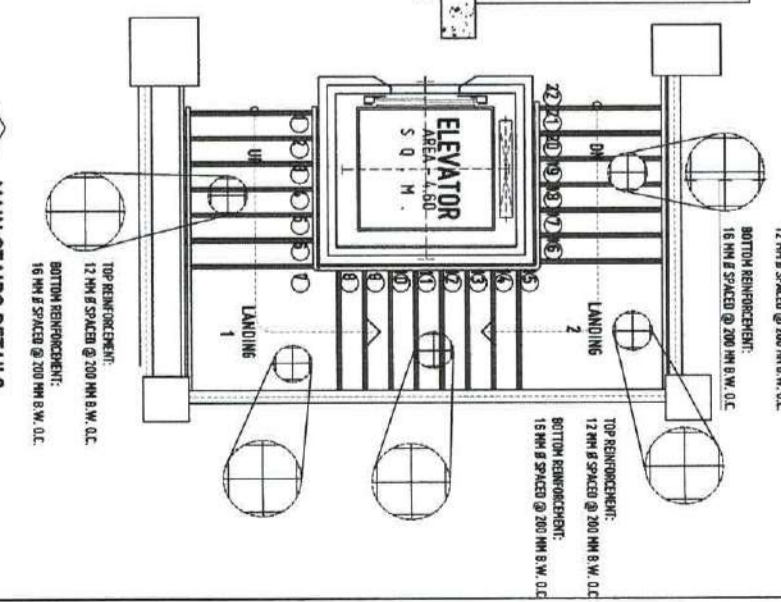
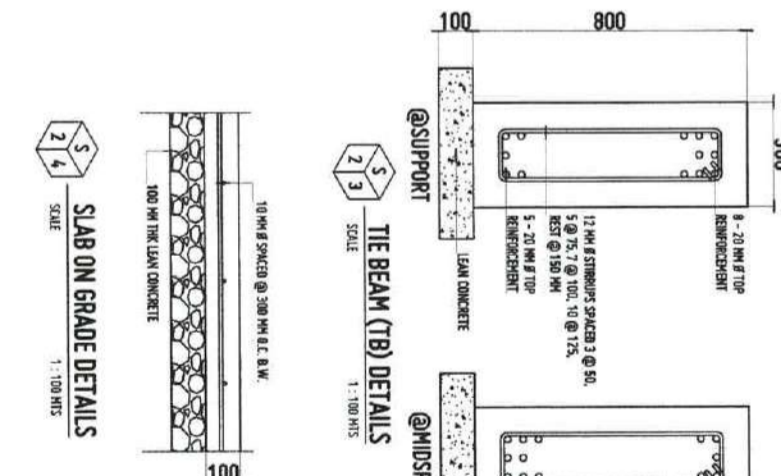
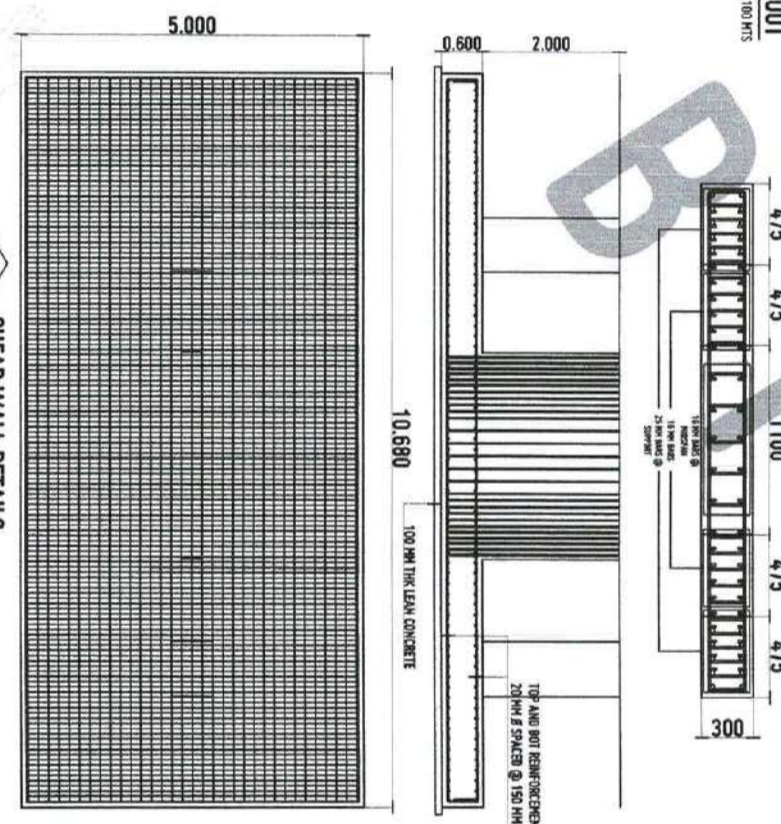
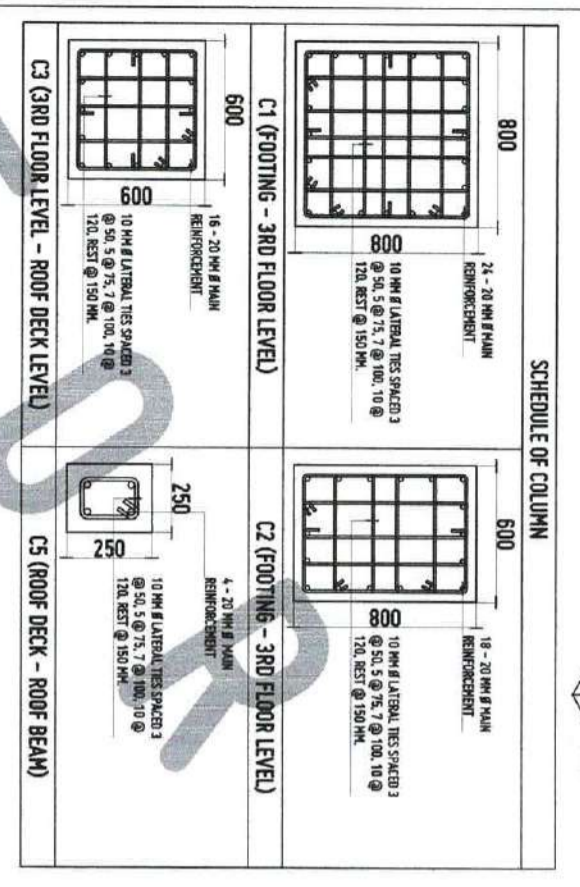


