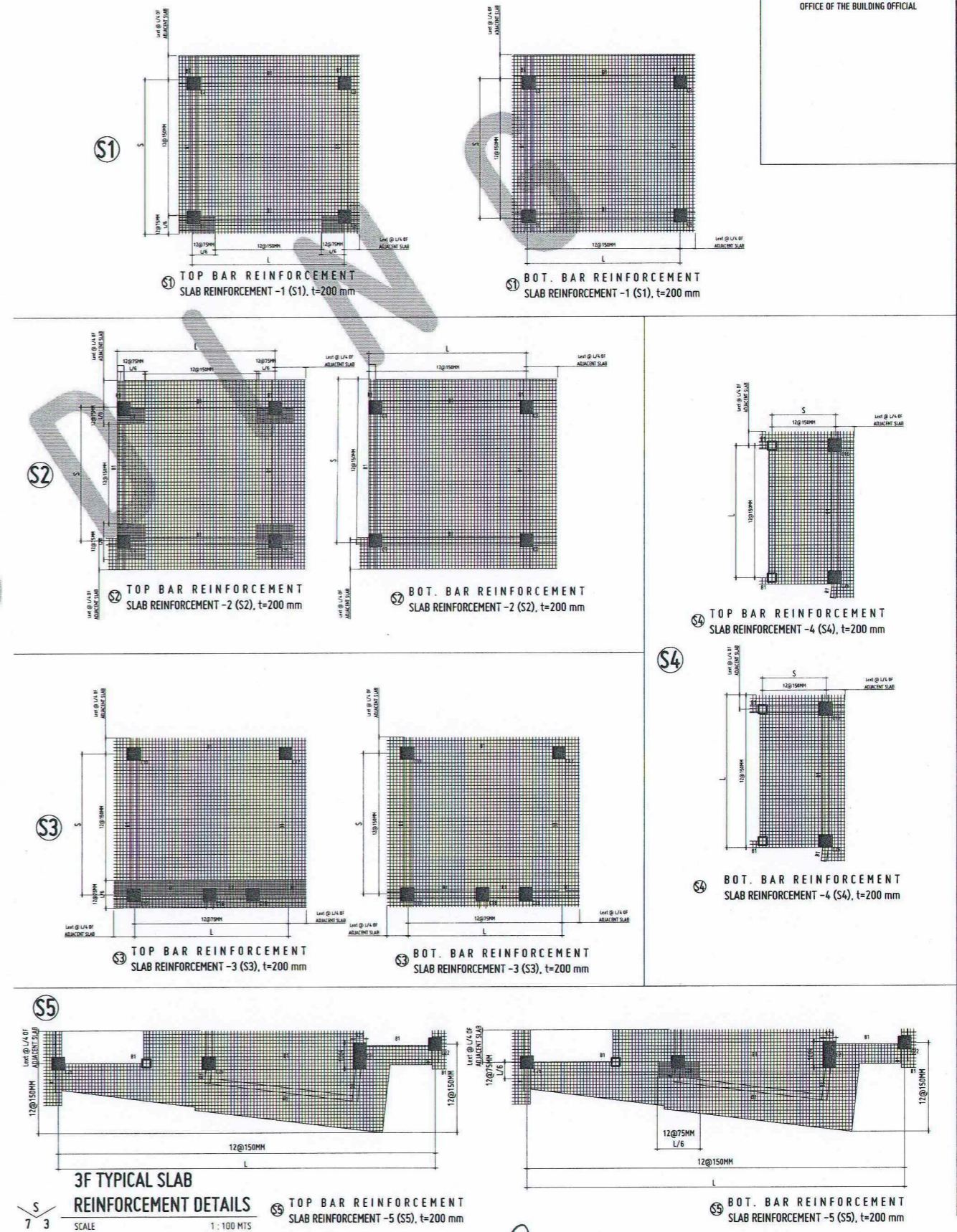


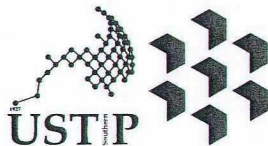
**S 7 1**  
**3RD FLOOR BEAM LAYOUT**  
SCALE 1:100 MTS

B1	B2	B3	B4
10 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM	10 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM	10 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM	10 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM
MIDSPAN	MIDSPAN	MIDSPAN	SUPPORT/CANTILEVER

**S 7 2**  
**3RD FLOOR BEAM SCHEDULE**  
SCALE 1:20 MTS



**S 7 3**  
**3F TYPICAL SLAB REINFORCEMENT DETAILS**  
SCALE 1:100 MTS



REPUBLIC OF THE PHILIPPINES  
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES  
CAGAYAN DE ORO CAMPUS  
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT  
CLARIO M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY 9000  
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**ERNESTO CH. QUIJOTE**  
CIVIL/STRUCTURAL ENGINEER  
PRC NO. 0044540 PTR NO. 1167669  
DATE 1-28-2026  
TIN 152-320-743 PLACE EL SALVADOR CITY

PROJECT PROPOSED CONSTRUCTION OF SMART ACADEMIC BUILDING  
PHASE 1, JASAAN CAMPUS  
LOCATION USTP JASAAN CAMPUS, MISAMIS ORIENTAL  
OWNER UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

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

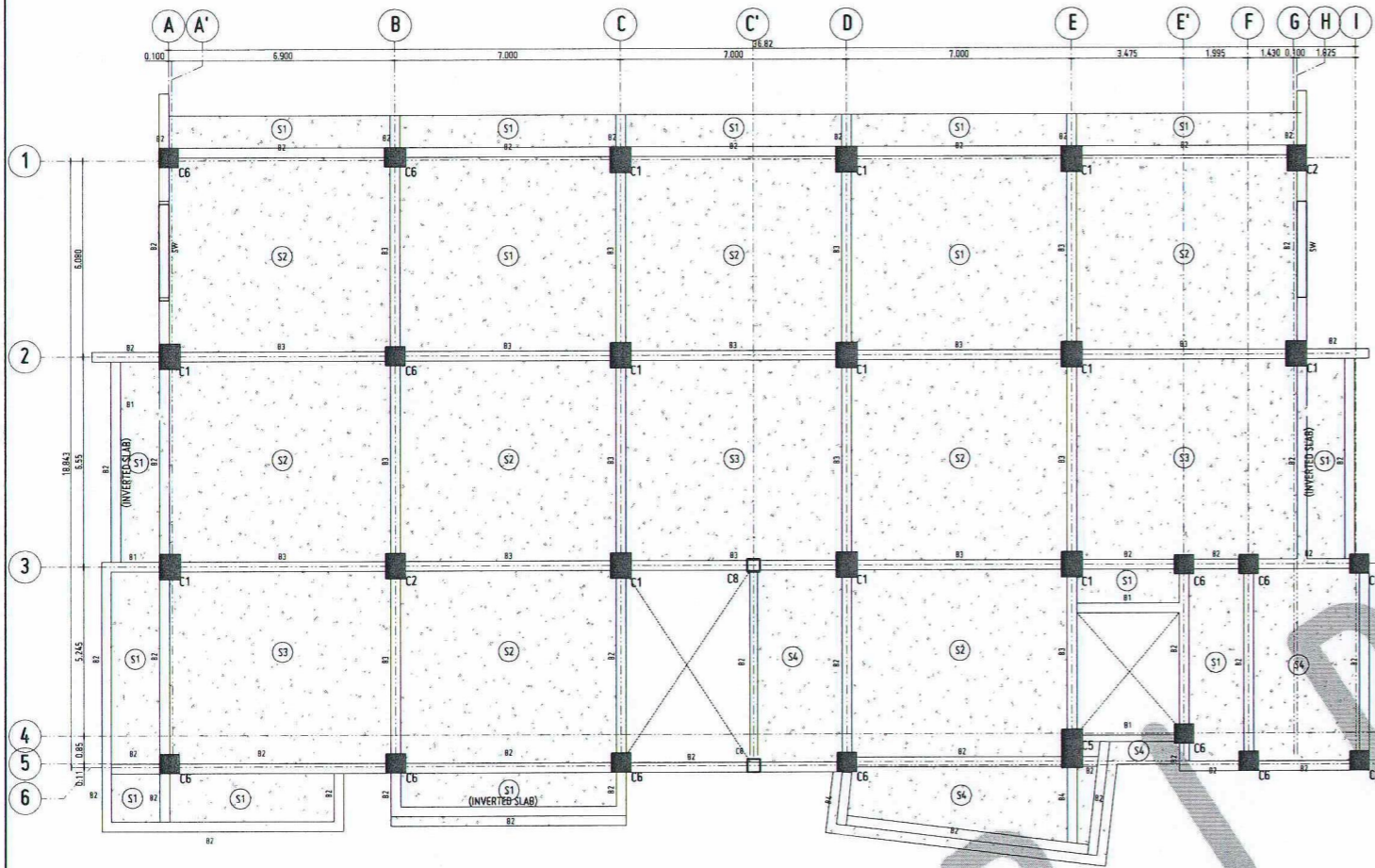
RECOMMENDING APPROVAL:  
**ATTY. ERWIN B. BUICO**  
VP FOR ADMINISTRATION & LEGAL AFFAIRS

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

SHEET CONTENTS:  
3F BEAM LAYOUT  
3F BEAM SCHEDULE  
3F TYPICAL SLAB REINFORCEMENT DETAILS

DRAWN BY:  
DATE DRAWN:  
10.01.2025  
PNT:

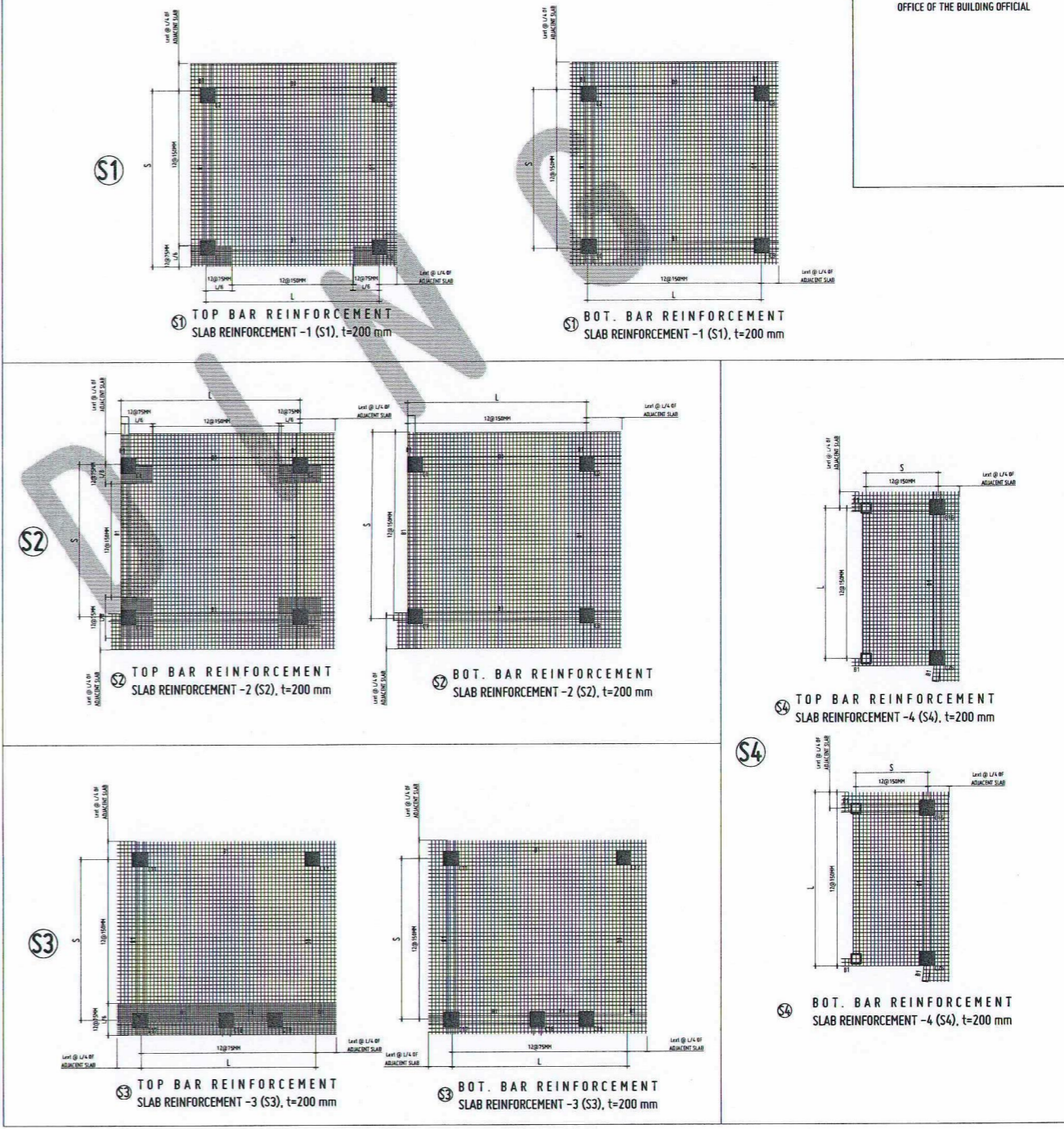
**S7**



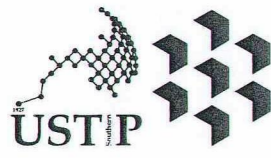
**S 1**  
**4TH FLOOR BEAM LAYOUT**  
SCALE: 1:100 MTS

