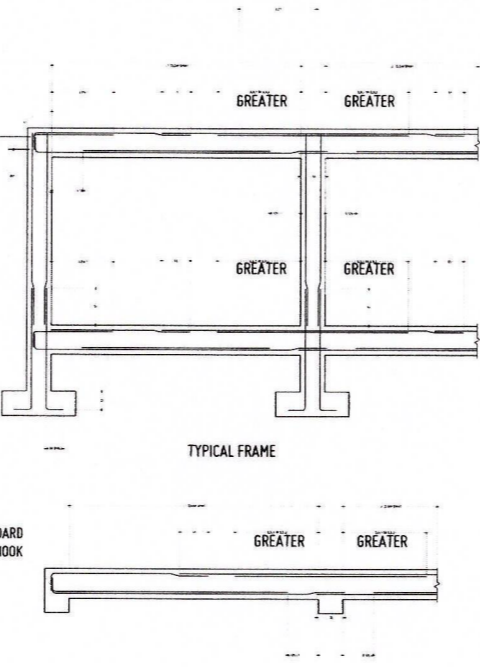


BARS (MM)	MAIN REINFORCEMENT		
	MINIMUM BEND DIAMETER	L1 (MM)	L2 (MM)
#8	50	60	95
#10	60	60	125
#12	70	60	145
#14	85	60	170
#16	95	65	190
#18	110	70	215
#20	120	80	240
#22	130	90	265
#25	150	100	300
#28	225	110	335



BARS (MM)	STIRRUPS AND TIES	
	MINIMUM BEND DIAMETER	EXTENSION
#8	30	50
#10	40	60
#12	50	70
#14	55	85
#16	65	95

4.6 UNLESS OTHERWISE INDICATED, THE FOLLOWING MINIMUM DEVELOPMENT AND LAP LENGTH SHALL BE USED:



BARS (MM)	MIN. DEVELOPMENT LENGTH			MIN. LAP LENGTH	
	IN TENSION		IN COMPRESSION	IN TENSION	IN COMPRESSION
	S1 (MM)	S2 (MM)	S3 (MM)	S4 (MM)	S5 (MM)
#8	420	325	200	420	300
#10	525	405	210	525	300
#12	630	485	250	630	355
#14	735	565	295	735	410
#16	840	645	335	840	470
#18	945	725	380	945	530
#20	1050	805	420	1050	590
#22	1155	885	460	1155	650
#25	1410	1110	525	1410	735
#28	1665	1335	590	1665	825
#30	1815	1455	630	1815	880
#32	2070	1615	670	2070	940

### NOTES:

- THE INDICATED MINIMUM DEVELOPMENT AND LAP LENGTH IS FOR CLASS 25 CONCRETE. FOR  $f'_c$  OTHER THAN 25 MPa, THE VALUES OF S1, S2, S3, AND S4 SHALL BE MULTIPLIED BY  $\sqrt{f'_c}$ .
- WHEN LIGHTWEIGHT AGGREGATE CONCRETE IS USED, INDICATED VALUE OF S1 AND S2 SHALL BE MULTIPLIED BY 1.3, HOWEVER WHEN THE AVERAGE SPLITTING TENSILE STRENGTH OF LIGHTWEIGHT AGGREGATE CONCRETE ( $f_{ct}$ ) IS SPECIFIED, S1 AND S2 SHALL BE PERMITTED TO BE MULTIPLIED BY  $\sqrt{f_{ct}/f_{ctc}}$ , BUT NOT LESS THAN 1.0.
- FOR EPOXY COATED BARS, S1 AND S2 SHALL BE MULTIPLIED BY 1.3.
- LAP AND DEVELOPMENT LENGTH OF INDIVIDUAL BARS WITHIN A BUNDLE SHALL BE THAT FOR INDIVIDUAL BAR INCREASED BY 20% FOR THREE BAR BUNDLE, 33% FOR FOUR BAR BUNDLE.

## 5. MASONRY

- 5.1 MASONRY UNITS SHALL CONFORM TO THE REQUIREMENTS OF ACI 530/ASCE 5.
- 5.2 MASONRY EXPANSION AND CONTROL JOINT REQUIREMENTS SHALL BE AS INDICATED.
- 5.3 UNLESS OTHERWISE INDICATED, ALL WALLS SHALL BE LAID IN RUNNING BOND.
- 5.4 REINFORCING BARS SHALL BE PROVIDED OF THE GIVEN SIZE AND SPACING AS INDICATED. PROVIDE BARS AT ALL WALL CORNERS, INTERSECTIONS AND OPENING EDGES.
- 5.5 REBAR DOWELS SHALL BE PROVIDED FROM FOUNDATIONS TO MATCH VERTICAL BARS.
- 5.6 LINTEL BEAM SHALL BE PROVIDED ABOVE ALL WALL OPENINGS.

## 6. STEEL

6.1 ALL STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF AISC 360-16.

## 7. NOTES FOR DRAWING NOMENCLATURES

- 7.1 ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METERS UNLESS OTHERWISE NOTED.
- 7.2 INDICATED DIMENSION SHALL PREVAIL AGAINST SCALED DIMENSION.
- 7.3 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS, SHALL NOTIFY THE IPFDD OF ANY DISCREPANCY.
- 7.4 ALL REINFORCING BARS SHALL BE READ AS FOLLOWS:

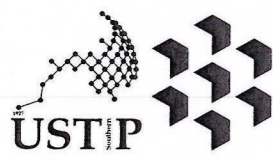
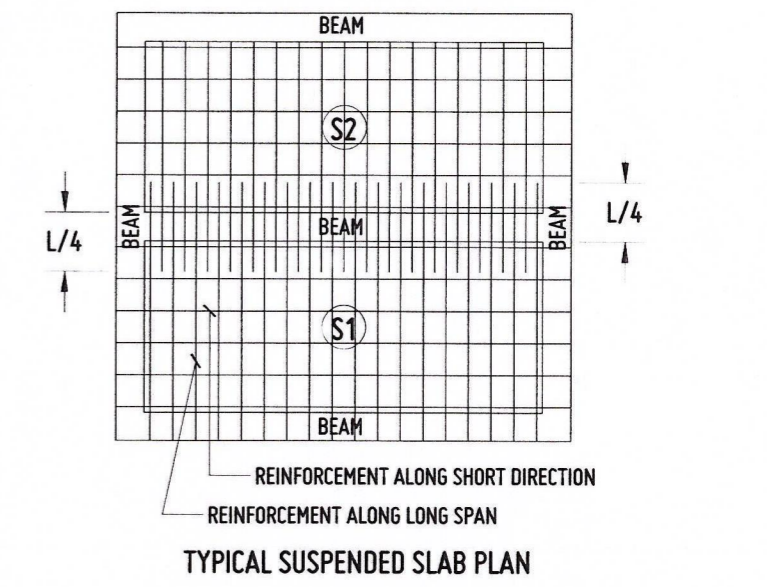
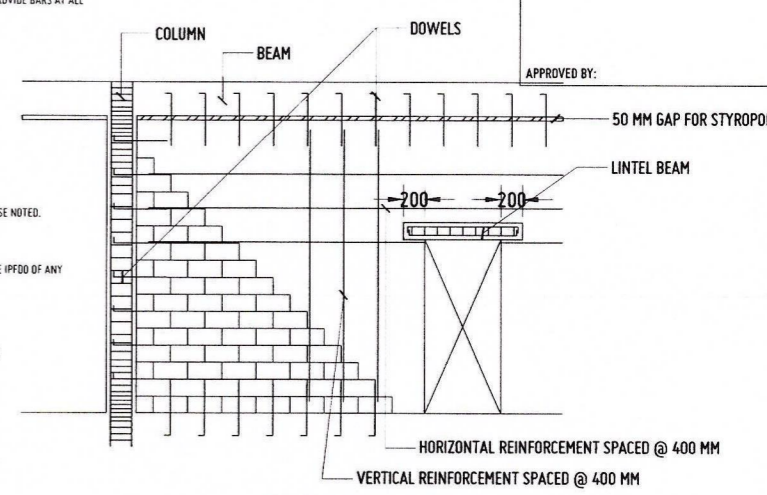
BAR DIAMETER	BAR MARK	LAYER OR LOCATION
94 - #20 - MK8 - 200 - TOP		
QUANTITY	SPACING OF BARS	

## 8. ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE
ADD'L	ADDITIONAL
AP	ALTERNATELY PLACED
AR	ALTERNATELY REVERSED
AS	ALTERNATELY STAGGERED
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
B	BOTTOM
BF	BACK FACE
BW	BOTHWAYS
CL	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTINUOUS
DIA	DIAMETER
DISCONT	DISCONTINUOUS
DTL	DETAIL
DWG	DRAWING
EF	EACH FACE
EL	EXISTING LEVEL
ELEV	ELEVATION
EQ	EQUAL
EW	EACH WAY
EXT	EXTERIOR
FF	FRONT FACE
FIN	FINISH
GLS	GUIDELINE SPECIFICATION
HOR	HORIZONTAL
INT	INTERIOR
LGTH	LENGTH
MIN	MINIMUM
NTS	NOT TO SCALE
OC	ON CENTER
REBAR	REINFORCING BAR
REINF	REINFORCED, REINFORCEMENT OR REINFORCING
SEC	SECTION
SP	SPACING
STIRR	STIRRUPS
SYMM	SYMMETRICAL
T	TOP
THK	THICK
TYP	TYPICAL
UNOT	UNLESS OTHERWISE NOTED
VERT	VERTICAL
WWF	WELDED WIRE FABRIC

## 9. WATER PROOFING

- 9.1 ALL STRUCTURAL CONCRETE IN CONTACT WITH THE GROUND SHALL BE PROTECTED EITHER BY TWO COATS OF BITUMINOUS DAMPROOFING OR BY USE OF WATER PROOF MEMBRANE AS BEEN SHOWN ON THE DETAILED DRAWING.
- POLYETHYLENE SHEET OF 200 MICRON TO BE USED AS VAPOUR BARRIER UNDER MUD SLAB.
- WATER PROOFING TO BE APPLIED ON TO TOP OF MUD CONCRETE AND ABOVE.
- WHEN USING WATER PROOF MEMBRANE, IT SHOULD BE AS PER RC GUIDE SPECI. 07110 (TANKING SYSTEM) ROYAL COMMISSION GUIDELINE SPECIFICATION 07130.



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ERNESTO M. BUJOTE  
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PRC NO. 0044940 PTR NO. 1014386  
DATE 1-23-2025  
TIN 152-20-743 PLACE EL SALVADOR CITY

