



CHECKED AND SUBMITTED BY
ALDEN C. ONG MEng,
SEC-MTC

REC. NO.: 66231
TRN NO.: TRB-650-706
PTR NO.: 11027mm
DATE : APR/MAY 05, 2024
BLADE : HARAB CITY

ARTHUR O. MERILLO JR.
PROFESSIONAL MEDICAL
EXAMINER

PROJECT TITLE/LOCATION
**PROPOSED RETROFITTING AND
RENOVATION OF THE SEC DAVAO
EXTENSION OFFICE**
UNIVERSITY AVENUE, JUNA SUBDIVISION, NATUNA, DAVAO CITY

RECOMMENDING APPROVAL

VINCENT G. CAÑARES

SEC. DIRECTOR, MSD

APPROVED BY

JAVIER PAUL D. FRANCISCO
COMMISSIONER

SHEET CONTENTS

ROOF DECK FIRE PROTECTION

CHANGES AND RECOMMENDATIONS AND CONTINUED DISCUSSIONS DAILY, BASED ON THE RESULTS OF THE INVESTIGATION AND RECOMMENDATIONS FOR REMEDIAL ACTION.

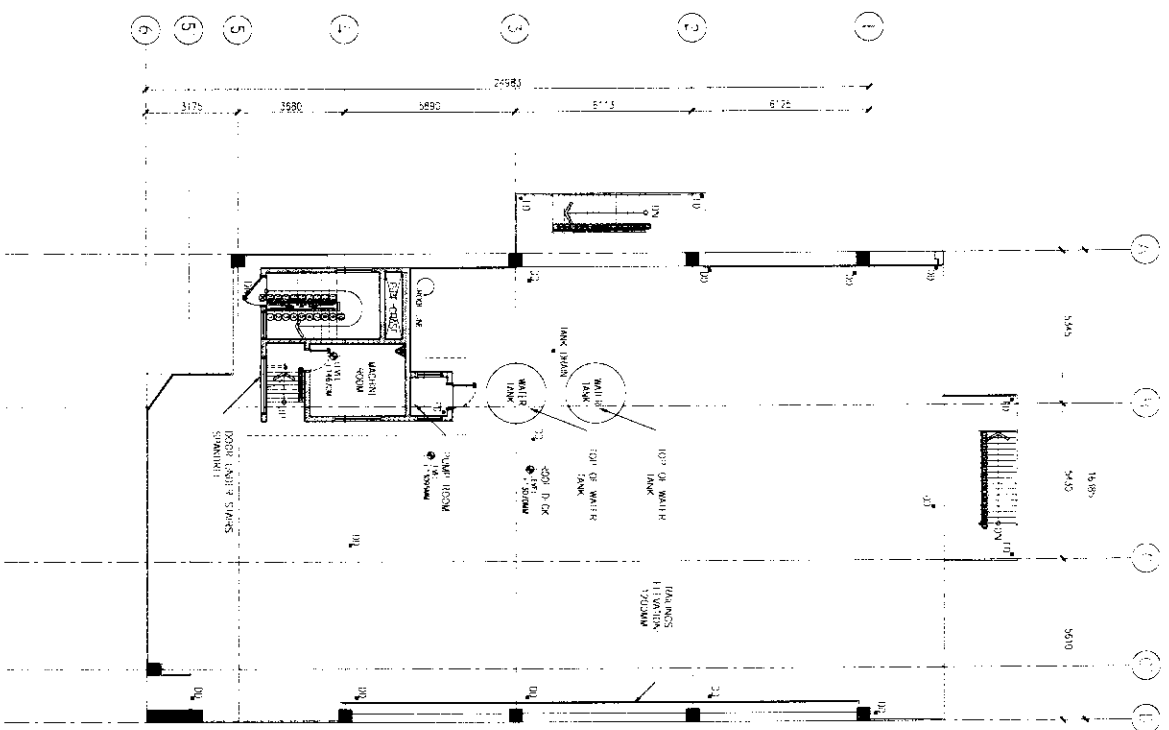
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DESIGNED	DATE
ADA	JUL 2024
APPROVED	DATE
UIC	JUL 2024