<b>B1</b>	10 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM	<b>B2</b>	10 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM	<b>B3</b>	10 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM	<b>B4</b>	10 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM
	MIDSPAN		MIDSPAN		MIDSPAN		SUPPORT
	SUPPORT		SUPPORT/CANTILEVER		SUPPORT		SUPPORT/CANTILEVER

**S 2**  
**4TH FLOOR BEAM SCHEDULE**  
SCALE: 1:20 MTS



**S 3**  
**4F TYPICAL SLAB REINFORCEMENT DETAILS**  
SCALE: 1:100 MTS



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**ERNESTO CH. QUIJOTE**  
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DATE 1-28-2025  
PLACE EL SALVADOR CITY

PROJECT: PROPOSED CONSTRUCTION OF SMART ACADEMIC BUILDING PHASE 1, JASAAN CAMPUS  
LOCATION: USTP JASAAN CAMPUS, MISAMIS ORIENTAL  
OWNER: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

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

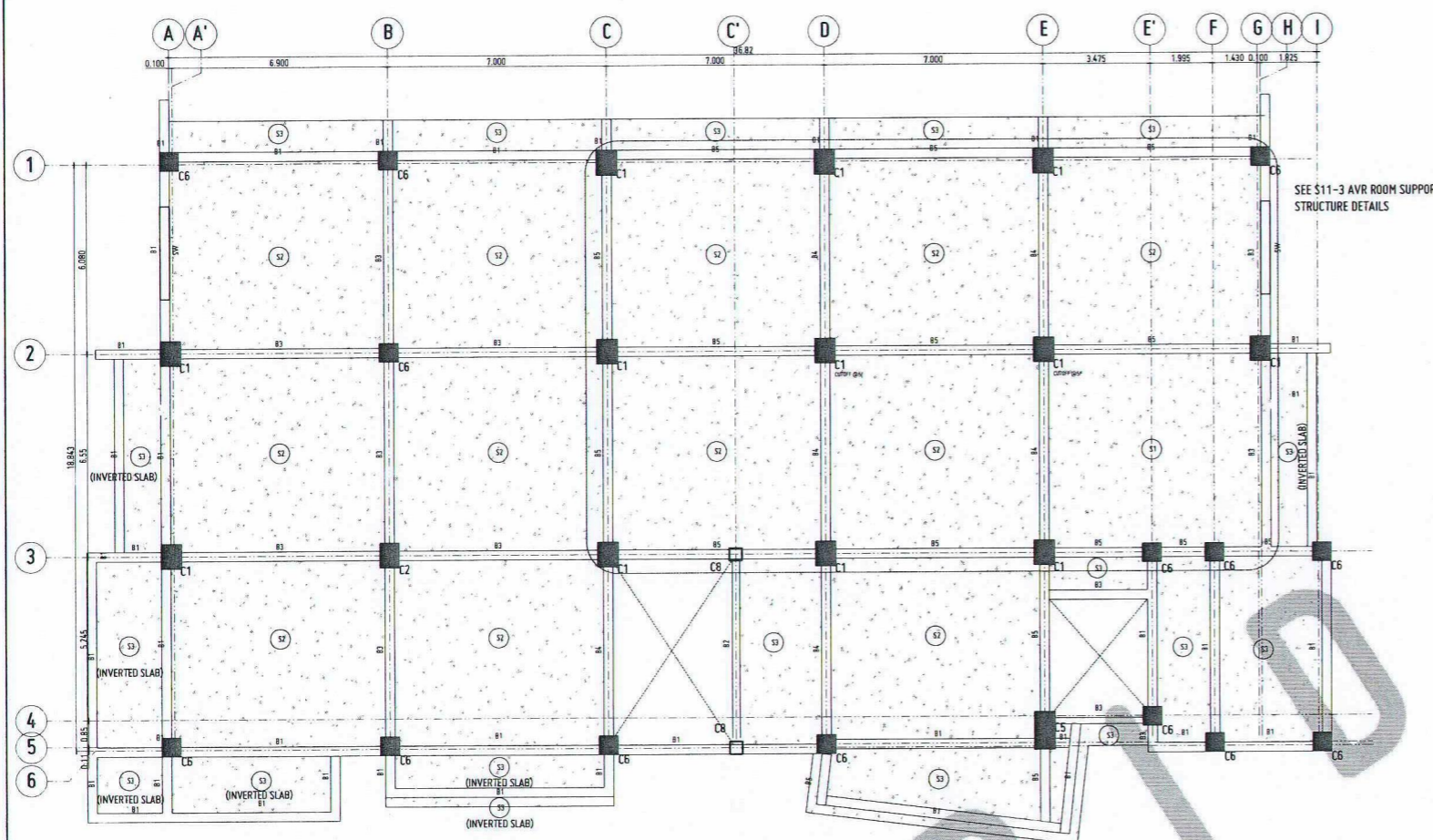
RECOMMENDING APPROVAL:  
**ATTY. ERWIN B. BUETO**  
VP FOR ADMINISTRATION & LEGAL AFFAIRS

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

SHEET CONTENTS:  
4F BEAM LAYOUT  
4F BEAM SCHEDULE  
4F TYPICAL SLAB REINFORCEMENT DETAILS

DRAWN BY:  
DATE DRAWN:  
10.01.2025  
PNT:

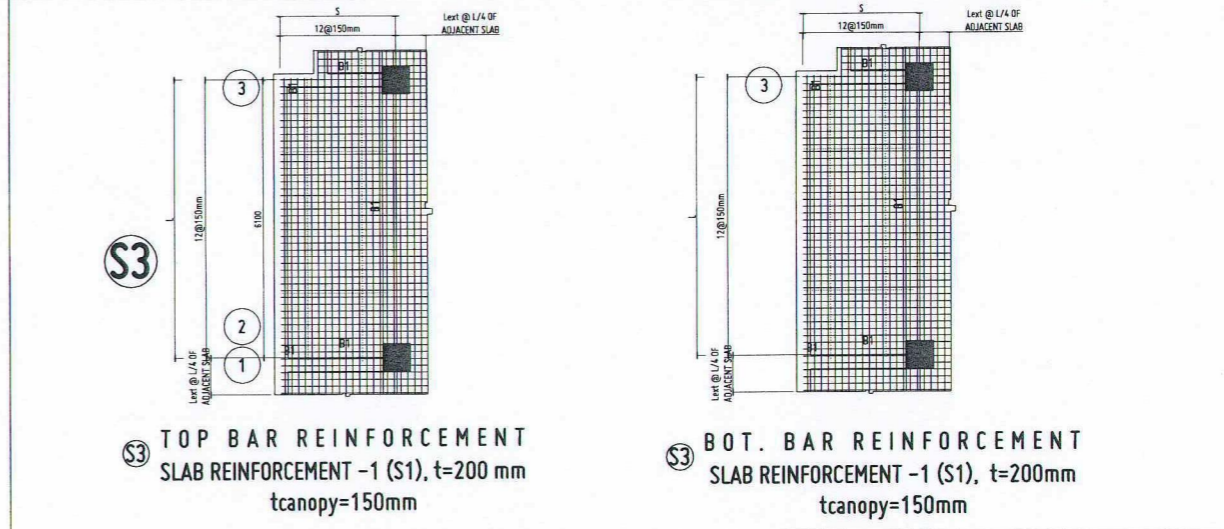
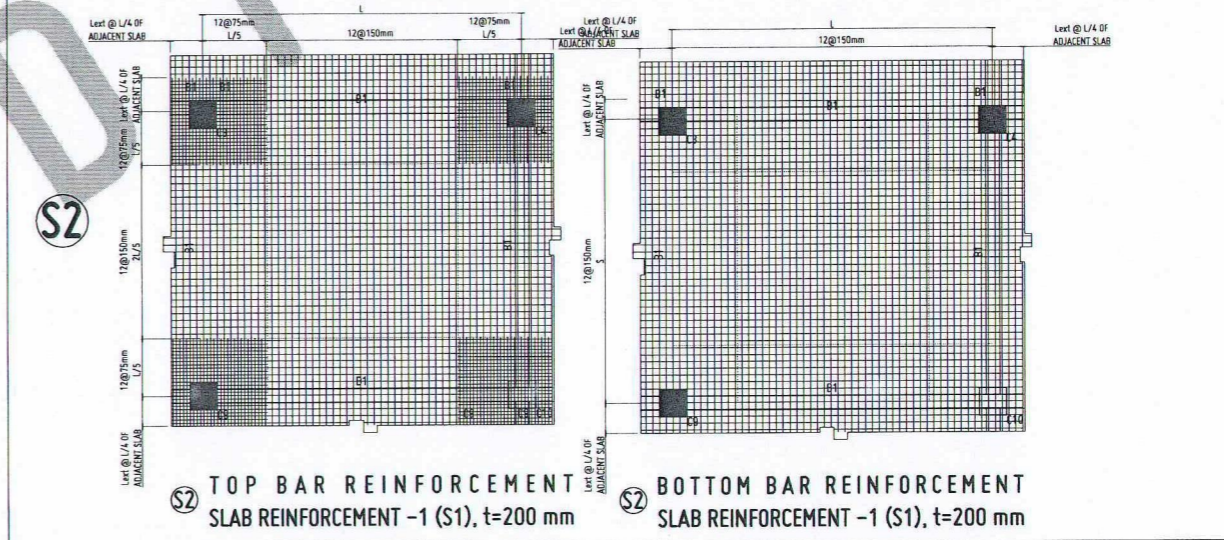
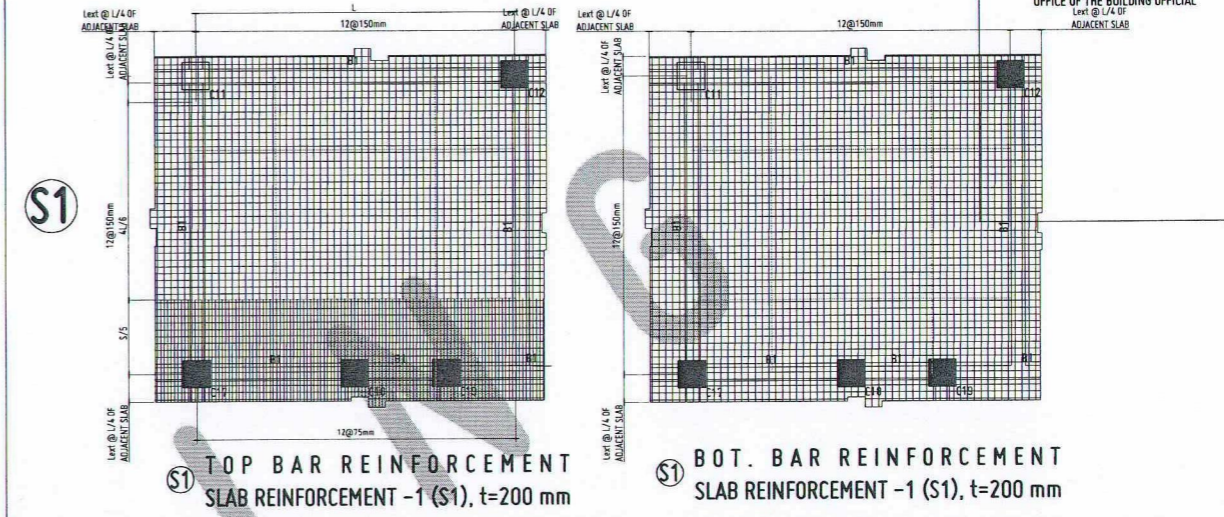
**S8**



**S 9 1**  
**5TH FLOOR BEAM LAYOUT**  
SCALE 1:100 MTS

<p><b>B1</b> 10 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM</p> <p>MIDSPAN SUPPORT/CANTILEVER</p>	<p><b>B2</b> 10 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM</p> <p>MIDSPAN SUPPORT/CANTILEVER</p>	<p><b>B3</b> 10 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM</p> <p>MIDSPAN SUPPORT/CANTILEVER</p>
<p><b>B4</b> 10 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM</p> <p>MIDSPAN SUPPORT/CANTILEVER</p>	<p><b>B5</b> 10 MM # STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM</p> <p>MIDSPAN SUPPORT/CANTILEVER</p>	