APPROVED BY: \_\_\_\_\_

REPUBLIC OF THE PHILIPPINES  
OFFICE OF THE BUILDING OFFICIAL  
VILLALBA, MANSING ORIENTAL

DESIGNATION		DIMENSION		THICKNESS		MAIN REINFORCEMENT					
F1	F2	F3	F4	F5	F6	BAR #	BOT X	BOT Y	TOP X	TOP Y	
4000	4500	4800	5000	5500	13500	400	18	18	18	16	
4000	4500	4800	5000	5500	4500	400	18	18	16	16	
500	500	500	500	500	500	20 MM	22	22	17	17	
500	500	500	500	500	500	20 MM	24	24	18	18	
500	500	500	500	500	500	20 MM	20	20	19	19	
500	500	500	500	500	500	20 MM	22	22	20	20	
600	600	600	600	600	600	20 MM	17	17	17	17	



**2 6 SHEAR WALL DETAILS** SCALE 1:100 MTS

**2 5 MAIN STAIRS DETAILS** SCALE 1:100 MTS



REPUBLIC OF THE PHILIPPINES  
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES  
CENTRAL CAMPUS  
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT  
CLAYTON K. BERTO AVENUE, LAPOK, CAGAYAN DE ORO CITY 9000  
TELEPHONE: (0862) 71-60-60 / (086) 881-1131 / (086) 881-1132 / (086) 881-1133 / (086) 881-1134 / (086) 881-1135 / (086) 881-1136 / (086) 881-1137 / (086) 881-1138 / (086) 881-1139 / (086) 881-1140 / (086) 881-1141 / (086) 881-1142 / (086) 881-1143 / (086) 881-1144 / (086) 881-1145 / (086) 881-1146 / (086) 881-1147 / (086) 881-1148 / (086) 881-1149 / (086) 881-1150 / (086) 881-1151 / (086) 881-1152 / (086) 881-1153 / (086) 881-1154 / (086) 881-1155 / (086) 881-1156 / (086) 881-1157 / (086) 881-1158 / (086) 881-1159 / (086) 881-1160 / (086) 