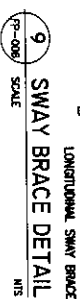
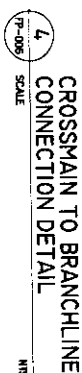
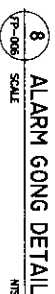
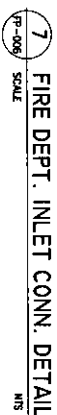
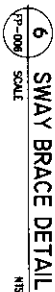
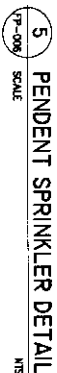
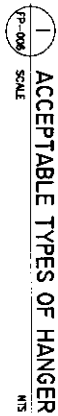
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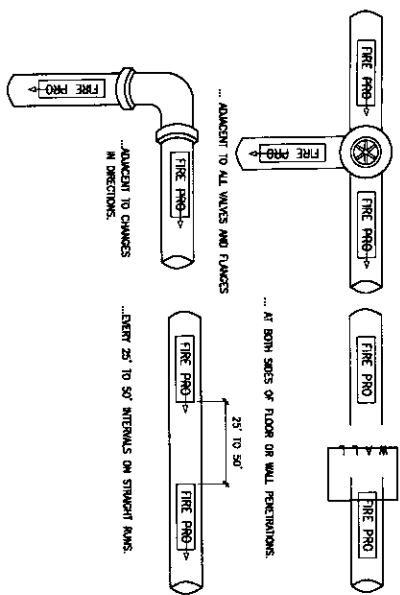
SHOWN	SCALE	PROJECT NO.	DATE
		FP-00	9-21-00

1 ROOF DECK FIRE PROTECTION LAYOUT





		Securities and Exchange Commission P H I L I P P I N E S				
ORDERED AND ISSUED BY ALDEN C ONG, Esq., AGP SEC-76	SEC. NO.: 2024 TR. NO.: 199-000-796 PAY NO.: 1077966 DATE: JANUARY 05, 2024 PLACE: MANILA CITY	PROJECT TITLE/LOCATION PROPOSED RETROFITTING AND RENOVATION OF THE SEC DANVAO EXTENSION OFFICE	RECOMMENDING APPROVAL WINCENT G. CAMARES SEC. DIRECTOR, ISO	APPROVED BY JANEY PAUL D. FRANCISCO COMMISSIONER	SUBJECT MATTER SEC. NO. 2024 TR. NO. 199-000-796 PAY NO. 1077966 DATE: JANUARY 05, 2024 PLACE: MANILA CITY	PROJECT NO. 20X30 PROJECT NO. DE-G-24-005