**S 9 2**  
**5TH FLOOR BEAM SCHEDULE**  
SCALE 1:20 MTS



**S 9 3**  
**5F TYPICAL SLAB REINFORCEMENT DETAILS**  
SCALE 1:100 MTS



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TIN 152-320-743 PLACE EL SALVADOR CITY

PROJECT PROPOSED CONSTRUCTION OF SMART ACADEMIC BUILDING  
PHASE 1, JASAAN CAMPUS  
LOCATION USTP JASAAN CAMPUS, MISAMIS ORIENTAL  
OWNER UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

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

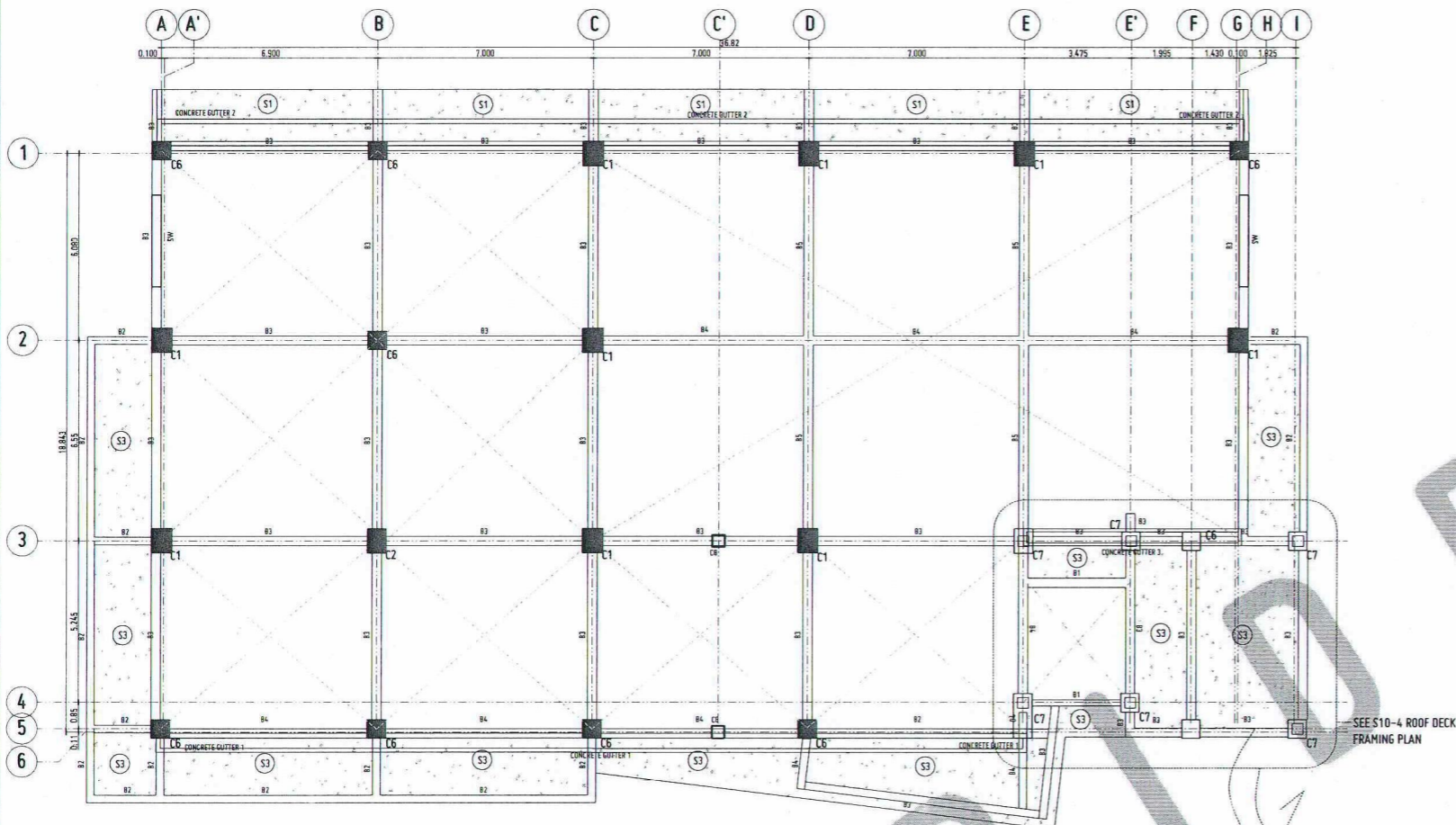
RECOMMENDING APPROVAL:  
**ATTY. ERWIN B. BUCIO**  
VP FOR ADMINISTRATION & LEGAL AFFAIRS

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

SHEET CONTENTS:  
SF BEAM LAYOUT  
SF BEAM SCHEDULE  
SF TYPICAL SLAB REINFORCEMENT DETAILS

DRAWN BY:  
DATE DRAWN:  
10.01.2025  
PNT:

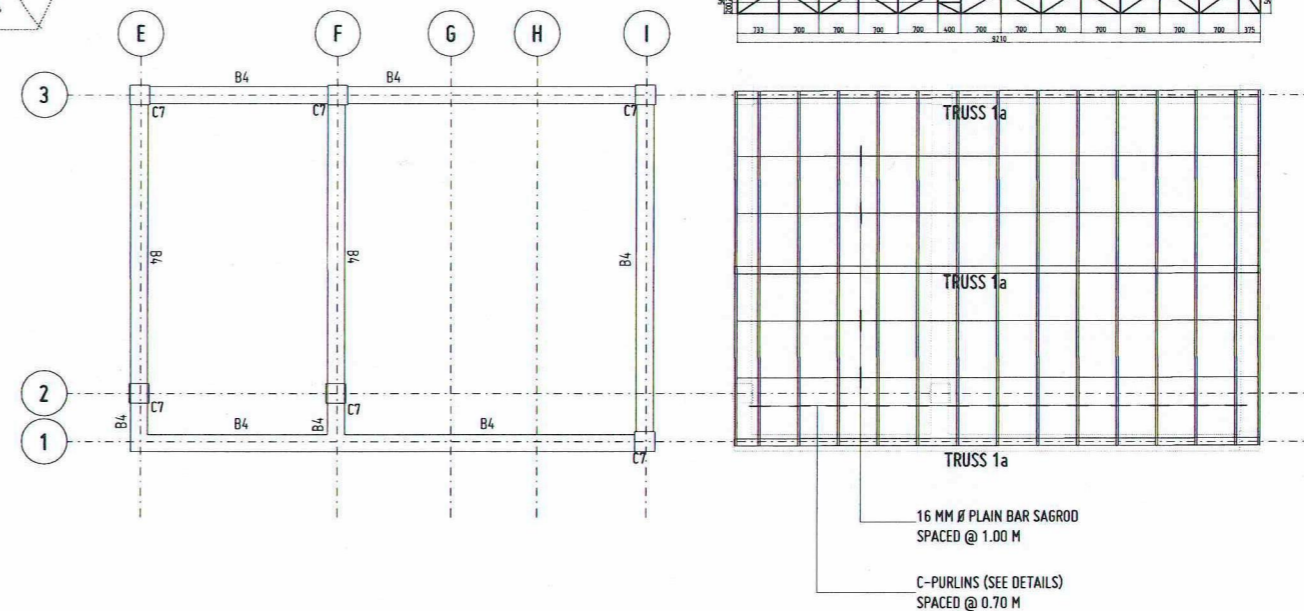
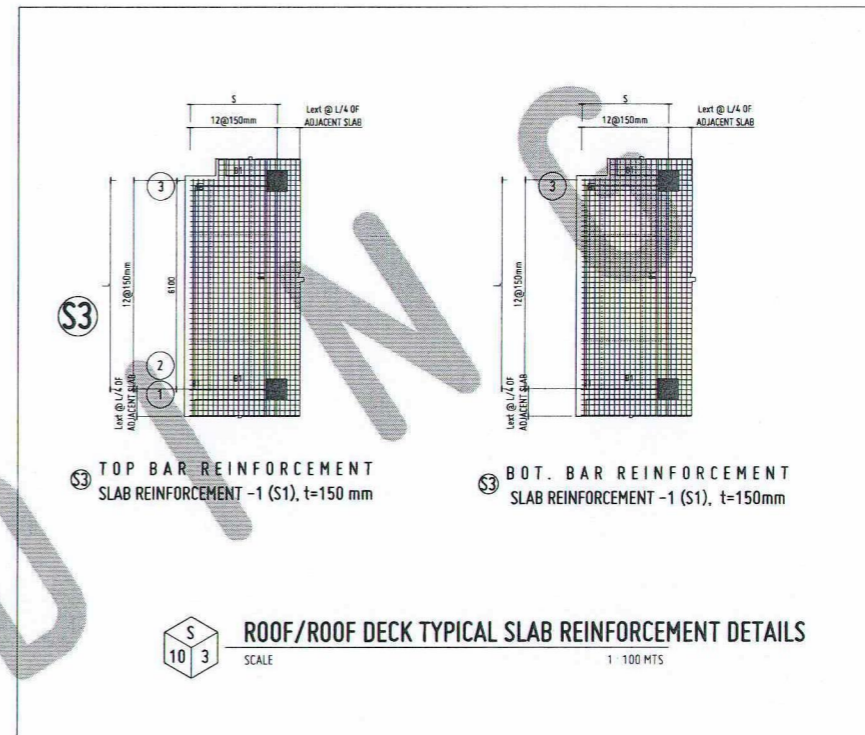
**S9**



**S 10 1** ROOF/ROOF DECK BEAM LAYOUT  
SCALE 1:100 MTS

Beam ID	Reinforcement Details
B1	10 MM Ø STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM 
B2	10 MM Ø STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM 
B3	10 MM Ø STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM 
B4	10 MM Ø STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM 
B5	10 MM Ø STIRRUPS SPACED 3 @ 50, 5 @ 75, 7 @ 100, 10 @ 125, REST @ 150 MM 

**S 10 1** ROOF/ROOF DECK BEAM SCHEDULE  
SCALE 1:20 MTS



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PRC NO. 0044940 PFR NO. 1167669  
DATE 1-28-2026  
TIN 152-320-743 PLACE EL SALVADOR CITY

PROJECT: PROPOSED CONSTRUCTION OF SMART ACADEMIC BUILDING PHASE 1, JASAAN CAMPUS  
LOCATION: USTP JASAAN CAMPUS, MISAMIS ORIENTAL  
OWNER: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

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

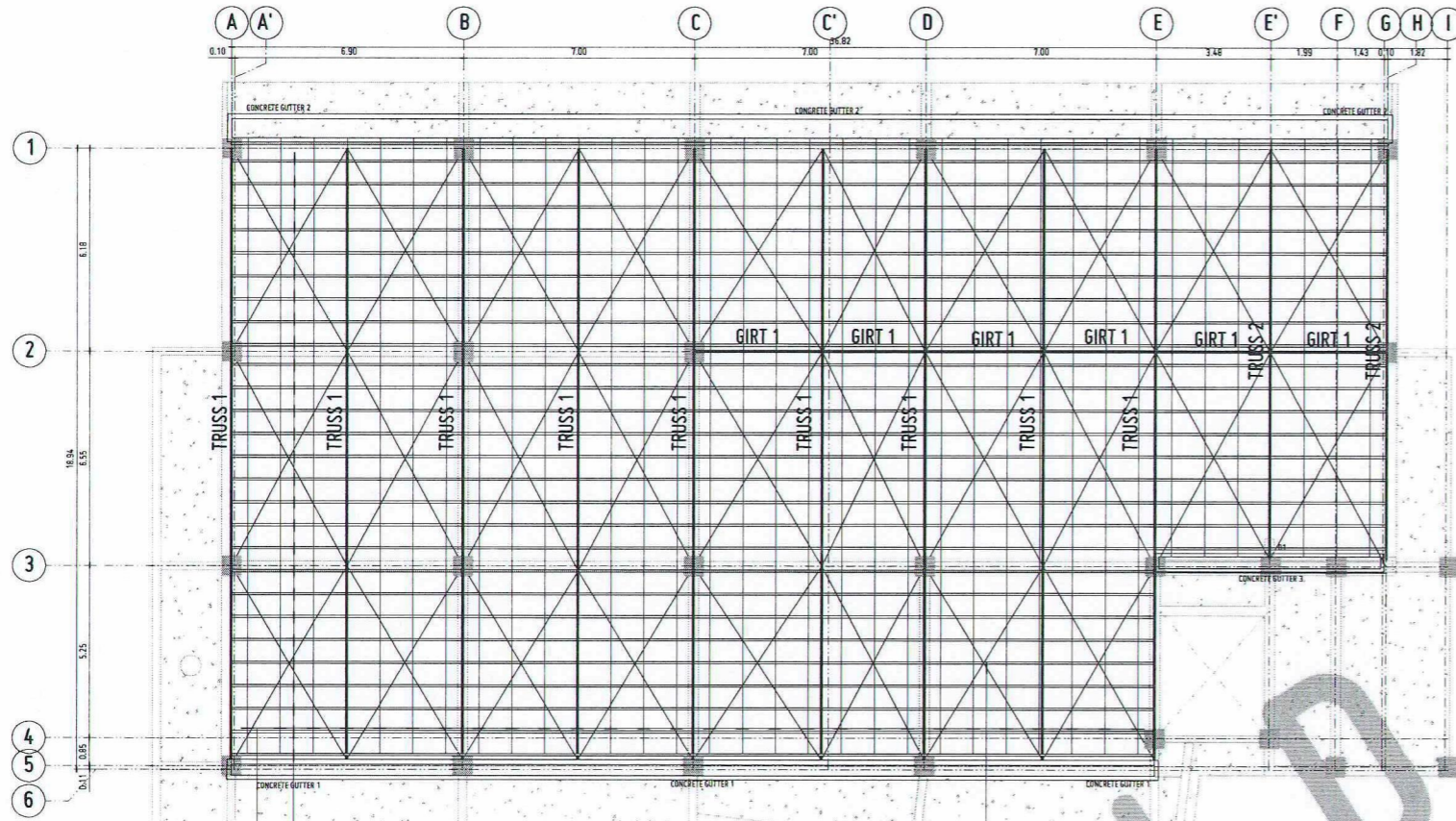
RECOMMENDING APPROVAL:  
**ATTY. ERWIN B. BUGIO**  
VP FOR ADMINISTRATION & LEGAL AFFAIRS