881-1161 / (086) 881-1162 / (086) 881-1163 / (086) 881-1164 / (086) 881-1165 / (086) 881-1166 / (086) 881-1167 / (086) 881-1168 / (086) 881-1169 / (086) 881-1170 / (086) 881-1171 / (086) 881-1172 / (086) 881-1173 / (086) 881-1174 / (086) 881-1175 / (086) 881-1176 / (086) 881-1177 / (086) 881-1178 / (086) 881-1179 / (086) 881-1180 / (086) 881-1181 / (086) 881-1182 / (086) 881-1183 / (086) 881-1184 / (086) 881-1185 / (086) 881-1186 / (086) 881-1187 / (086) 881-1188 / (086) 881-1189 / (086) 881-1190 / (086) 881-1191 / (086) 881-1192 / (086) 881-1193 / (086) 881-1194 / (086) 881-1195 / (086) 881-1196 / (086) 881-1197 / (086) 881-1198 / (086) 881-1199 / (086) 881-1200

ERNESTO CH. QUINTANA  
CIVIL ENGINEER  
REGISTERED PROFESSIONAL ENGINEER  
NO. 152-228-743  
DATE: 11-14-2024  
PLACE: B. BALABAN CITY

PROJECT: PROPOSED 21ST CENTURY 5 STOREY CLASSROOM BUILDING  
LOCATION: USIP VILLALBA CAMPUS, MANSING ORIENTAL  
OWNER: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

RECOMMENDING APPROVAL:  
AR. FERRINANTONIA SORIANO  
DIRECTOR, IPADU

RECOMMENDING APPROVAL:  
ATTY. ERWIN B. ROBSON  
DUP-UP FOR ADMINISTRATION & LEGAL AFFAIRS

APPROVED BY:  
DR. AMBRAS B. CULTURIA II  
PRESIDENT, EAST SYSTEM

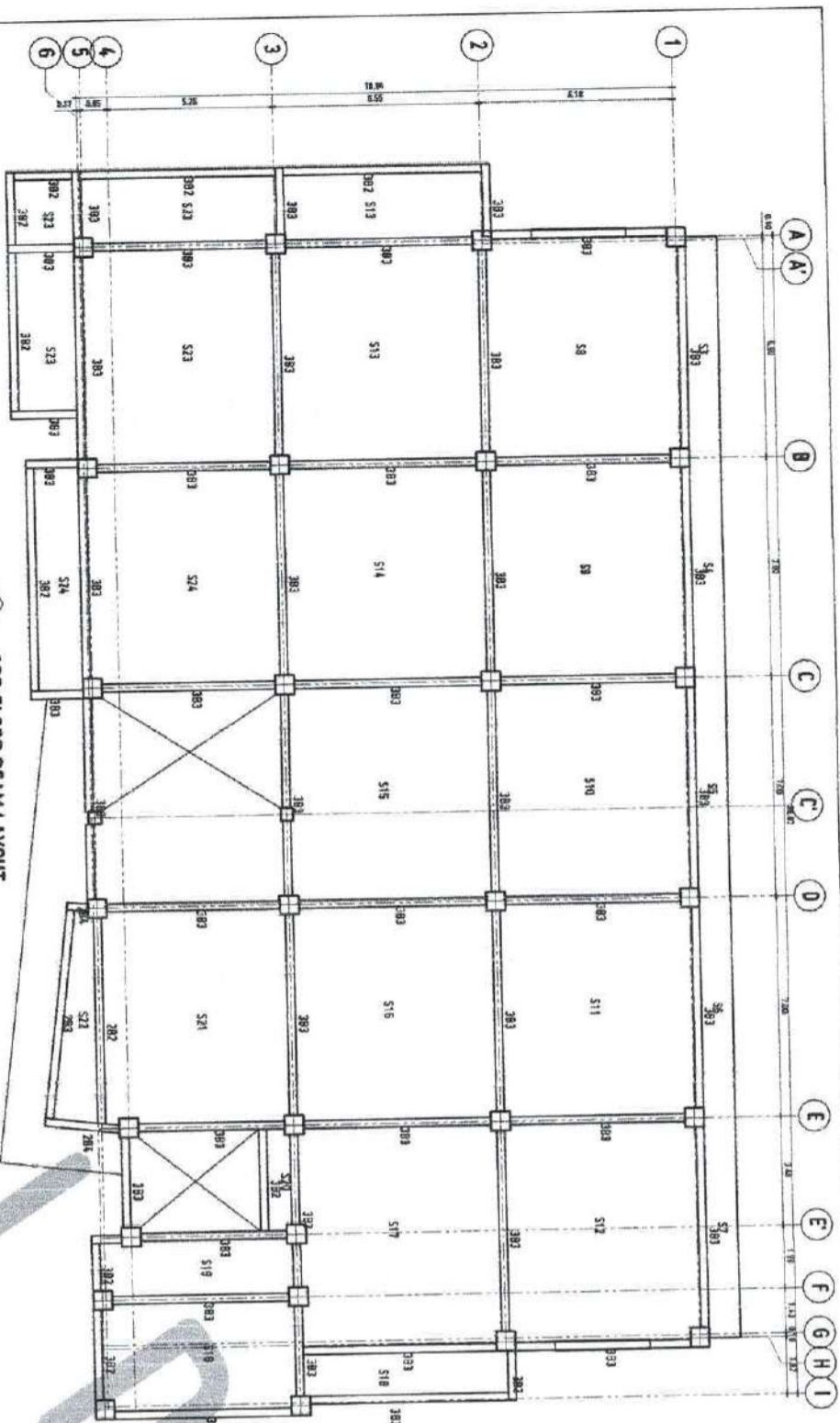
SHEET CONTENTS:  
FOUNDATION LAYOUT  
SCHEDULE OF FOUNDATION AND  
FOUNDATION (TYPICAL) DETAILS  
SLAB ON GRADE DETAILS  
MAIN STAIRS DETAILS