PROJECT  
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VILLANUEVA CAMPUS  
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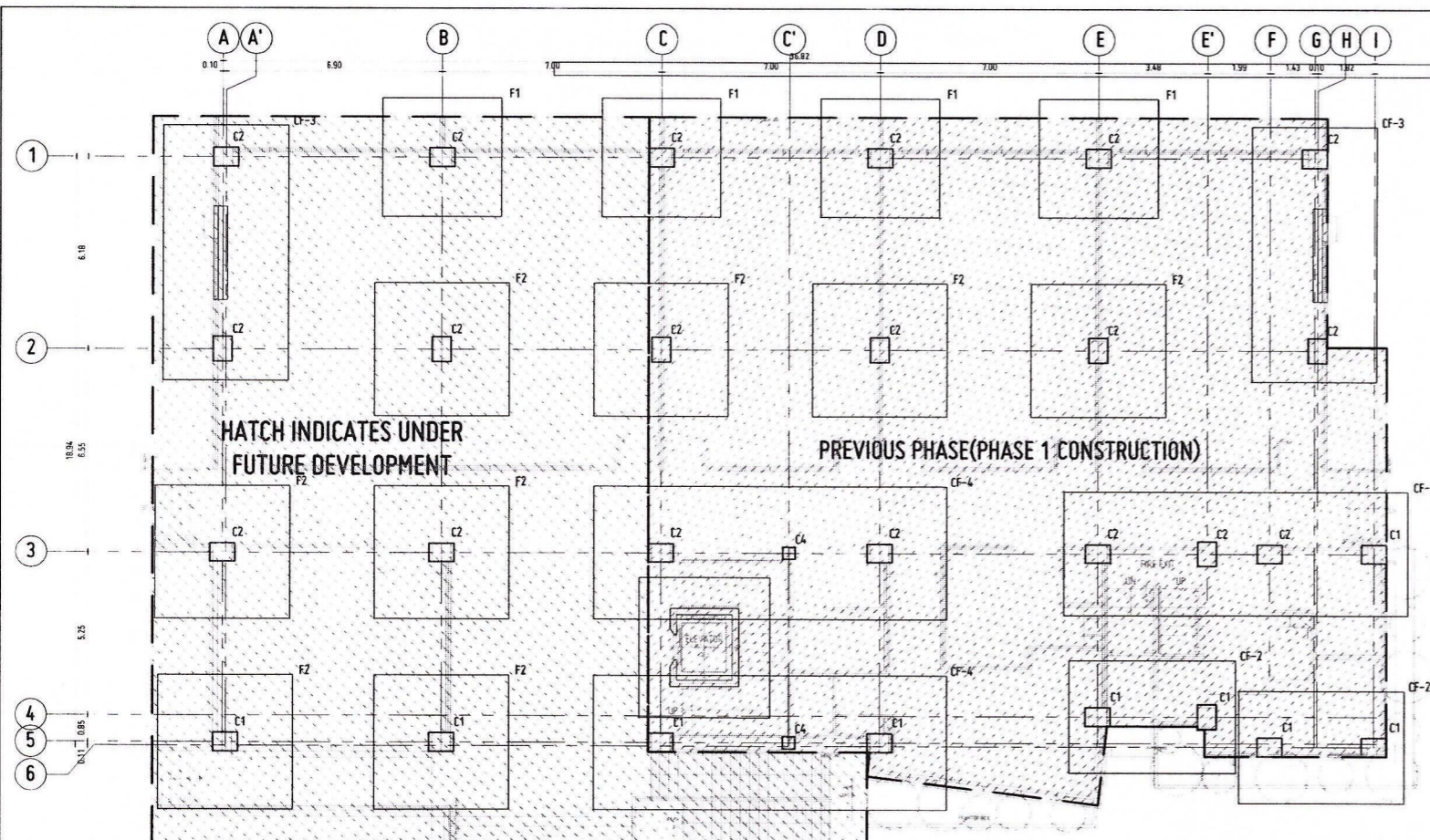
APPROVED BY:  
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PRESIDENT, USTP SYSTEM

SHEET CONTENTS:  
GENERAL NOTES

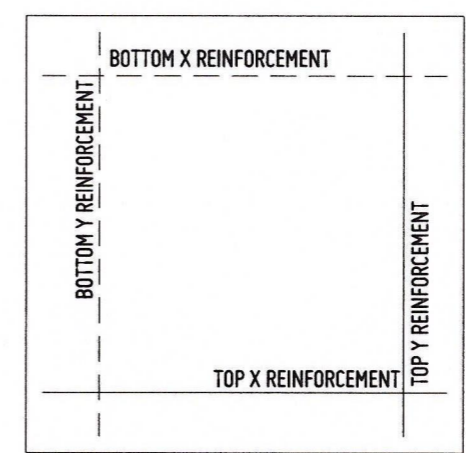
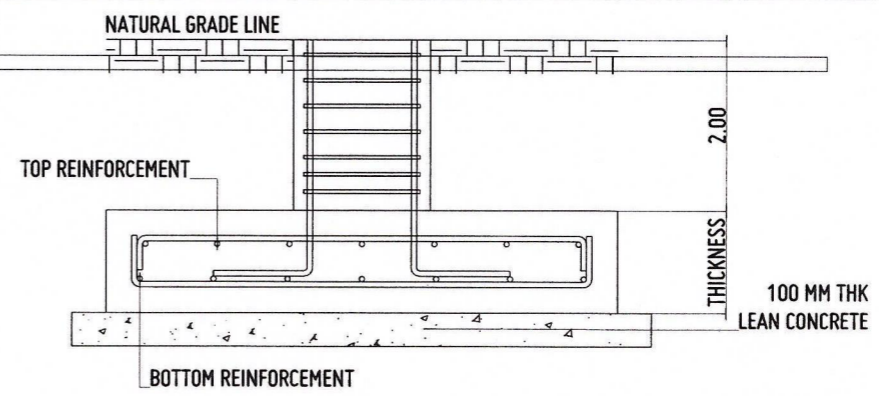
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DATE DRAWN:  
PNT:

S1

APPROVED BY:



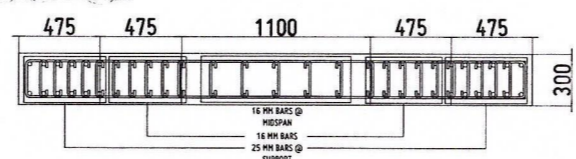
**FOUNDATION LAYOUT**  
SCALE 1:100 MTS



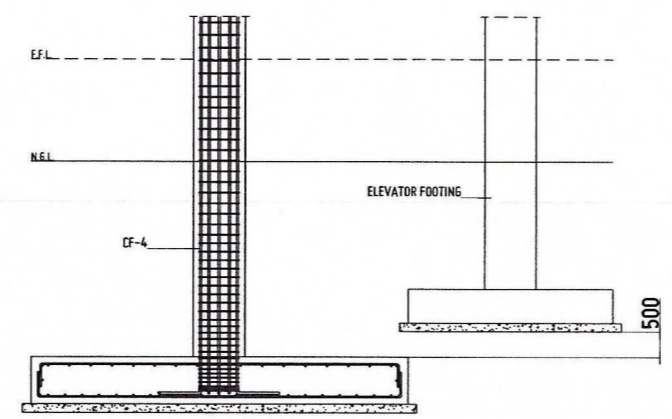
DESIGNATION	DIMENSION		THICKNESS	BAR Ø	MAIN REINFORCEMENT			
	LENGTH	WIDTH			BOT X	BOT Y	TOP X	TOP Y
F1	3800	3800	500	20 MM	22	22	20	20
F2	4300	4300	650	20 MM	25	25	22	22
CF-1	11000	4000	600	20 MM	57	42	75	29
CF-2	5300	3600	600	20 MM	55	38	37	26
CF-3	8200	4000	600	20 MM	44	24	84	35
CF-4	11300	4300	600	20 MM	40	25	37	22