OUTSIDE PIPE DIAMETER	MINIMUM LENGTH OF COLOR BAND	MINIMUM HEIGHT OF LEGEND LETTERS
3/4" to 1 1/4"	(A)	(B)
1 1/2" to 2"	C	D
2" to 2 1/2"	E	F
2 1/2" to 3"	G	H
3" to 3 1/2"	I	J
3 1/2" to 4"	K	L
4" to 4 1/2"	M	N
4 1/2" to 5"	O	P
5" to 5 1/2"	Q	R
5 1/2" to 6"	S	T
6" to 6 1/2"	U	V
6 1/2" to 7"	W	X
7" to 7 1/2"	Y	Z
7 1/2" to 8"	AA	AB
8" to 8 1/2"	AC	AD
8 1/2" to 9"	AE	AF
9" to 9 1/2"	AG	AH
9 1/2" to 10"	AI	AJ
10" to 10 1/2"	AK	AL
10 1/2" to 11"	AM	AN
11" to 11 1/2"	AO	AP
11 1/2" to 12"	AQ	AR
12" to 12 1/2"	AS	AT
12 1/2" to 13"	AV	AW
13" to 13 1/2"	AX	AY
13 1/2" to 14"	AZ	BA
14" to 14 1/2"	BB	BB
14 1/2" to 15"	BC	BC
15" to 15 1/2"	BD	BD
15 1/2" to 16"	BE	BE
16" to 16 1/2"	BF	BF
16 1/2" to 17"	BG	BG
17" to 17 1/2"	BH	BH
17 1/2" to 18"	BI	BI
18" to 18 1/2"	BJ	BJ
18 1/2" to 19"	BK	BK
19" to 19 1/2"	BL	BL
19 1/2" to 20"	BM	BM
20" to 20 1/2"	BN	BN
20 1/2" to 21"	BO	BO
21" to 21 1/2"	BP	BP
21 1/2" to 22"	BQ	BQ
22" to 22 1/2"	BR	BR
22 1/2" to 23"	BS	BS
23" to 23 1/2"	BT	BT
23 1/2" to 24"	BU	BU
24" to 24 1/2"	BV	BV
24 1/2" to 25"	BW	BW
25" to 25 1/2"	BX	BX
25 1/2" to 26"	BY	BY
26" to 26 1/2"	BZ	BZ
26 1/2" to 27"	CA	CA
27" to 27 1/2"	CB	CB
27 1/2" to 28"	CC	CC
28" to 28 1/2"	CD	CD
28 1/2" to 29"	CE	CE
29" to 29 1/2"	CF	CF
29 1/2" to 30"	CG	CG
30" to 30 1/2"	CH	CH
30 1/2" to 31"	CI	CI
31" to 31 1/2"	CJ	CJ
31 1/2" to 32"	CK	CK
32" to 32 1/2"	CL	CL
32 1/2" to 33"	CM	CM
33" to 33 1/2"	CN	CN
33 1/2" to 34"	CO	CO
34" to 34 1/2"	CP	CP
34 1/2" to 35"	CQ	CQ
35" to 35 1/2"	CR	CR
35 1/2" to 36"	CS	CS
36" to 36 1/2"	CT	CT
36 1/2" to 37"	CU	CU
37" to 37 1/2"	CV	CV
37 1/2" to 38"	CW	CW
38" to 38 1/2"	CX	CX
38 1/2" to 39"	CY	CY
39" to 39 1/2"	CZ	CZ
39 1/2" to 40"	DA	DA
40" to 40 1/2"	DB	DB
40 1/2" to 41"	DC	DC
41" to 41 1/2"	DD	DD
41 1/2" to 42"	DE	DE
42" to 42 1/2"	DF	DF
42 1/2" to 43"	DG	DG
43" to 43 1/2"	DH	DH
43 1/2" to 44"	DI	DI
44" to 44 1/2"	DJ	DJ
44 1/2" to 45"	DK	DK
45" to 45 1/2"	DL	DL
45 1/2" to 46"	DM	DM
46" to 46 1/2"	DN	DN
46 1/2" to 47"	DO	DO
47" to 47 1/2"	DP	DP
47 1/2" to 48"	DQ	DQ
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51 1/2" to 52"	DY	DY
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67 1/2" to 68"	FE	FE
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70 1/2" to 71"	FK	FK
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71 1/2" to 72"	FM	FM
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73 1/2" to 74"	FQ	FQ
74" to 74 1/2"	FR	FR
74 1/2" to 75"	FS	FS
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90 1/2" to 91"	GY	GY
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92 1/2" to 93"	HC	HC
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94" to 94 1/2"	HF	HF
94 1/2" to 95"	HG	HG
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105" to 105 1/2"	IB	IB
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106" to 106 1/2"	ID	ID
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107" to 107 1/2"	IF	IF
107 1/2" to 108"	IG	IG
108" to 108 1/2"	IH	IH
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109" to 109 1/2"	IJ	IJ
109 1/2" to 110"	IK	IK
110" to 110 1/2"	IL	IL
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111 1/2" to 112"	IO	IO
112" to 112 1/2"	IP	IP
112 1/2" to 113"	IQ	IQ
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113 1/2" to 114"	IS	IS
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114 1/2" to 115"	IU	IU
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117" to 117 1/2"	IZ	IZ
117 1/2" to 118"	JA	JA
118" to 118 1/2"	JB	JB
118 1/2" to 119"	JC	JC
119" to 119 1/2"	JD	JD
119 1/2" to 120"	JE	JE
120" to 120 1/2"	JF	JF
120 1/2" to 121"	JG	JG
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121 1/2" to 122"	JI	JI
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125 1/2" to 126"	JQ	JQ
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132" to 132 1/2"	KD	KD
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158" to 158 1/2"	MD	MD
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170 1/2" to 171"	NC	NC
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171 1/2" to 172"	NE	NE
172" to 172 1/2"	NF	NF
172 1/2" to 173"	NG	NG
173" to 173 1/2"	NH	NH
173 1/2" to 174"	NI	NI
174" to 174 1/2"	NJ	NJ
174 1/2" to 175"	NK	NK
175" to 175 1/2"	NL	NL
175 1/2" to 176"</		