DATE: 07/10/2024  
FILE: S2

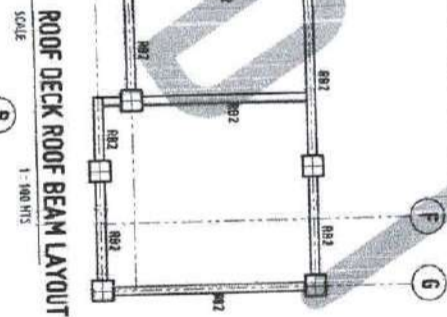


APPROVED BY:

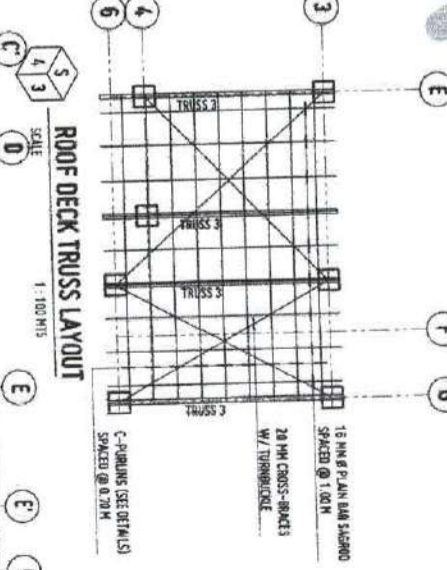
LEVEL	DETAIL



3RD FLOOR BEAM LAYOUT  
SCALE 1:100 NTS

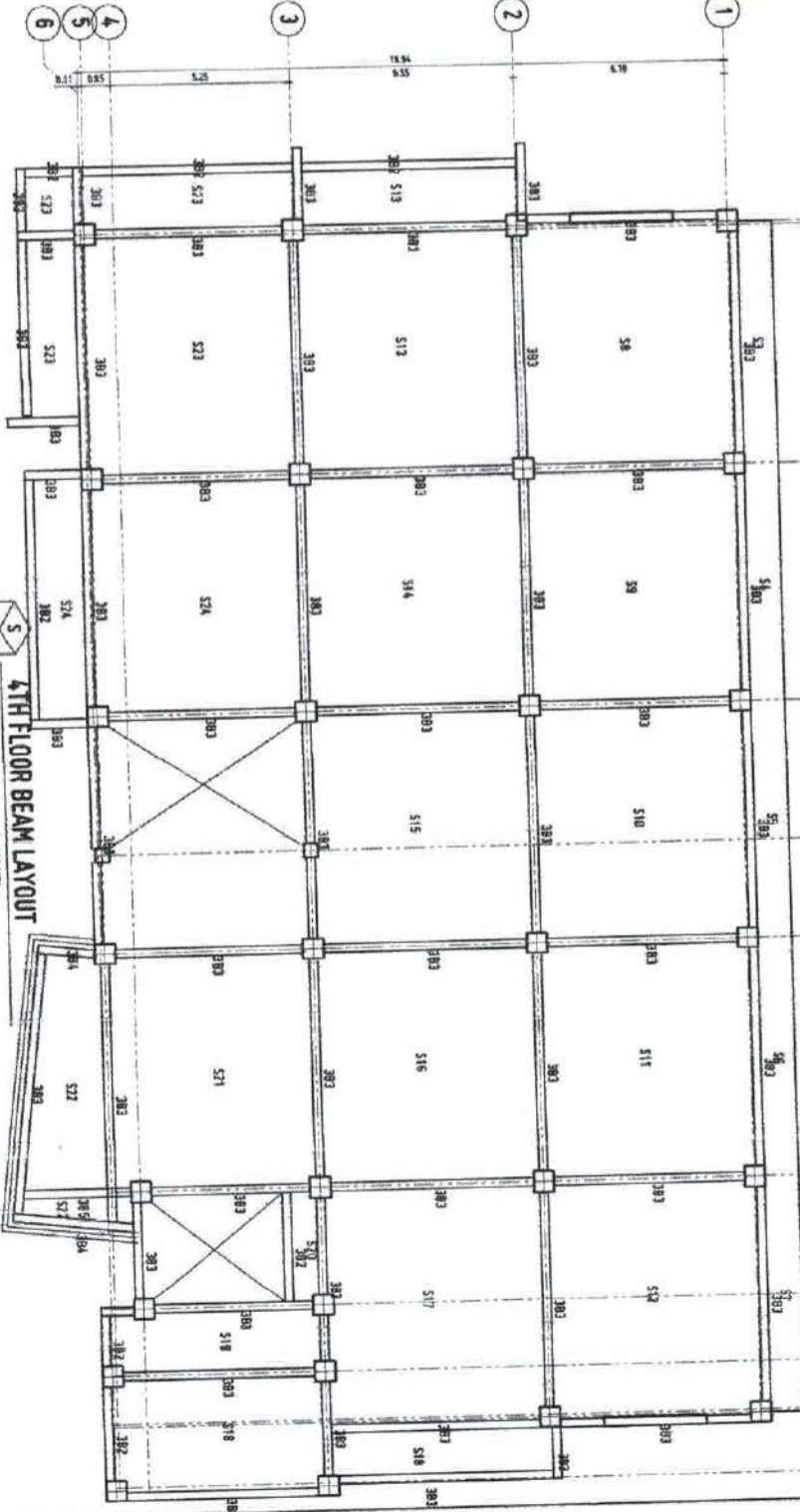


ROOF DECK ROOF BEAM LAYOUT  
SCALE 1:100 NTS



ROOF DECK TRUSS LAYOUT  
SCALE 1:100 NTS

LEVEL MARK	THICKNESS	REBAR SPACING ALONG SHORT DIRECTION		REBAR SPACING ALONG LONG DIRECTION		REMARKS
		TOP REIN.	BOT REIN.	TOP REIN.	BOT REIN.	
S1	150	12 MM @ 350	10 MM @ 100	12 MM @ 350	10 MM @ 75	CANTIL.
S2	150	12 MM @ 150	10 MM @ 250	12 MM @ 250	10 MM @ 250	CANTIL.
S3	150	12 MM @ 150	10 MM @ 250	12 MM @ 300	10 MM @ 250	CANTIL.
S4	150	12 MM @ 150	10 MM @ 250	12 MM @ 300	10 MM @ 250	CANTIL.
S5	150	12 MM @ 150	10 MM @ 250	12 MM @ 300	10 MM @ 250	CANTIL.
S6	150	12 MM @ 150	10 MM @ 250	12 MM @ 300	10 MM @ 250	CANTIL.
S7	150	12 MM @ 150	10 MM @ 250	12 MM @ 300	10 MM @ 250	TWO-WAY
S8	150	10 MM @ 250	12 MM @ 200	10 MM @ 300	12 MM @ 300	TWO-WAY
S9	150	10 MM @ 250	12 MM @ 200	10 MM @ 300	12 MM @ 300	TWO-WAY
S10	150	10 MM @ 250	12 MM @ 200	10 MM @ 300	12 MM @ 300	TWO-WAY
S11	150	10 MM @ 250	12 MM @ 200	10 MM @ 300	12 MM @ 300	TWO-WAY
S12	150	10 MM @ 250	12 MM @ 200	10 MM @ 300	12 MM @ 300	TWO-WAY
S13	150	10 MM @ 250	12 MM @ 200	10 MM @ 300	12 MM @ 300	TWO-WAY