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

SHEET CONTENTS:  
ROOF DECK BEAM LAYOUT  
ROOF DECK BEAM SCHEDULE  
ROOF DECK TYPICAL SLAB REINFORCEMENT DETAILS

DRAWN BY:  
DATE DRAWN:  
10.01.2025  
FNT:

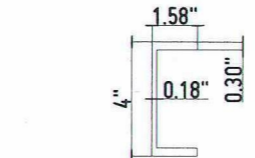
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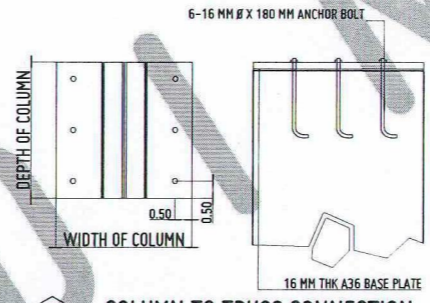
C-PURLINS (SEE DETAILS)  
SPACED @ 0.70 M  
16 MM  $\Phi$  PLAIN BAR SAGROD  
SPACED @ 1.00 M

20 MM  $\Phi$  CROSS-BRACES  
W/ TURNBUCKLE

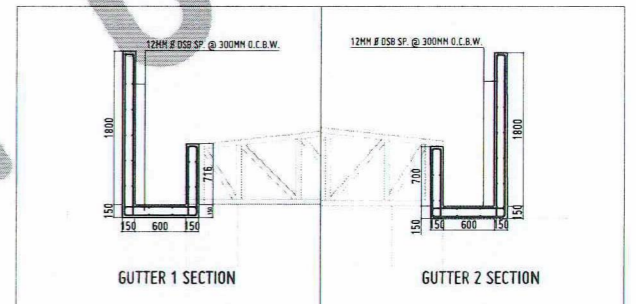
**ROOF FRAME PLAN**  
SCALE 1:100 MTS



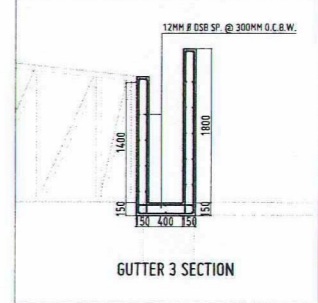
**C-PURLIN DETAILS**  
SCALE 1:100 MTS



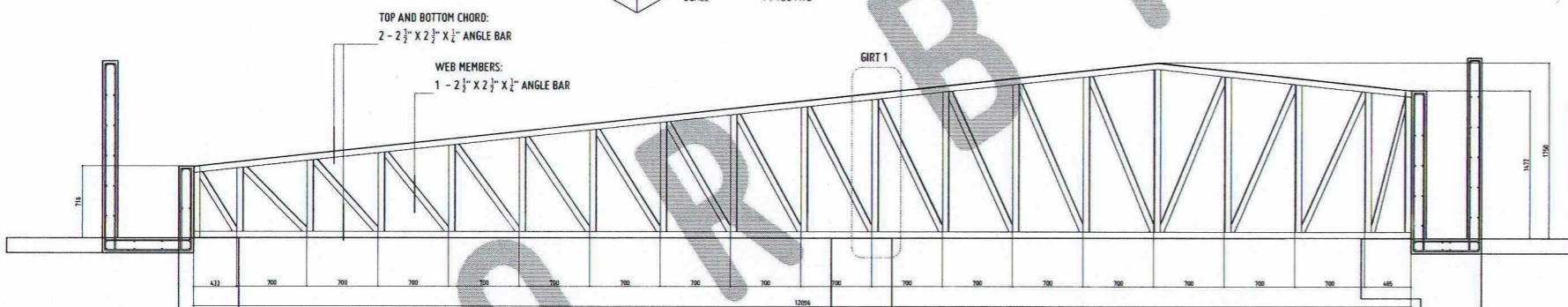
**COLUMN TO TRUSS CONNECTION**  
SCALE 1:50 MTS



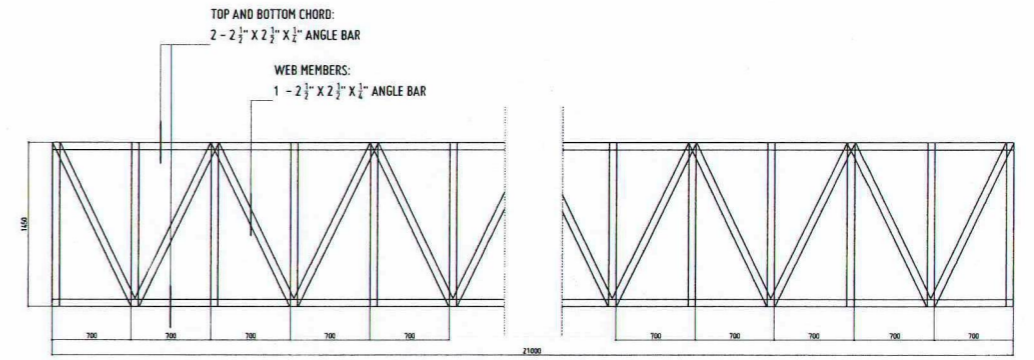
GUTTER 1 SECTION GUTTER 2 SECTION



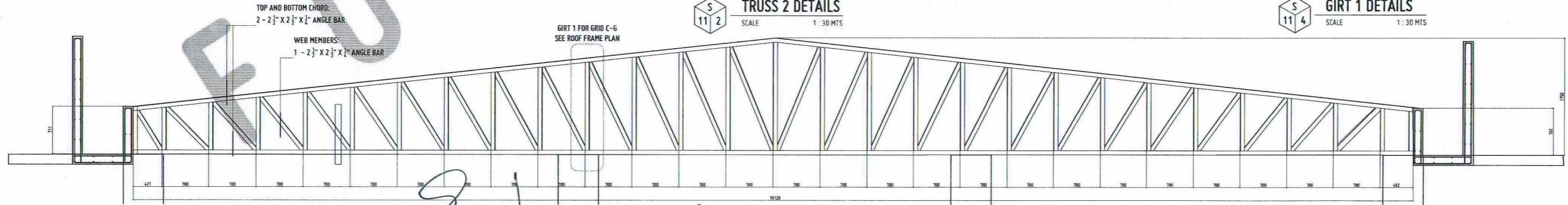
**CONCRETE GUTTER DETAILS**  
SCALE 1:40 MTS



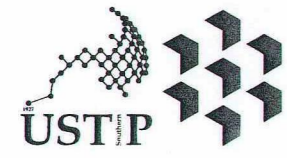
**TRUSS 2 DETAILS**  
SCALE 1:30 MTS



**GIRT 1 DETAILS**  
SCALE 1:30 MTS



**TRUSS 1 DETAILS**  
SCALE 1:30 MTS



REPUBLIC OF THE PHILIPPINES  
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CIVIL/STRUCTURAL ENGINEER  
PRC NO. 004940 PTR NO. 116760  
DATE 1-14-2025  
TIN 152-320-743 PLACE EL SALVADOR CITY

PROJECT PROPOSED CONSTRUCTION OF SMART ACADEMIC BUILDING  
PHASE 1, JASAAN CAMPUS  
LOCATION USTP JASAAN CAMPUS, MISAMIS ORIENTAL  
OWNER UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:  
*Grace C. Baba*  
ENGR. GRACE C. BABA  
DIRECTOR, INFRASTRUCTURE PLANNING & FACILITIES DEVELOPMENT OFFICE

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

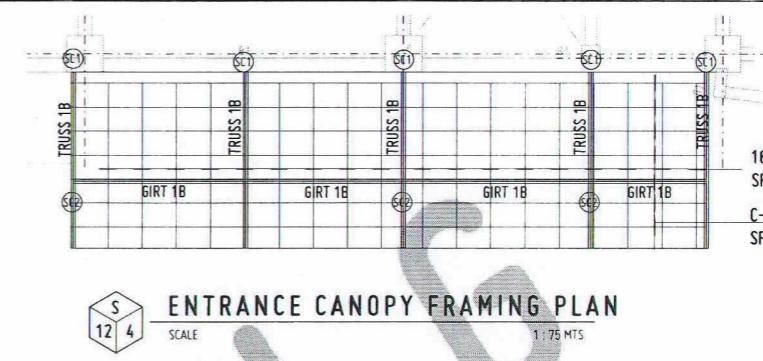
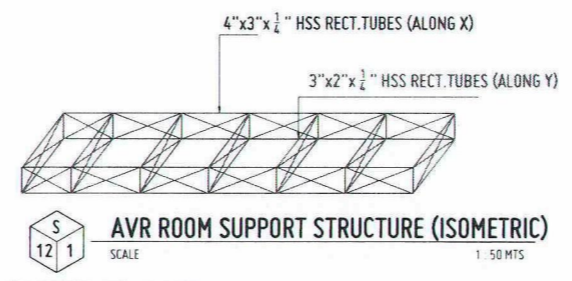
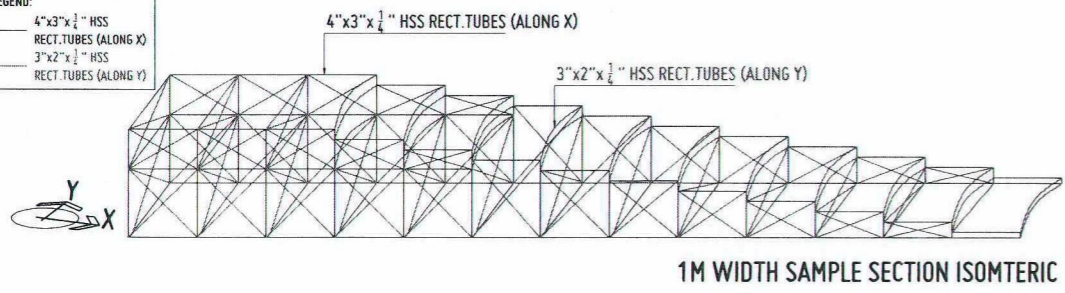
APPROVED BY:  
*Ambrosio B. Cultura II*  
DR. AMBROSIO B. CULTURA II  
PRESIDENT, USTP SYSTEM

SHEET CONTENTS:  
ROOF FRAME PLAN  
TRUSS 1 DETAILS  
TRUSS 2 DETAILS  
GIRT 1 DETAILS  
C-PURLIN DETAILS  
COLUMN TO TRUSS CONNECTION  
CONCRETE GUTTER DETAILS

DRAWN BY:  
DATE DRAWN:  
10.01.2025  
PNT:

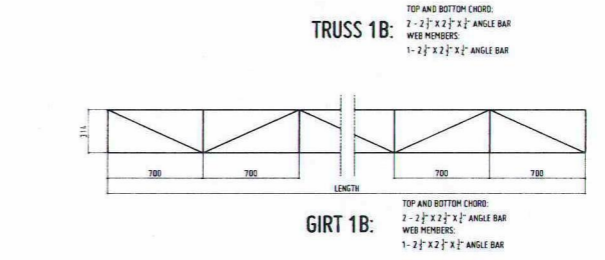
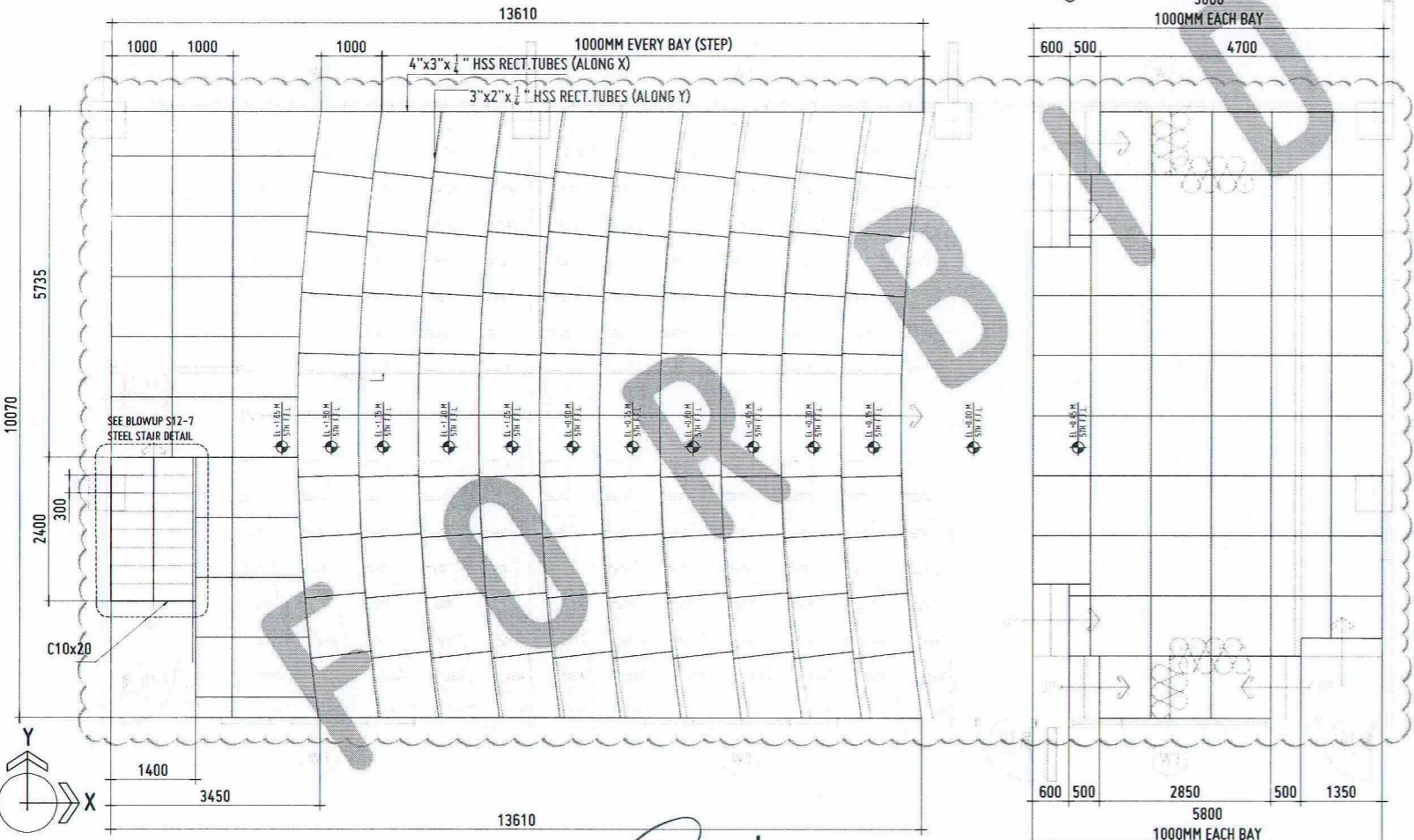
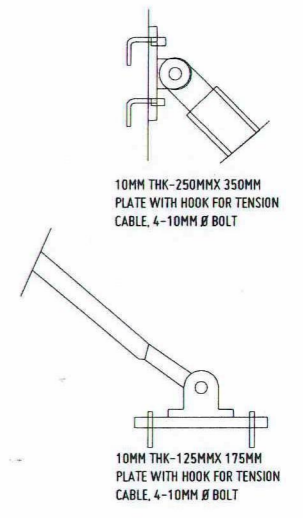
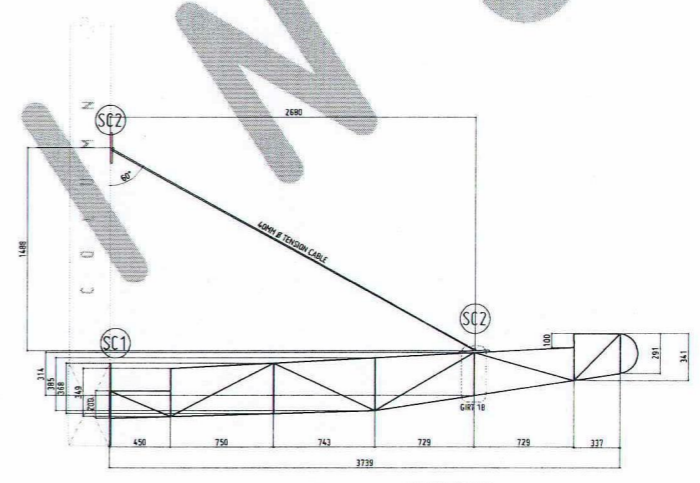
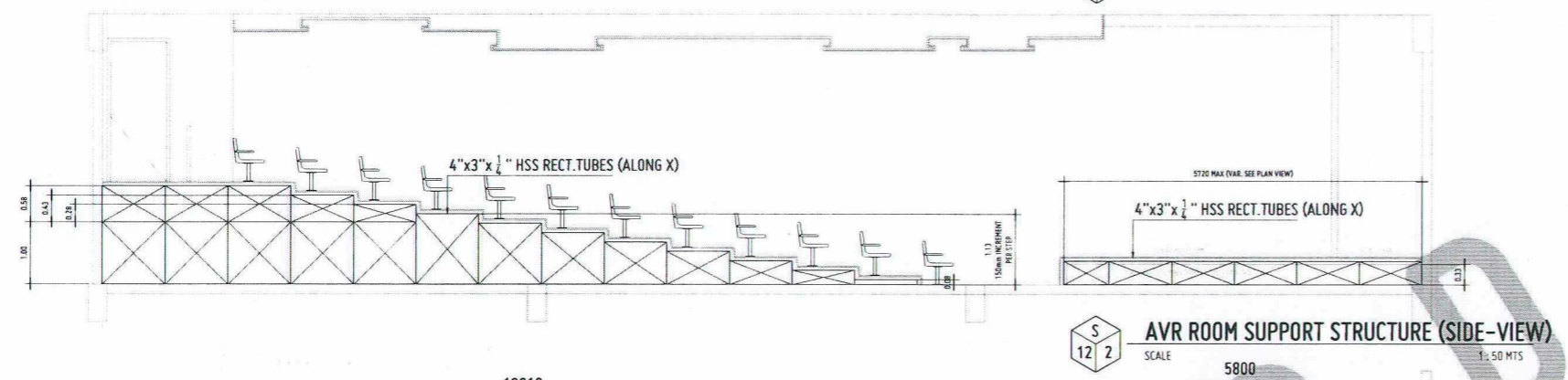
**S11**

LEGEND:  
 4"x3"x 1/4" HSS  
 RECT. TUBES (ALONG X)  
 3"x2"x 1/4" HSS  
 RECT. TUBES (ALONG Y)

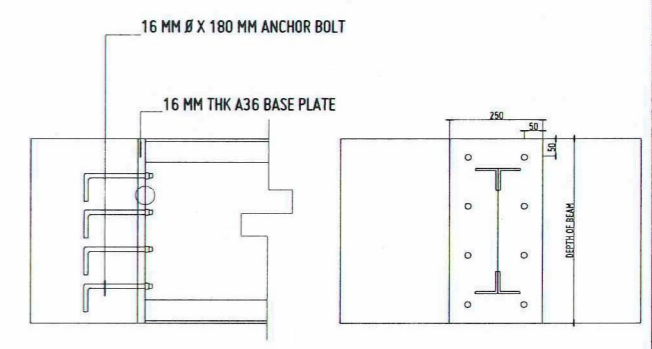
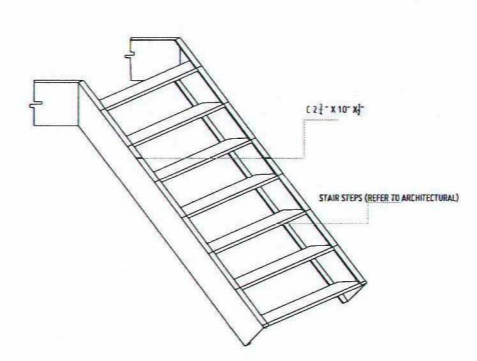


REPUBLIC OF THE PHILIPPINES  
 OFFICE OF THE BUILDING OFFICIAL

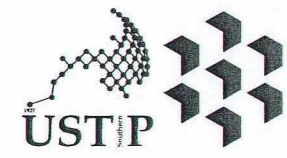
16 MM Ø PLAIN BAR SAGROD  
 SPACED @ 1.00 M  
 C-PURLINS (SEE DETAILS)  
 SPACED @ 0.70 M



S 12 5  
 SCALE 1:25 MTS  
 TRUSS DETAILS



S 12 6  
 SCALE 1:40 MTS  
 STRUCTURAL CONNECTION DETAILS



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ERNESTO EN BUIJSTE  
 CIVIL/STRUCTURAL ENGINEER  
 PRC NO. 0044640 PTR NO. 1167069  
 DATE: 11-28-2025  
 TIN: 152-320-743 PLACE: EL SALVADOR CITY

PROJECT: PROPOSED CONSTRUCTION OF SMART ACADEMIC BUILDING PHASE 1, JASAAN CAMPUS  
 LOCATION: USTP JASAAN CAMPUS, MISAMIS ORIENTAL  
 OWNER: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

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 ENGR. GRACE C. BABA  
 DIRECTOR, INFRASTRUCTURE PLANNING & FACILITIES DEVELOPMENT OFFICE

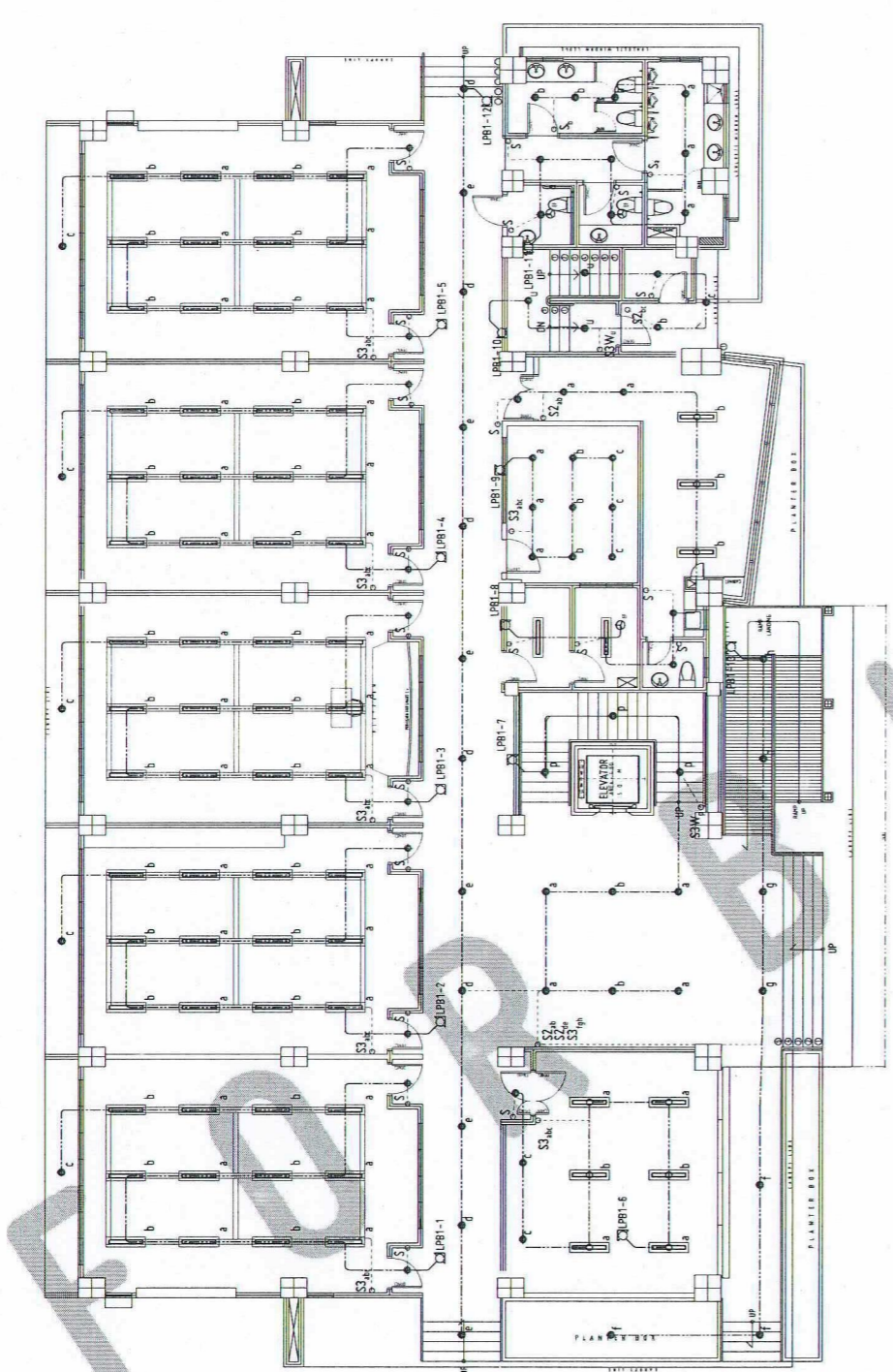
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 ATTY. ERWIN B. BUETO  
 VP FOR ADMINISTRATION & LEGAL AFFAIR