DRAWING INDEX	
GENERAL	
I-000	DRAWING INDEX, GENERAL, NOTES, ABBREVIATIONS, LEGENDS & SYMBOLS
I-001	EQUIPMENT SCHEDULE
I-002	EQUIPMENT SCHEDULE
I-003	GROUND FLOOR & SECOND FLOOR ARE, CONDITIONS AND VENTILATION
I-004	GROUND FLOOR & SECOND FLOOR ARE, CONDITIONS AND VENTILATION
I-005	MISCELLANEOUS DETAILS
I-006	MISCELLANEOUS DETAILS

1. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. (DO NOT SCALE FOR EQUIPMENT, DOORS OR MATERIAL LOADS). IF IT IS REQUIRED THAT A COMPLETE, TRUE SYSTEM BE PROVIDED WITH ALL NECESSARY DOCUMENTS, SPECIFICALLY CONFORM WITH ALL PARAMETERS GIVEN IN THESE DOCUMENTS, ANY MARKS AND LABELS REQUIRED FOR A COMPLETE ASIAN SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE CONTRACTOR. CONTRACTORS SHALL REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE BEGINNING CONSTRUCTION AND SHALL BE RESPONSIBLE FOR COORDINATION WITH ALL OTHER TRADES AND AGENCIES. ALL MATERIALS AND INSTALLATION DRAWINGS FOR COORDINATION WITH ALL OTHER TRADES SHALL BE IN ACCORDANCE WITH THE PROJECT MANUAL.
2. ALL DATA THEREON RECEIVED ARE NOT CLEAR INDICATIONS OF ANY EXISTING CONDITIONS, UNLESS OTHERWISE NOTED. THE FREE AREA OF ALL EXTERNAL LOADERS SHALL BE A MINIMUM OF 50% OF DESIGN AREA.
3. ALL EXISTING CONDITIONS SHALL BE MAINTAINED UNLESS OTHERWISE INDICATED.
4. ALL MATERIALS TO BE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL VERIFY AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING. THE CONTRACTOR SHALL, START IN ORDER TO FULFILL THE REQUIREMENTS OF LOCAL AGENCIES, ALSO REFER TO THE LIFE SAFETY PLANS.
5. ALL AIR GRILLS / LOADERS SHALL BE MADE OF ALUMINUM UNLESS OTHERWISE SPECIFIED. THE COLOR & SURFACE FINISHING OF THE GRILLS / LOADERS SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL BEFORE MATERIAL ORDERING. UNLESS OTHERWISE SPECIFIED, COLOR FINISH SHALL BE IN MATCH DAVALL PAINT.
6. ALL IN-PAINT DAVALL PAINT.
7. UNLESS OTHERWISE NOTED, THE EQUIPMENT AND PIPE WORK SHALL BE OF SEISMIC SPECIFIC TYPE.