S14	150	10 MM @ 250	12 MM @ 200	10 MM @ 300	12 MM @ 300	TWO-WAY
S15	150	10 MM @ 250	12 MM @ 200	10 MM @ 300	12 MM @ 300	TWO-WAY
S16	150	10 MM @ 300	12 MM @ 300	10 MM @ 250	12 MM @ 250	TWO-WAY
S17	150	10 MM @ 300	12 MM @ 300	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 @ 200	12 MM @ 250	10 MM @ 300	12 MM @ 50	TWO-WAY
S20	150	10 MM @ 200	12 MM @ 250	10 MM @ 300	12 MM @ 50	TWO-WAY
S21	150	10 MM @ 250	12 MM @ 150	10 MM @ 250	12 MM @ 250	TWO-WAY
S22	150	10 MM @ 250	12 MM @ 150	10 MM @ 250	12 MM @ 250	TWO-WAY
S23	150	10 MM @ 300	12 MM @ 200	10 MM @ 200	12 MM @ 200	TWO-WAY
S24	150	10 MM @ 300	12 MM @ 175	10 MM @ 250	12 MM @ 200	TWO-WAY



4TH FLOOR BEAM LAYOUT  
SCALE 1:100 NTS

S4



REPUBLIC OF THE PHILIPPINES  
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES  
INTEGRATED PLANNING AND FACILITY DEVELOPMENT UNIT  
CAMPUS DEVELOPMENT DIVISION  
RESEARCH AND DEVELOPMENT DIVISION  
OFFICE OF THE CHIEF ENGINEER  
OFFICE OF THE CHIEF ARCHITECT  
OFFICE OF THE CHIEF ELECTRICIAN  
OFFICE OF THE CHIEF MECHANICAL ENGINEER  
OFFICE OF THE CHIEF SANITARIAN  
OFFICE OF THE CHIEF SAFETY OFFICER  
OFFICE OF THE CHIEF SECURITY OFFICER  
OFFICE OF THE CHIEF TRAFFIC AND TRANSPORTATION OFFICER  
OFFICE OF THE CHIEF WASTE MANAGEMENT OFFICER  
OFFICE OF THE CHIEF WATER SUPPLY OFFICER