**SCHEDULE OF FOUNDATION AND FOUNDATION (TYPICAL) DETAILS**  
SCALE 1:100 MTS

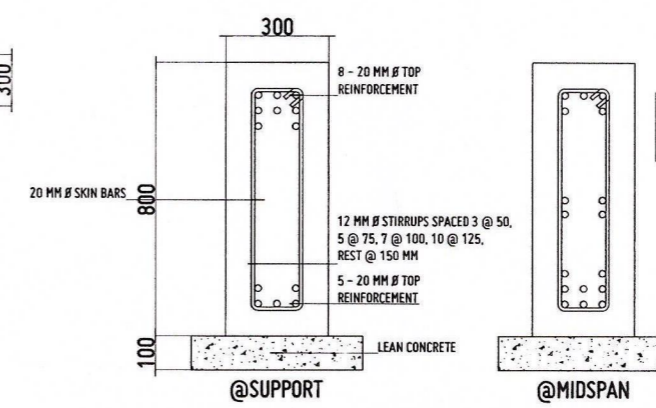
SCHEDULE OF COLUMN	
<p><b>C1 (FOOTING - 3RD FLOOR LEVEL)</b></p>	<p><b>C2 (FOOTING - 3RD FLOOR LEVEL)</b></p>
<p><b>C3 (3RD FLOOR LEVEL - ROOF DECK LEVEL)</b></p>	<p><b>C5 (ROOF DECK - ROOF BEAM)</b></p>



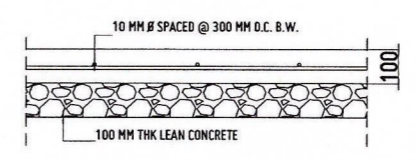
**SHEAR WALL DETAILS**  
SCALE 1:100 MTS



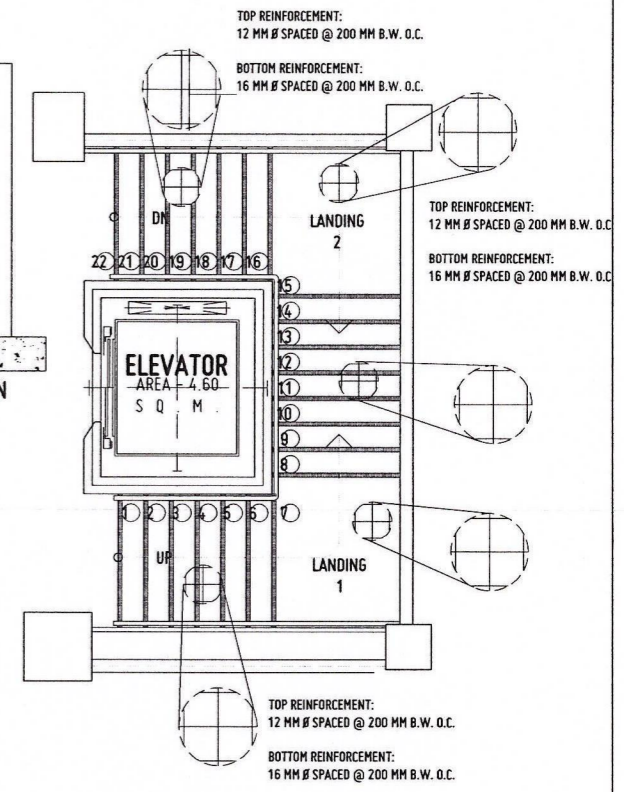
**FOOTING ELEV. DETAILS**  
SCALE 1:100 MTS



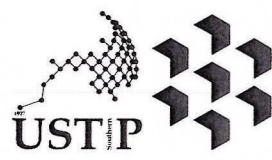
**TIE BEAM (TB) DETAILS**  
SCALE 1:100 MTS



**SLAB ON GRADE DETAILS**  
SCALE 1:100 MTS



**MAIN STAIRS DETAILS**  
SCALE 1:100 MTS



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CIVIL/STRUCTURAL ENGINEER  
PRC NO. 00-4940 PIR NO. 1014308  
DATE 1-23-2025  
TIN 152-320-743 PLACE EL SALVADOR CITY

**PROJECT** CONSTRUCTION OF 21ST CENTURY CLASSROOM BUILDINGS PHASE III, VILLANUEVA CAMPUS  
**LOCATION** USTP VILLANUEVA CAMPUS, MISAMIS ORIENTAL  
**OWNER** UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