8. FOR PIPES, STAVES AND DUCTS THROUGH FIRE BARRELS, THE GAP BETWEEN THE PIPES AND ITS STAVES, AND THE GAP BETWEEN THE DUCTS AND THE BARRELS MUST BE FULLY SEALED WITH FIREPROOF MATERIALS LEAVING A PERIOD OF THE RESISTANCE EQUAL TO THE FIRE RESISTANCE OF DUCTS AND PIPES THROUGH WALL AND FLOOR SHALL COMPLY WITH ALL STANDARD AND REQUIREMENTS.
9. ALL DUCT ELEVATIONS MUST BE FITTED WITH TURNING WELDS TO SHOW UNIFORMITY.
10. SIZE OF ELEVATIONS, LOADERS OR OVERHEADS SHOWN ARE HECK SIZE UNLESS OTHERWISE SPECIFIED.
11. IN THE ABSENCE OF ANY OTHER REQUIREMENT NOT FOUND IN THE PROJECT CODE, THE MATERIALS, CONSTRUCTION AND INSTALLATION OF THE DUCTWORKS SHALL COMPLY WITH THE REQUIREMENT OF STANDARD OR ASIAN STANDARDS.
12. ALL EQUIPMENT, DUCTWORKS AND OTHER ACCESSORIES INSTALLED OUTDOOR SHALL BE WEATHERPROOFED AND PROTECTED FROM PAINING WAYS WITH ALUMINUM CLADDING.
13. COMMUNIQUE AND REFER TO ARCHITECTURAL, CEILING PLANS AND PAINT, ETC. & LAYOUT FOR EXACT LOCATION OF ALL CEILING, MOUNTED OR DISCRETELY MOUNTED DEVICES, COMMUNIQUE EXACT LOCATION OF SLOTS, GRILLS, REFRIGERATORS, AND OTHERS WITH ARCHITECTURAL, ELECTRICAL CEILING PLANS, IF AVAILABLE, AND PRESENT IT TO THE ARCHITECT FOR HIS REVIEW AND FOR APPROVAL.
14. UNLESS OTHERWISE NOTED, AND AS WELL AS POSSIBLE, UNLESS OTHERWISE NOTED, TRANSFER OF MATERIALS THROUGH THE TOP AND THE SIZES, ALL DATA, FITTINGS FROM SLOPE OF ROUND SHALL BE SMOOTH SQUARE TO ROUND TRANSITIONS, SPAN - IN TRANSITIONS AT THE END OF CAPPED DUCTS ARE NOT ACCEPTABLE.
15. ALL OPEN DUCT DATA SHALL BE RIGIDLY/NOTED, SCHEDULED AND REINFORCED WITH 375mm x 375mm x 3.5mm GALVANIZED STEEL, BARS BOLDLY SCHEDULED OR PREPARED 15mm ON CENTER (MAXIMUM) ALL AROUND THE EXISTING PERIMETER OF THE DUCT.
16. UNLESS OTHERWISE NOTED, WHEN MOUNTED ON PLANS AT 1500mm, ALL UNLESS OTHERWISE NOTED, SEE THE ARCHITECTURAL, AND MOUNTED DRAWINGS AS WELL AS THE MECHANICAL DRAWINGS FOR THE COORDINATED LOCATIONS, WHERE THERE IS A COMBINATION OF LOCATIONS AMONG THE DRAWINGS, MOUNT THE ASPECTED IMMEDIATELY FOR RESOLUTION.