ERNESTO CH. ADUATE  
CONSULTING ENGINEER

PROPOSED 21ST CENTURY 5 STOREY CLASSROOM BUILDING  
UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

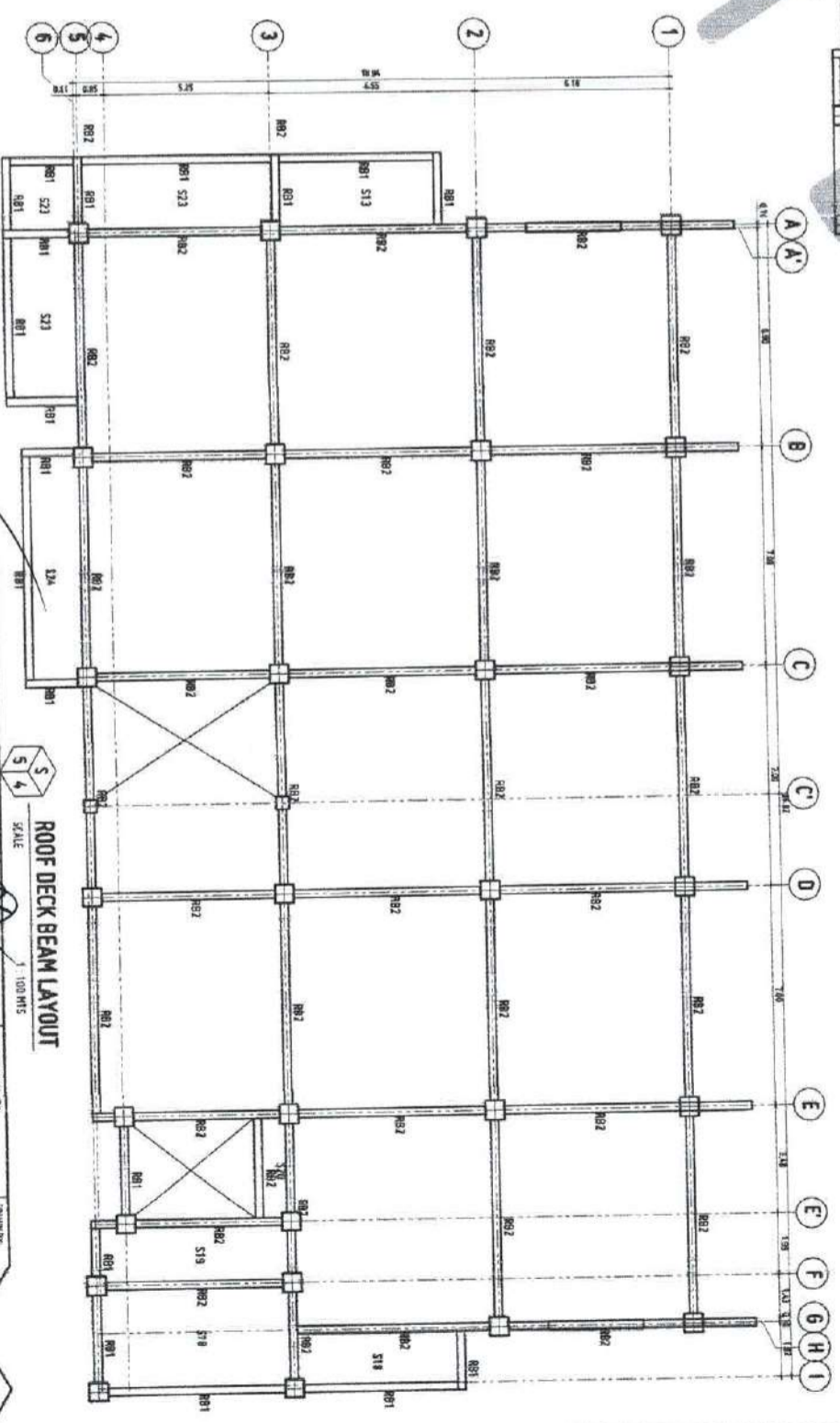
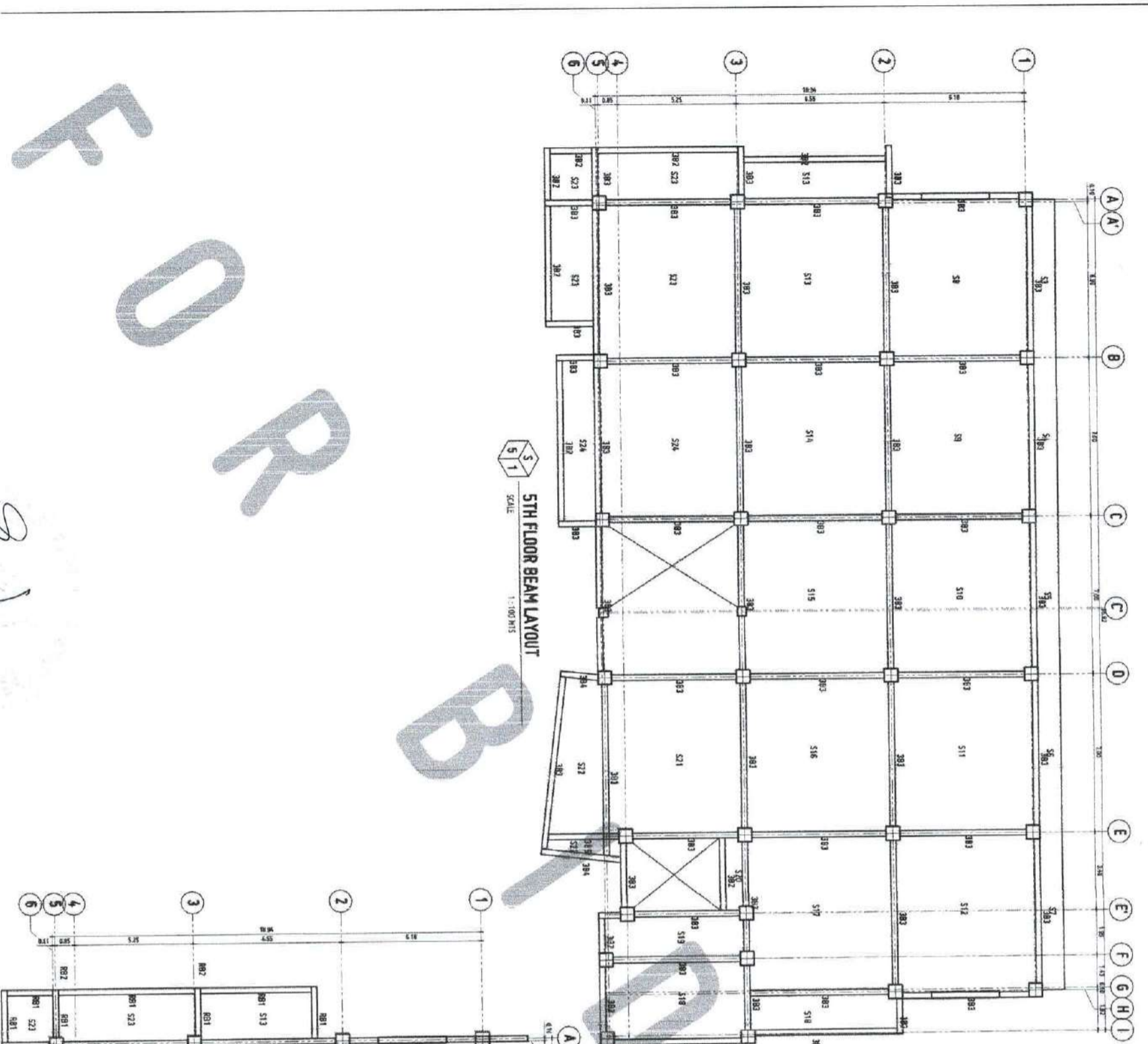
RECOMMENDING APPROVAL:  
ATTY. ERWIN B. BALBUENA  
MINDANAO BAR