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

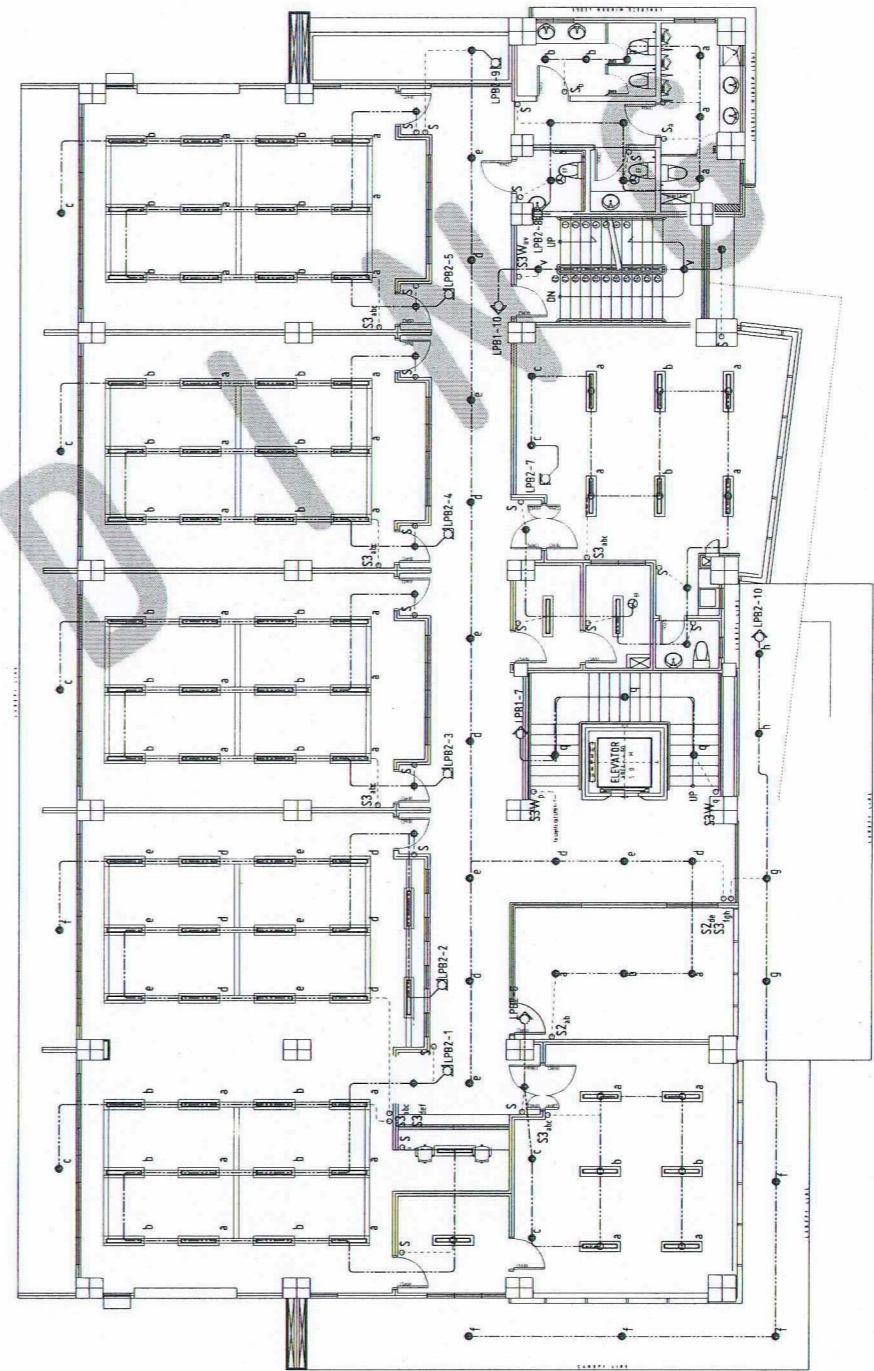
SHEET CONTENTS:  
 AVR SUPPORT STRUCTURE  
 ENTRANCE CANOPY FRAMING PLAN  
 TRUSS DETAILS  
 STRUCTURAL CONNECTION DETAILS  
 STEEL STAIR DETAILS

DRAWN BY:  
 DATE DRAWN:  
 10.01.2025  
 PNT:

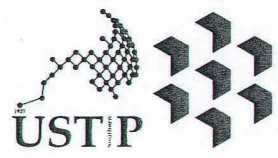
S12



**E**  
1 1  
LIGHTING LAYOUT - 1F  
SCALE 1:100



**E**  
1 2  
LIGHTING LAYOUT - 2F  
SCALE 1:100



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WEBSITE: www.ustp.edu.ph

PROFESSIONAL ELECTRICAL ENGINEER

PROJECT: PROPOSED CONSTRUCTION OF SMART ACADEMIC BUILDING PHASE 1, JASAAAN CAMPUS  
LOCATION: USTP JASAAAN CAMPUS, MISAMIS ORIENTAL  
OWNER: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

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

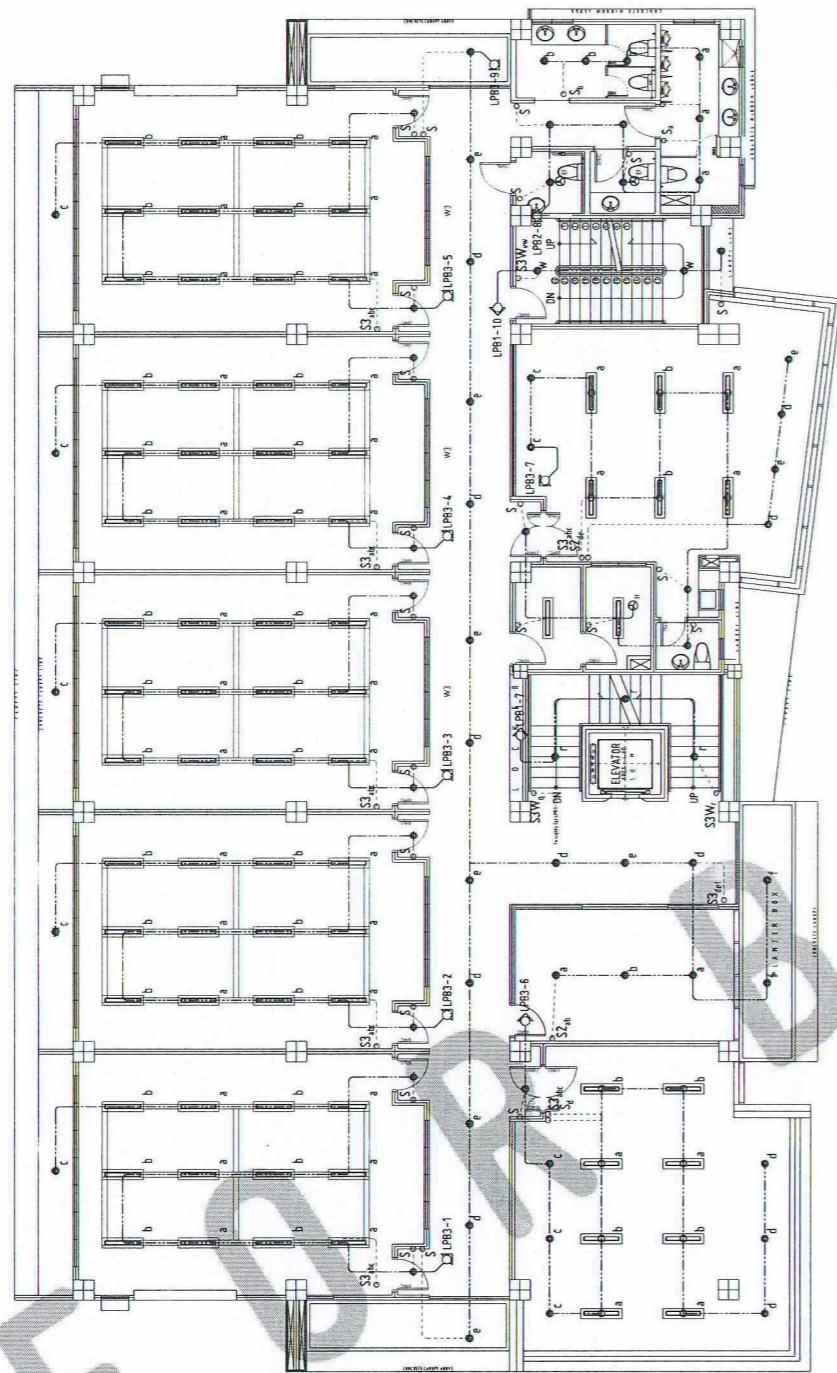
RECOMMENDING APPROVAL:  
ATTY. ERWIN B. BUCID  
VP FOR ADMINISTRATION & LEGAL AFFAIRS

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

SHEET CONTENTS:  
LIGHTING LAYOUT 1F  
LIGHTING LAYOUT 2F

DRAWN BY:  
DATE DRAWN:  
10.01.2025  
PNT:

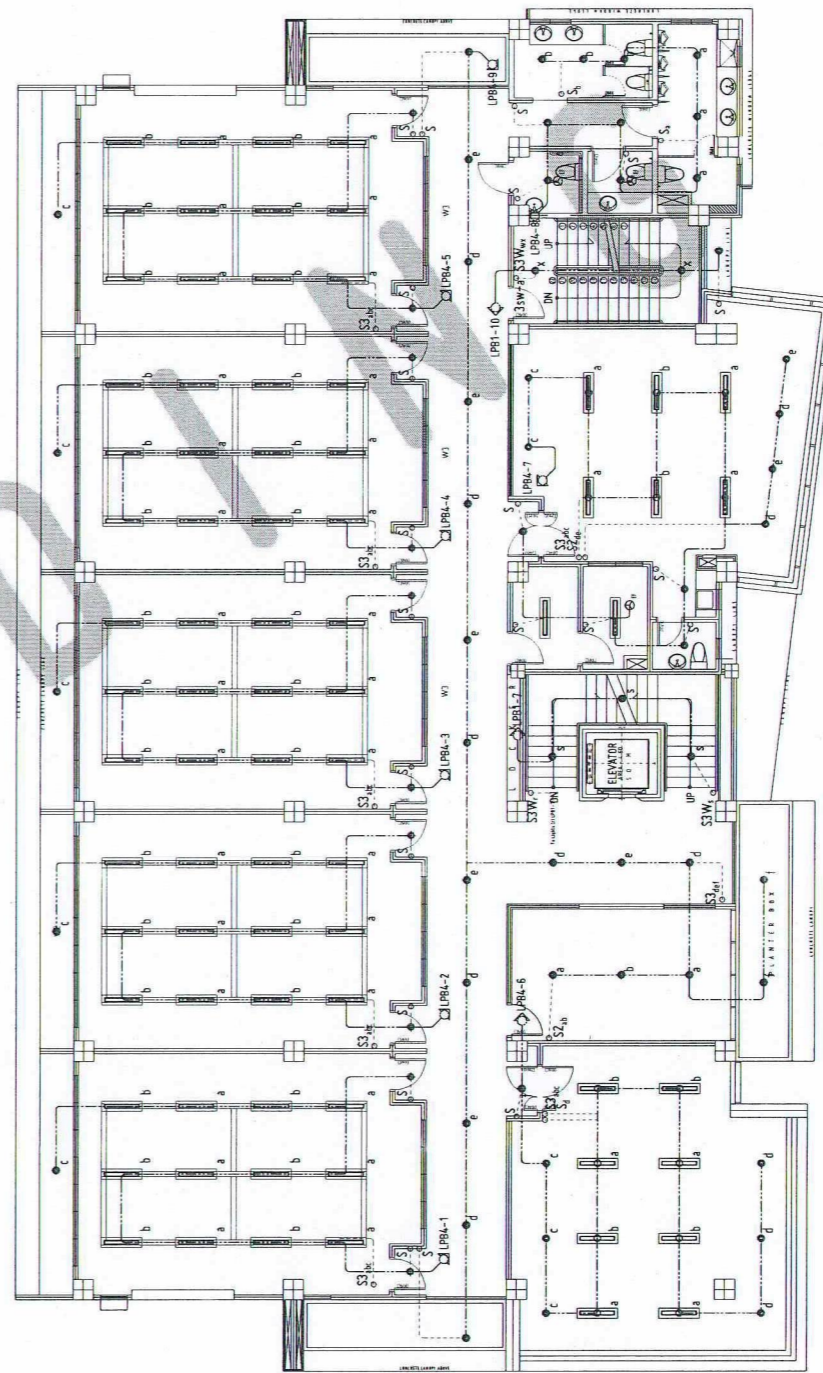
**E1**



**LIGHTING LAYOUT - 3F**

1:100

SCALE



**LIGHTING LAYOUT - 4F**

1:100

SCALE



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CAGAYAN DE ORO CAMPUS  
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT  
CLARO M. RECTO AVENUE, LAPASAN, CAGAYAN DE ORO CITY 9000  
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WEBSITE: www.ustp.edu.ph