16. ALL DRYWALLS INSTALLED IN LIFT OR CEILING SHALL BE 1/2" AWG UNLESS OTHERWISE NOTED. ALL PARTITIONS IN CORRIDORS OR WITHIN ROOMS OF A BOLT TO PROVIDE 2" AIR OR 3/8" MINIMUM AIR FLOW OR PROVIDED TO BOLT.
17. ALL WORK IN THE CEILING REPAIR SHALL BE FLEXIBLE-RATED CABLE PER NFPA-70 OR BE INSTALLED IN METAL CONDUIT.
18. ALL CEILING ABOVE THE DISTRIBUTION DEVICES LOCATED IN UNOCCUPIED CEILING SHALL HAVE FACE PROTECTORS. CHANGES TO ALLOW AIR BLOWING OF THE SYSTEM AFTER THE CEILING IS IN PLACE.
19. INSULATE ALL FRESH AIR EXHAUST AIR SUPPLY & RETURN AIR DUCTWORKS.
20. ALL RETURN, INTAKE, EXHAUST, VENTS, PANS AND DUCTS ABOVE CEILING SHALL BE ACCESSIBLE. CONDUIT AT ACCESS POINTS IN CEILING OR WALLS WITH ARCHITECTURAL REFLECTED CEILING PANELS AND REPAIR PANELS FOR REPAIR LOCATION NO ACCESS PANELS ARE ALLOWED IN PUBLIC SPACES WITHOUT FLOOR MATHICAL APPROVAL OF THE ARCHITECT.
21. THE FRESH AIR DUCT (BRANCH DUCT) SERVING EACH FAN COIL UNIT SHALL BE PROVIDED WITH VALVE DAMPER MATHICAL SHOWN OR NOT SHOWN ON DRAWINGS.
22. AFTER SUBMITTAL, APPROVALS AND PRIOR TO ORDERING OF ANY EQUIPMENT OR ACCESSORIES, OR BEFORE FABRICATION AND/OR ASSEMBLY OF PIPING, DUCTS AND ANY DEVICES/COMPONENTS, THE CONTRACTOR SHALL ENSURE THAT EVERYTHING HAS BEEN VERIFIED AT SITE AND COORDINATED WITH THE OWNER'S DESIGN TEAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CORRECT ANY DISCREPANCIES IN THE OWNER'S DESIGN TEAM'S DOCUMENTS PRIOR TO THE CONTRACTOR'S FAILURE TO FOLLOW THE ABOVE OR HIS LACK OF DUE DILIGENCE. ALL WORKS AS RECOMMENDED SHALL BE PERFORMED BY THE CONTRACTOR WITHOUT ADDITIONAL, COST CHARGE ORDER.
23. IN GENERAL, REFER TO MECHANICAL PLANS FOR QUANTITY OF AC & VENTILATION GRILLS AND DEVICES FOR REFERENCE. PROVIDES REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATION OF UNITS.
24. DUCT CLIPS WITH DAMPERS OR ANY RESILIENT MATERIAL, SUCH AS RUBBER, MUST BE PROVIDED. DUCT CLIPS IN ROOFS WHERE WALLS OR CEILING ARE SLOPED FROM THE REST OF MAIN BUILDING STRUCTURE.
25. ALL SUSPENDED AND CLAMP HUNGED PIPES AND EQUIPMENT SHALL BE PROVIDED WITH PROPER ISOLATORS AS RECOMMENDED BY ASHRAE (TABLE 47.2) OR AS NOTED. ASHRAE HANDBOOK (2001 EDITION) MUST BE USED.
26. ALL JUTE JOINTS IN ROOFS WITH SUSPENDED CEILING SHALL RUN IN THE CEILING VOID UNLESS OTHERWISE NOTED.
27. MATERIAL SPECIFICATIONS ARE AS FOLLOWS: (PLEASE REFER TO TECHNICAL SPECIFICATIONS) a. DUCT SPECIFICATIONS
1. AIRWAY, (ALL SUPPLY AND RETURN AC DUCTS, 500 & 600, 10 METERS UPSTREAM & DOWNSTREAM OF FANS)
- 5mm THICK ACOUSTIC DUCT LINER, 60 Wt.% DENSITY WITH PERFORATED STEEL MESH.
2. EXTERIOR, (ALL SUPPLY, RETURN AC DUCTS, FRESH & EXHAUST AIR DUCTS) (500, 600, 700, 500 & 600)
- 5mm THICK FIBER GLASS INSULATION, 48 Wt.% DENSITY WITH WAPOR BARRIER.
- b. DAMPENER SHEET SPACING - NOT SHOWN DAMPENER STEEL SHEET CONFORMING TO SMACH, (750 DUCT) DUCT SCHEDULE SHOWN BELOW IS REPRESENTATIVE ONLY.
- | LARGER DUCT DIMENSION (mm) | | U.S. Conf |
|---------------------------------|----|-----------|
| UP TO 750 | 24 | |
| 775 TO 1500 | 22 | |
| 1575 TO 2100 | 20 | |
| ABOVE 2100 | 18 | |
| KITCHEN EXHAUST DUCT (ANY SIZE) | 18 | |
| PRESSURIZATION DUCT (ANY SIZE) | 18 | |
- c. DUCT SEALANT - PRE-RESINING, WATER BASED CONFORMING TO UL 181B - TOSTER DUCT FAST OR EQUAL.
- d. ALL PERFORATE DUCTWORK SHALL BE PRE-INSULATED, THE MAXIMUM ALLOWABLE LENGTH FOR FLEXIBLE DUCT SHALL BE 1.5 METERS.
28. ALL FAN WITH A CAPACITY FLOW OR GREATER THAN 40,000 CFM (60,000CMH) SHALL BE OPENED BY VIBRATION FREQUENCY DRIVE (VFD) DRIVE & NOT SHOWN ON DRAWINGS.