**RECOMMENDING APPROVAL:**  
**ENGR. GRACE C. BABA**  
DIRECTOR, IPFDO

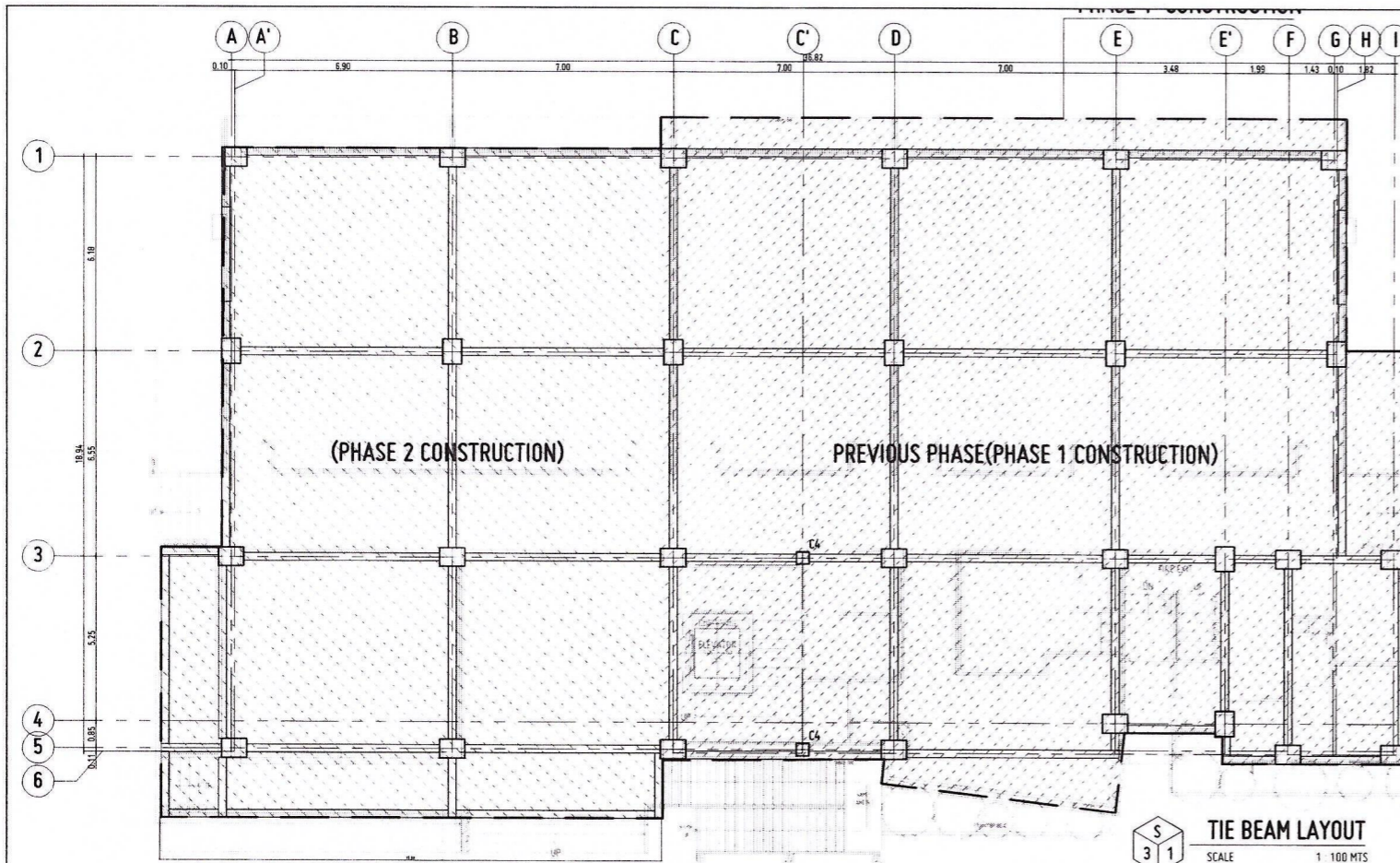
**RECOMMENDING APPROVAL:**  
**ATTY. ERWIN B. BULIB**  
VP FOR ADMINISTRATION & LEGAL AFFAIRS

**APPROVED BY:**  
**DR. AMBROSIO B. CULTURA II**  
PRESIDENT, USTP SYSTEM

**SHEET CONTENTS:**  
FOUNDATION LAYOUT  
SCHEDULE OF FOUNDATION AND FOUNDATION (TYPICAL) DETAILS  
TIE BEAM (TB) DETAILS  
SLAB ON GRADE DETAILS  
MAIN STAIRS DETAILS

**DRAWN BY:**  
**DATE DRAWN:** 07.10.2020  
**FMT:**

**S2**



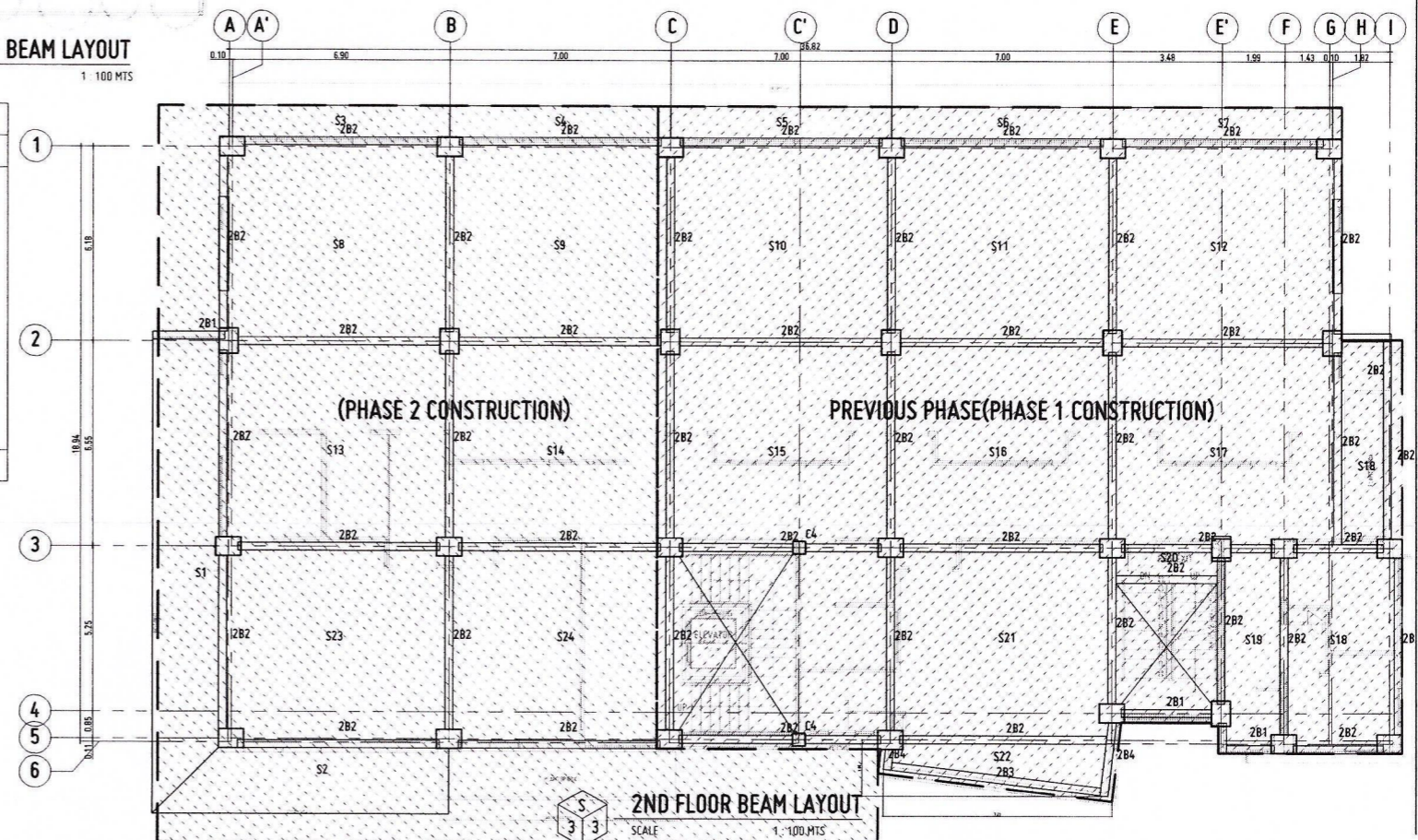
SCHEDULE OF BEAMS					
LEVEL	DETAIL				
	<table border="1"> <tr> <td> <b>250</b>            6 - 20 MM # TOP REINFORCEMENT            2 - 20 MM # TORSION BARS            12 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM            4 - 20 MM # TOP REINFORCEMENT            @SUPPORT         </td> <td> <b>300</b>            8 - 20 MM # TOP REINFORCEMENT            2 - 20 MM # TORSION BARS            12 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM            5 - 20 MM # TOP REINFORCEMENT            @MIDSPAN         </td> </tr> <tr> <td>2B1</td> <td>2B2</td> </tr> </table>	<b>250</b> 6 - 20 MM # TOP REINFORCEMENT 2 - 20 MM # TORSION BARS 12 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM 4 - 20 MM # TOP REINFORCEMENT @SUPPORT	<b>300</b> 8 - 20 MM # TOP REINFORCEMENT 2 - 20 MM # TORSION BARS 12 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM 5 - 20 MM # TOP REINFORCEMENT @MIDSPAN	2B1	2B2
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2B1	2B2				
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2B3	2B4				