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USTP JASAAN CAMPUS, MISAMIS ORIENTAL  
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

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APPROVED BY:

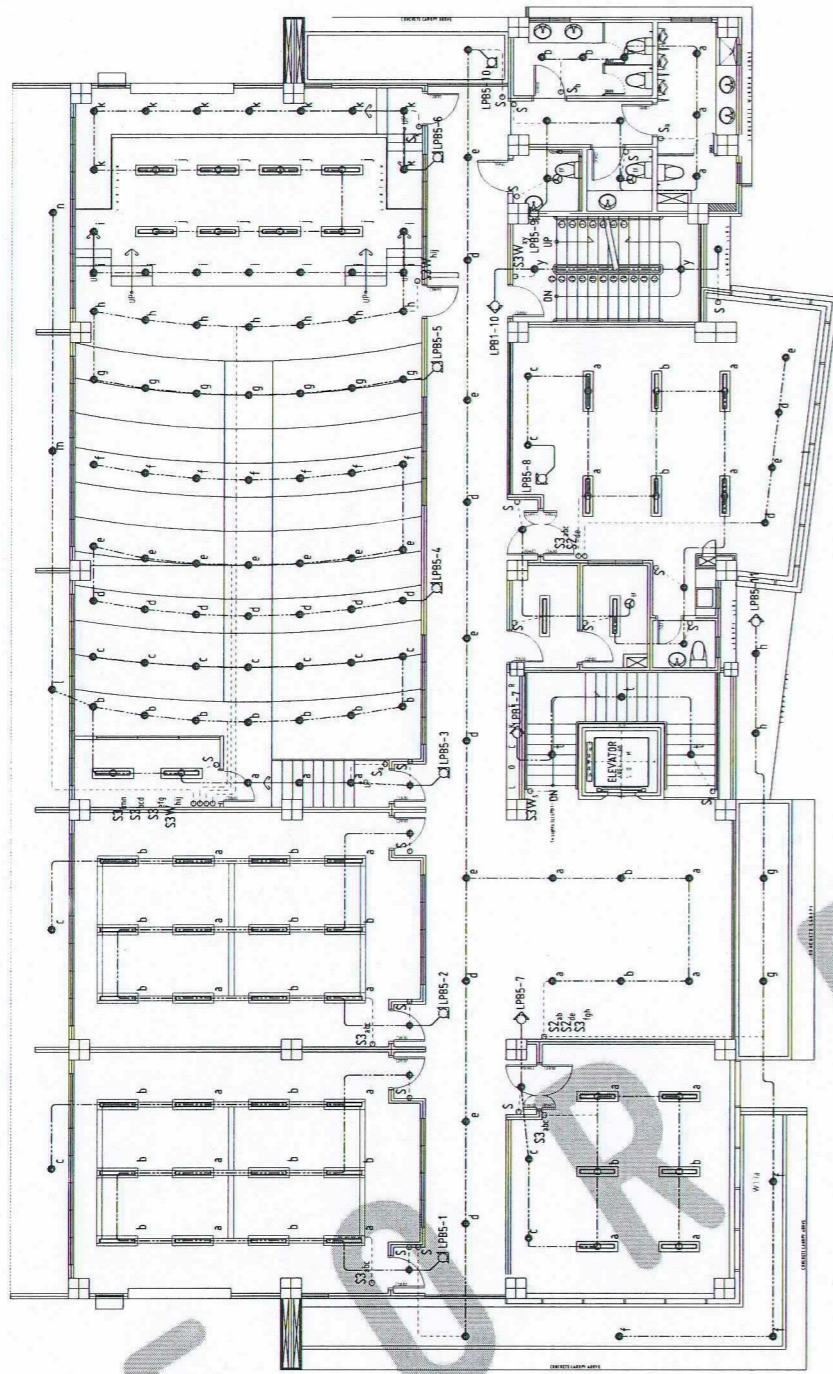
DR. AMBROSIO B. CULTURA II

PRESIDENT, USTP SYSTEM

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LIGHTING LAYOUT 4F

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DATE DRAWN:  
10.01.2025  
PNT:

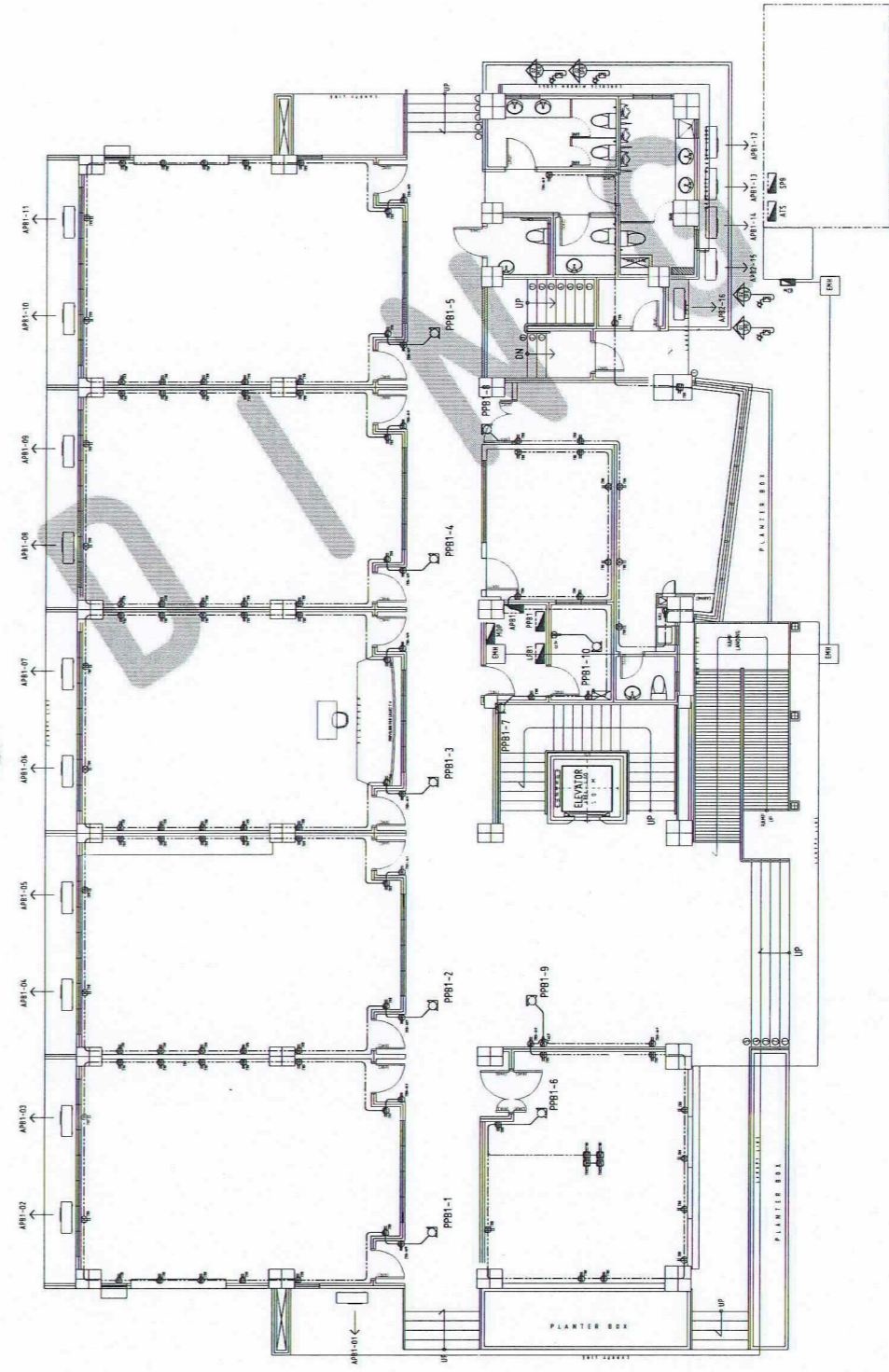
E2



**LIGHTING LAYOUT - 5F AND ROOF DECK**

1:100

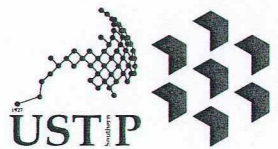
SCALE



**POWER LAYOUT - 1F**

1:100

SCALE



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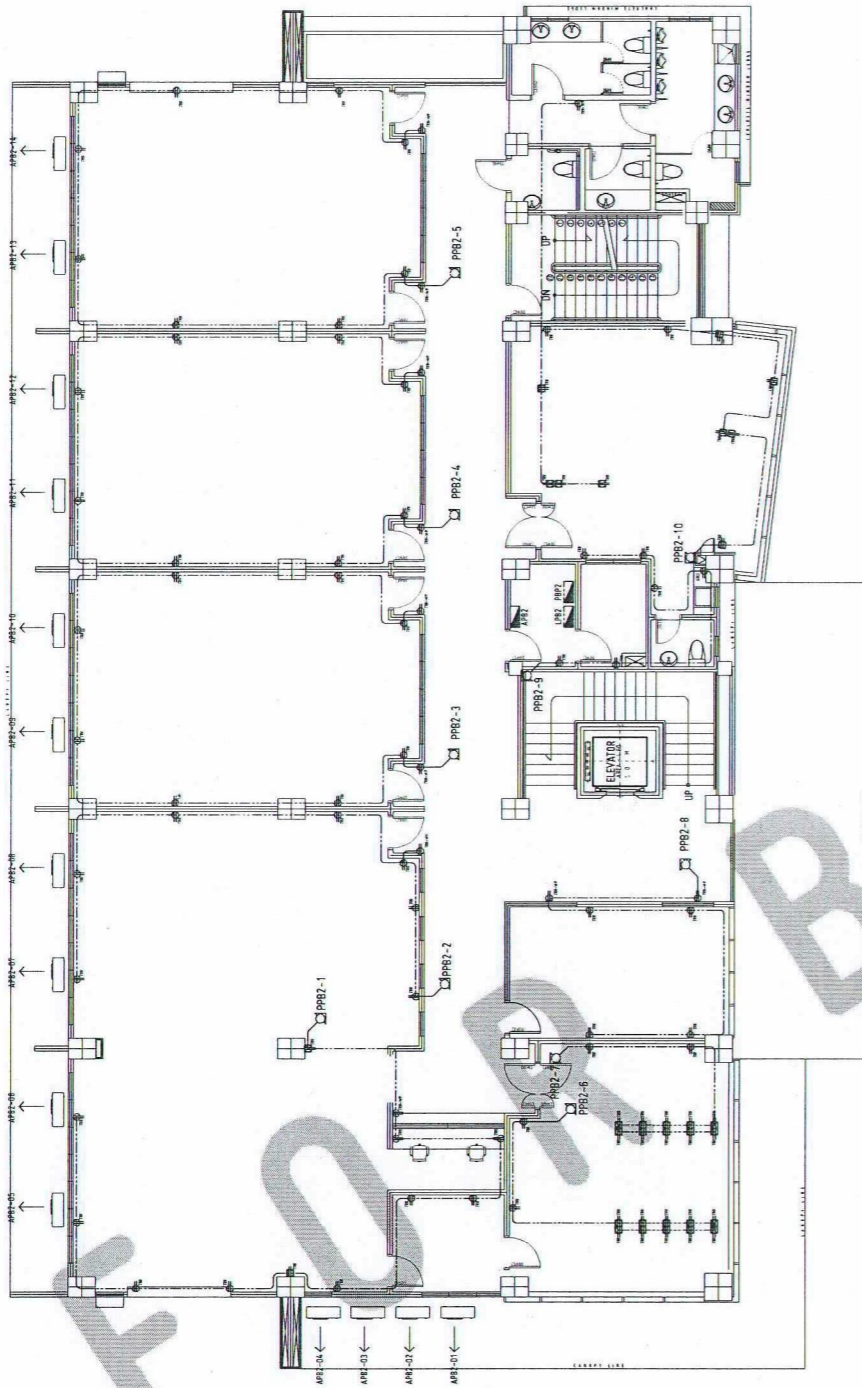
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POWER LAYOUT 1F