RECOMMENDING APPROVAL:  
DR. AMBRYS B. CULTURAL II  
PRESIDENT USTIP SYSTEM

APPROVED BY:  
SHEET CONTENTS:  
3RD AND 4TH FLOOR BEAM LAYOUT  
ROOF DECK TRUSS LAYOUT

DATE DRAWN:  
DATE CHECKED:

APPROVED BY:



**ERNESTO CH. MONTONE**  
CIVIL ARCHITECTURAL ENGINEER

**PROPOSED 21ST CENTURY 5 STOREY CLASSROOM BUILDING**

RECOMMENDING APPROVAL  
**DR. ARMANDO S. CULTURA II**  
PRESIDENT, LSTP SYSTEM

COORDINATING APPROVAL  
**ATTY. EDWARD B. BUSTO**  
DIRECTOR, LSTP SYSTEM

APPROVED BY:  
**DR. ARMANDO S. CULTURA II**  
PRESIDENT, LSTP SYSTEM

SHEET CONTENTS:  
5TH FLOOR BEAM LAYOUT  
ROOF DECK BEAM LAYOUT

DATE SUBMITTED:

**S5**



REPUBLIC OF THE PHILIPPINES  
UNIVERSITY OF THE SOUTH PHILIPPINES  
CLAYTON DE OÑA CAMPUS  
INFRASTRUCTURE PLANNING AND FACILITY DEVELOPMENT UNIT  
CLAYTON DE OÑA AVENUE, CALAPAN, COTABATO PROVINCE  
TEL: (083) 851-7000 FAX: (083) 851-7001  
WWW.USTIP.UMSUP.EDU.PH

PROJECT OWNER:  
UNIVERSITY OF THE SOUTH PHILIPPINES  
CLAYTON DE OÑA CAMPUS  
MISAMIS ORIENTAL

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UNIVERSITY OF THE SOUTH PHILIPPINES  
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