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OFFICE OF THE BUILDING OFFICIAL  
VILLANUEVA, MISAMIS ORIENTAL

APPROVED BY:

SCHEDULE OF BEAMS					
LEVEL	DETAIL				
	<table border="1"> <tr> <td> <b>200</b>            5 - 20 MM # TOP REINFORCEMENT            12 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM            3 - 20 MM # TOP REINFORCEMENT            @SUPPORT         </td> <td> <b>250</b>            9 - 20 MM # TOP REINFORCEMENT            2 - 20 MM # TORSION BARS            12 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM            5 - 20 MM # TOP REINFORCEMENT            @MIDSPAN         </td> </tr> <tr> <td>3B1</td> <td>3B2</td> </tr> </table>	<b>200</b> 5 - 20 MM # TOP REINFORCEMENT 12 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM 3 - 20 MM # TOP REINFORCEMENT @SUPPORT	<b>250</b> 9 - 20 MM # TOP REINFORCEMENT 2 - 20 MM # TORSION BARS 12 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM 5 - 20 MM # TOP REINFORCEMENT @MIDSPAN	3B1	3B2
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**SUSPENDED SLAB DETAILS**  
SCALE 1:100 MTS



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CIVIL STRUCTURAL ENGINEER

PRC NO. 0044840 PTR NO. 101386  
DATE 1-23-2025  
FIN 151-320-743 PLACE EL SALVADOR CITY

PROJECT  
LOCATION  
OWNER

**CONSTRUCTION OF 21ST CENTURY CLASSROOM BUILDINGS PHASE III, VILLANUEVA CAMPUS**  
USTP VILLANUEVA CAMPUS, MISAMIS ORIENTAL  
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL

**ENGR. GRACE C. BABA**  
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VP FOR ADMINISTRATION & LEGAL AFFAIRS

APPROVED BY:

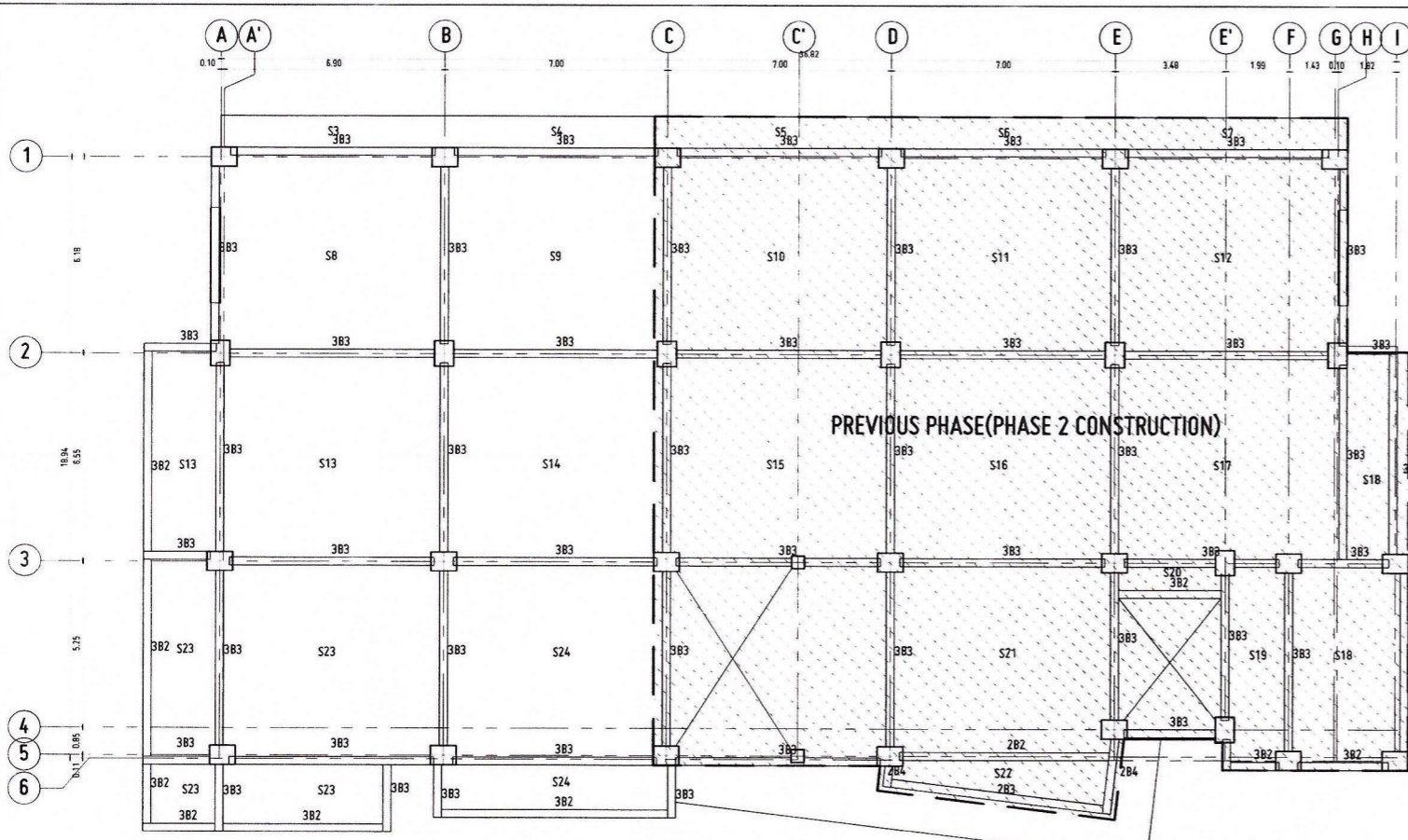
**DR. AMBROSIO B. CULTURA II**  
PRESIDENT, USTP SYSTEM