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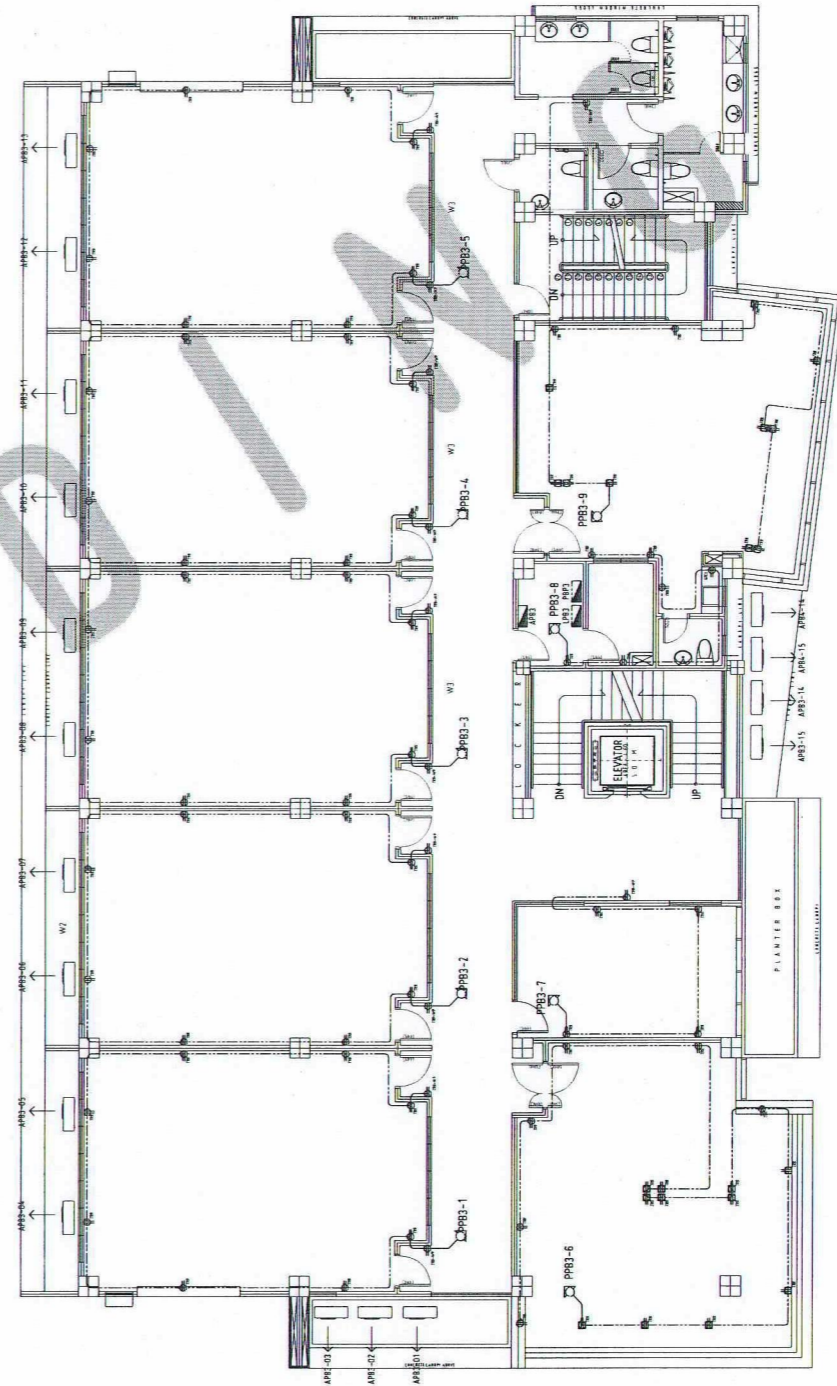
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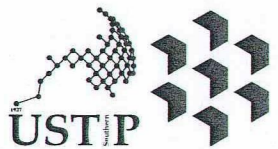
E3



**POWER LAYOUT - 2F**  
SCALE 1:100  
E 4 1



**POWER LAYOUT - 3F**  
SCALE 1:100  
E 4 2



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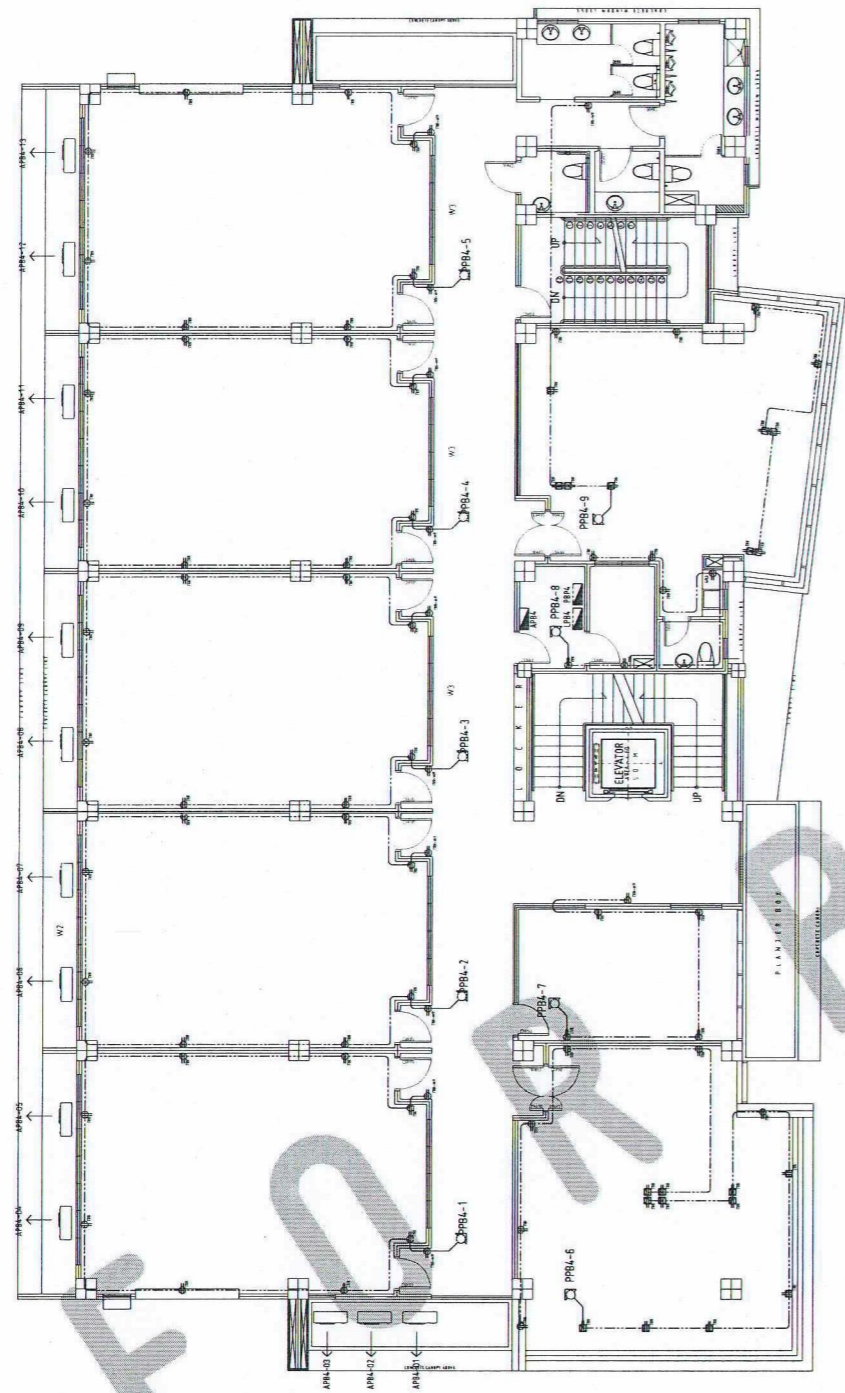
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PRESIDENT, USTP SYSTEM

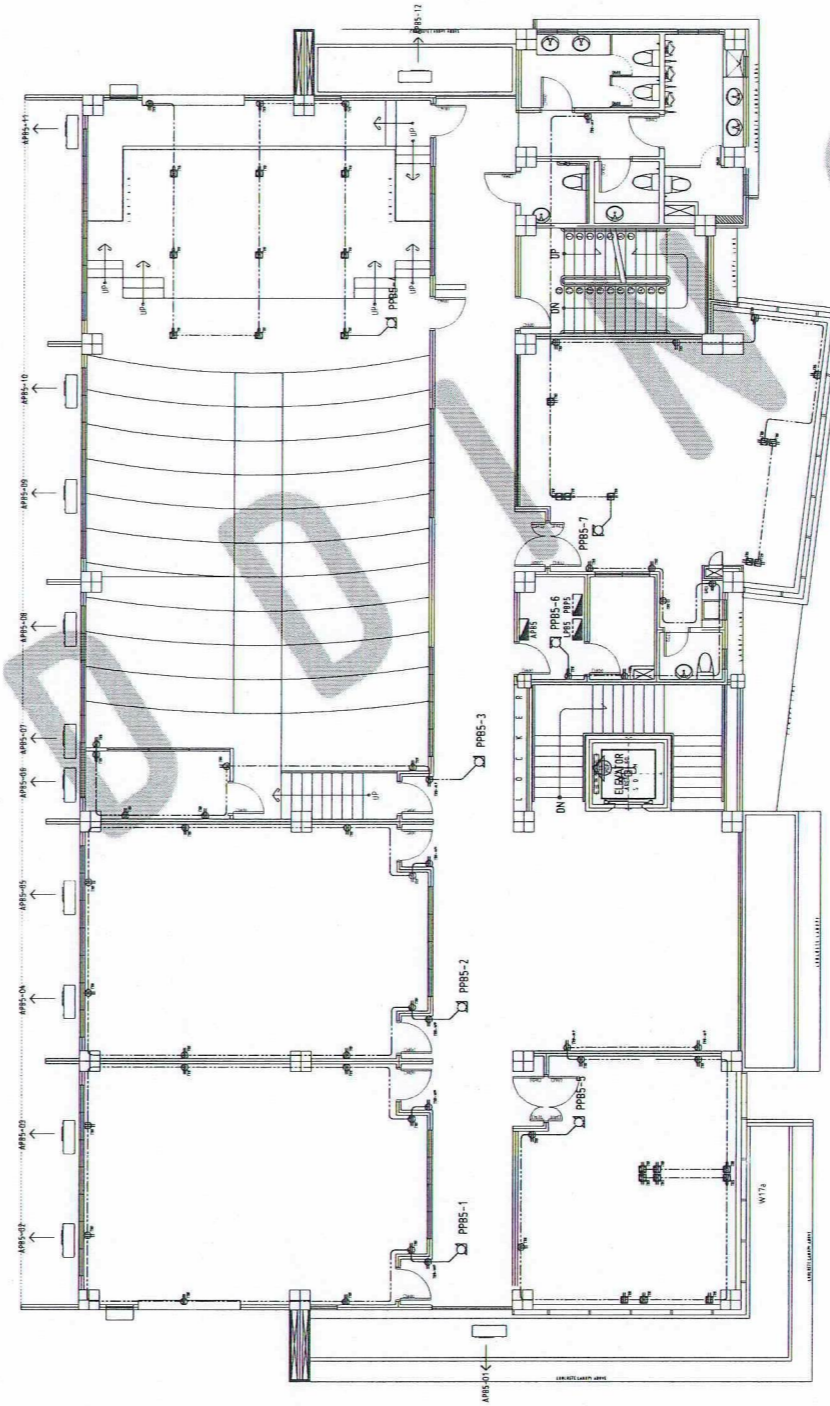
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POWER LAYOUT 3F

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DATE DRAWN:  
10.01.2025  
FNT:

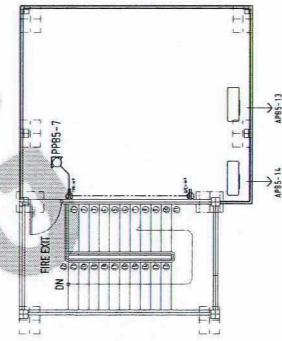
E4



**E 5 1**  
**POWER LAYOUT - 4F**  
SCALE 1:100



**E 5 2**  
**POWER LAYOUT - 5F AND ROOF DECK**  
SCALE 1:100



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PRESIDENT, USTP SYSTEM

SHEET CONTENTS:

POWER LAYOUT 4F

POWER LAYOUT 5F AND ROOF DECK

DRAWN BY:

DATE DRAWN:

10.01.2025

FNT:

**E5**