SHEET CONTENTS:  
TIE BEAM LAYOUT  
SUSPENDED SLAB DETAILS  
2ND FLOOR BEAM LAYOUT

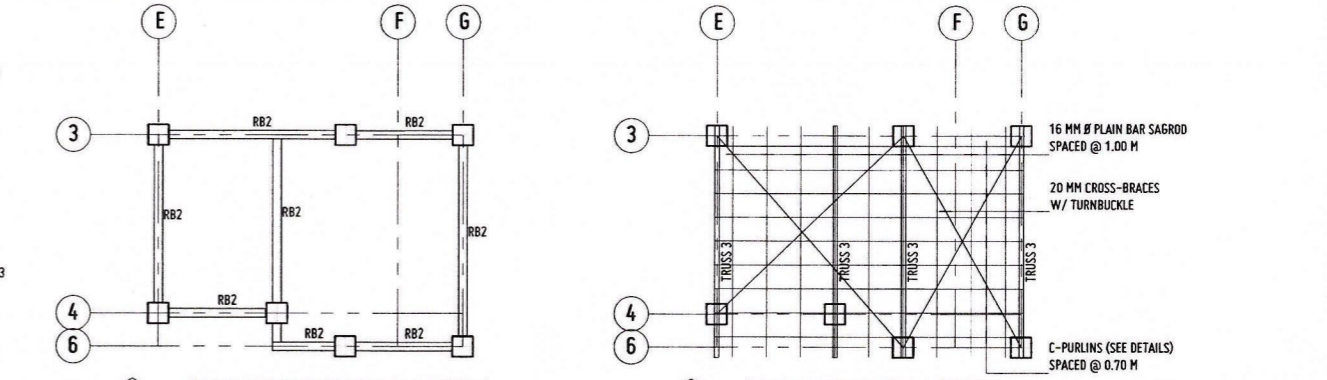
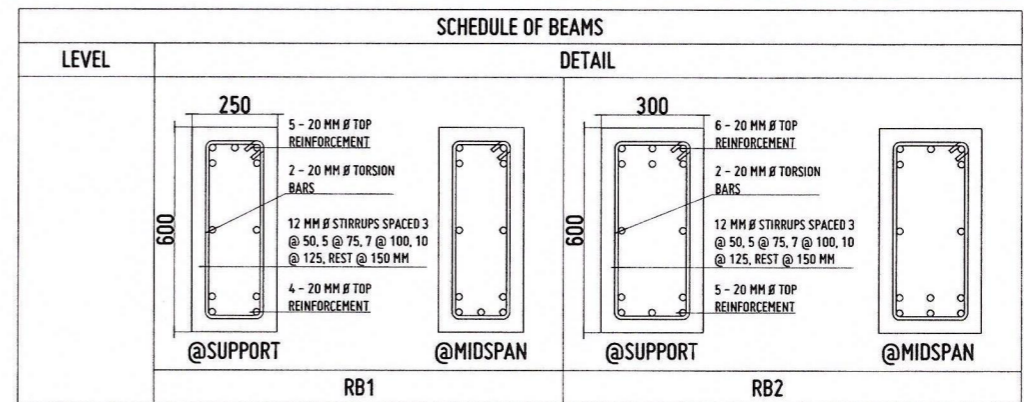
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PNT:

**S3**

APPROVED BY:



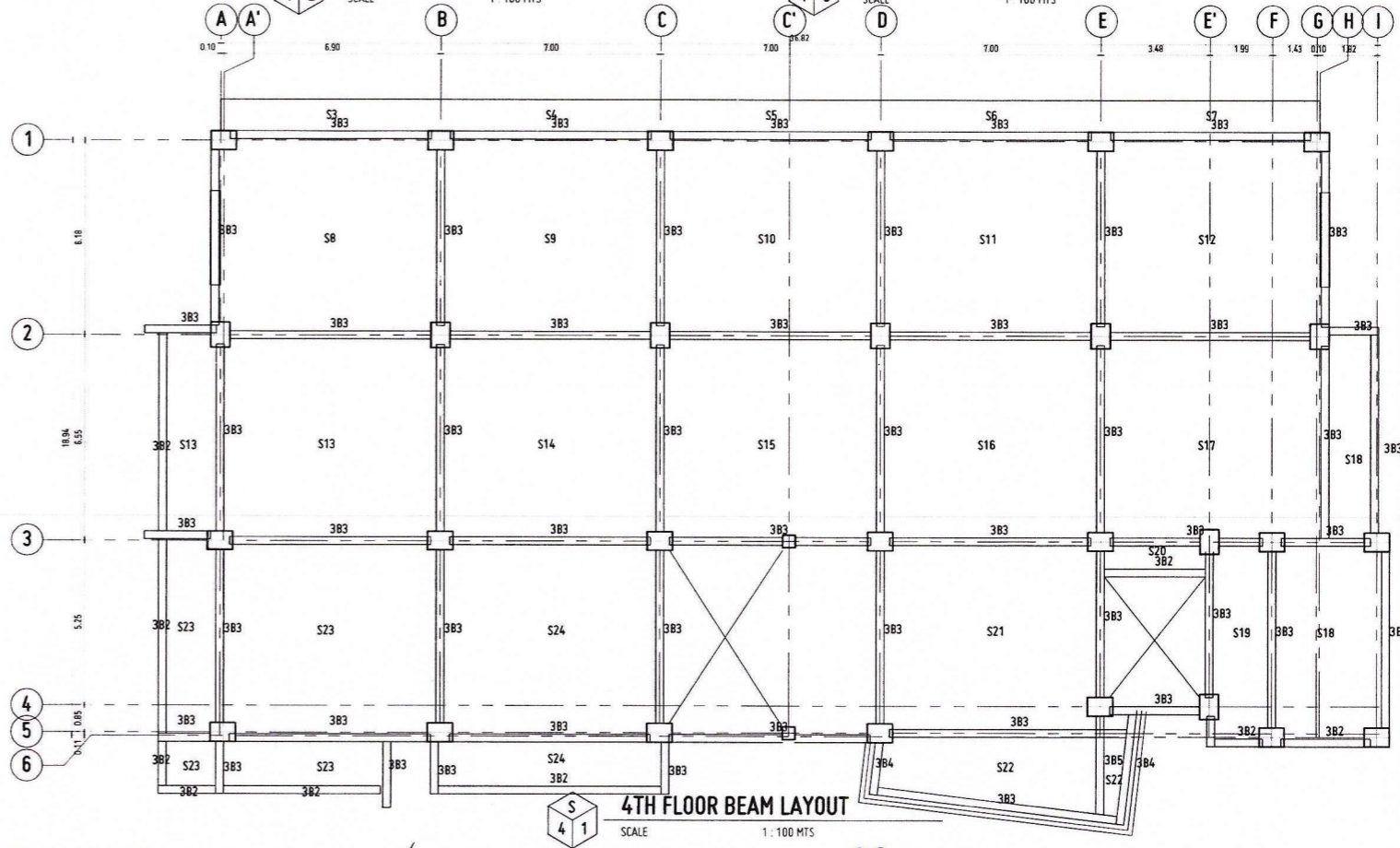
**3RD FLOOR BEAM LAYOUT**  
SCALE 1:100 MTS



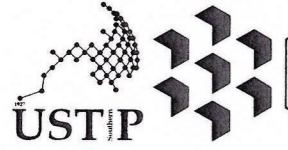
**ROOF DECK ROOF BEAM LAYOUT**  
SCALE 1:100 MTS

**ROOF DECK TRUSS LAYOUT**  
SCALE 1:100 MTS

LEVEL	MARK	THICKNESS	SCHEDULE OF SLABS				REMARKS
			REBARS SPACING ALONG SHORT DIRECTION		REBARS SPACING ALONG LONG DIRECTION		
			TOP REINF.	BOT REINF.	TOP REINF.	BOT REINF.	
S1	150	12 MM # @ 350	10 MM # @ 100	12 MM # @ 350	10 MM # @ 75	CANTI.	
S2	150	12 MM # @ 150	10 MM # @ 250	12 MM # @ 75	10 MM # @ 250	CANTI.	
S3	150	12 MM # @ 150	10 MM # @ 250	12 MM # @ 300	10 MM # @ 250	CANTI.	
S4	150	12 MM # @ 150	10 MM # @ 250	12 MM # @ 300	10 MM # @ 250	CANTI.	
S5	150	12 MM # @ 150	10 MM # @ 250	12 MM # @ 300	10 MM # @ 250	CANTI.	
S6	150	12 MM # @ 150	10 MM # @ 250	12 MM # @ 300	10 MM # @ 250	CANTI.	
S7	150	12 MM # @ 150	10 MM # @ 250	12 MM # @ 300	10 MM # @ 250	CANTI.	
S8	150	10 MM # @ 250	12 MM # @ 200	10 MM # @ 250	12 MM # @ 300	TWO-WAY	
S9	150	10 MM # @ 250	12 MM # @ 200	10 MM # @ 250	12 MM # @ 300	TWO-WAY	
S10	150	10 MM # @ 250	12 MM # @ 200	10 MM # @ 250	12 MM # @ 300	TWO-WAY	
S11	150	10 MM # @ 250	12 MM # @ 200	10 MM # @ 250	12 MM # @ 300	TWO-WAY	
S12	150	10 MM # @ 250	12 MM # @ 200	10 MM # @ 250	12 MM # @ 300	TWO-WAY	
S13	150	10 MM # @ 200	12 MM # @ 200	10 MM # @ 200	12 MM # @ 200	TWO-WAY	
S14	150	10 MM # @ 200	12 MM # @ 250	10 MM # @ 200	12 MM # @ 200	TWO-WAY	
S15	150	10 MM # @ 250	12 MM # @ 200	10 MM # @ 200	12 MM # @ 200	TWO-WAY	
S16	150	10 MM # @ 300	12 MM # @ 200	10 MM # @ 250	12 MM # @ 150	TWO-WAY	
S17	150	10 MM # @ 300	12 MM # @ 200	10 MM # @ 250	12 MM # @ 250	TWO-WAY	
S18	150	10 MM # @ 300	12 MM # @ 300	10 MM # @ 250	12 MM # @ 250	TWO-WAY	
S19	150	10 MM # @ 300	12 MM # @ 300	10 MM # @ 250	12 MM # @ 250	TWO-WAY	
S20	150	10 MM # @ 200	12 MM # @ 250	10 MM # @ 250	12 MM # @ 50	TWO-WAY	
S21	150	10 MM # @ 250	12 MM # @ 150	10 MM # @ 150	12 MM # @ 50	TWO-WAY	
S22	150	10 MM # @ 150	12 MM # @ 150	10 MM # @ 250	12 MM # @ 250	TWO-WAY	
S23	150	10 MM # @ 300	12 MM # @ 200	10 MM # @ 250	12 MM # @ 200	TWO-WAY	
S24	150	10 MM # @ 300	12 MM # @ 125	10 MM # @ 250	12 MM # @ 200	TWO-WAY	



**4TH FLOOR BEAM LAYOUT**  
SCALE 1:100 MTS



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**ERNESTO C. QUINOTE**  
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PRC NO. 004494D PTR NO. 104386  
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TIN 52-320-743 PLAC EL SALVADOR CITY

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PRESIDENT, USTP SYSTEM

SHEET CONTENTS:  
3RD AND 4TH FLOOR BEAM LAYOUT  
ROOF DECK TRUSS LAYOUT  
DRAWN BY:  
DATE DRAWN:  
PNT:

**S4**