UPPER DUCT DIMENSION (mm)	U.S. GCF#
UP TO 750	24
775 TO 1350	22
1375 TO 2100	20
ABOVE 2100	18
KITCHEN EXHAUST DUCT (ANY SIZE)	18
PRESSURIZATION DUCT (ANY SIZE)	18

ALL PIERCE NETWORK SHALL BE PRE-INSULATED. THE MAXIMUM ALLOWABLE LENGTH FOR FLEXIBLE DUCT SHALL BE 15 METERS.

ABBREVIATIONS		ABBREVIATIONS		DESCRIPTION	
FDU	FAN COIL UNIT	F/B	FROM BELOW		
ACCU	AIR COOLED CONDENSING UNIT	F/A	FROM ABOVE		
TP	TYPICAL	EF	EXHAUST FAN		
RM	ROOM	TF	TOILET EXHAUST FAN		
CFM	CUBIC FEET PER MINUTE	RM	RAISE HOOD		
1/A	TO ABOVE				
1/B	TO BELOW				
TR	TONS OF REFRIGERATION				
1/B	TO BELOW				
EF	EXHAUST FAN				
RM	REVOLUTIONS PER MINUTE				

LEGEND & SYMBOLS	
SYMBOLS	DESCRIPTION
	SELF-BLAST AIR COOLED CONDENSING UNIT (SMALL FAN)
	FAN COIL UNIT (WALL MOUNTED)
	WALL MOUNTED DIRECT EXHAUST
	EQUIPMENT DESIGNATION
	REFRIGERANT PIPES
	CEILING CASSETTE EXHAUST FAN
	VENT CAP



ALDEN C. ONG MEMO. ASSP	AGE NO. 00231	AGE NO. 118-850-718	PTN NO. 1007888	DATE : JANUARY 03, 2004	PLACE : MARCH CITY	PR
SD-11C						

PROPOSED RETROFITTING AND RENOVATION OF THE SEC DAVAG EXTENSION OFFICE	MR. J. L. JACOBSON MR. J. L. JACOBSON MR. J. L. JACOBSON
UNIVERSITY AVENUE, SAN JOSE, CALIF. 95128	

YHINCENT G. CAÑARES
SEC DIRECTOR, NSD

JAVIER PAUL D. FRANCISCO
COMMISSIONER

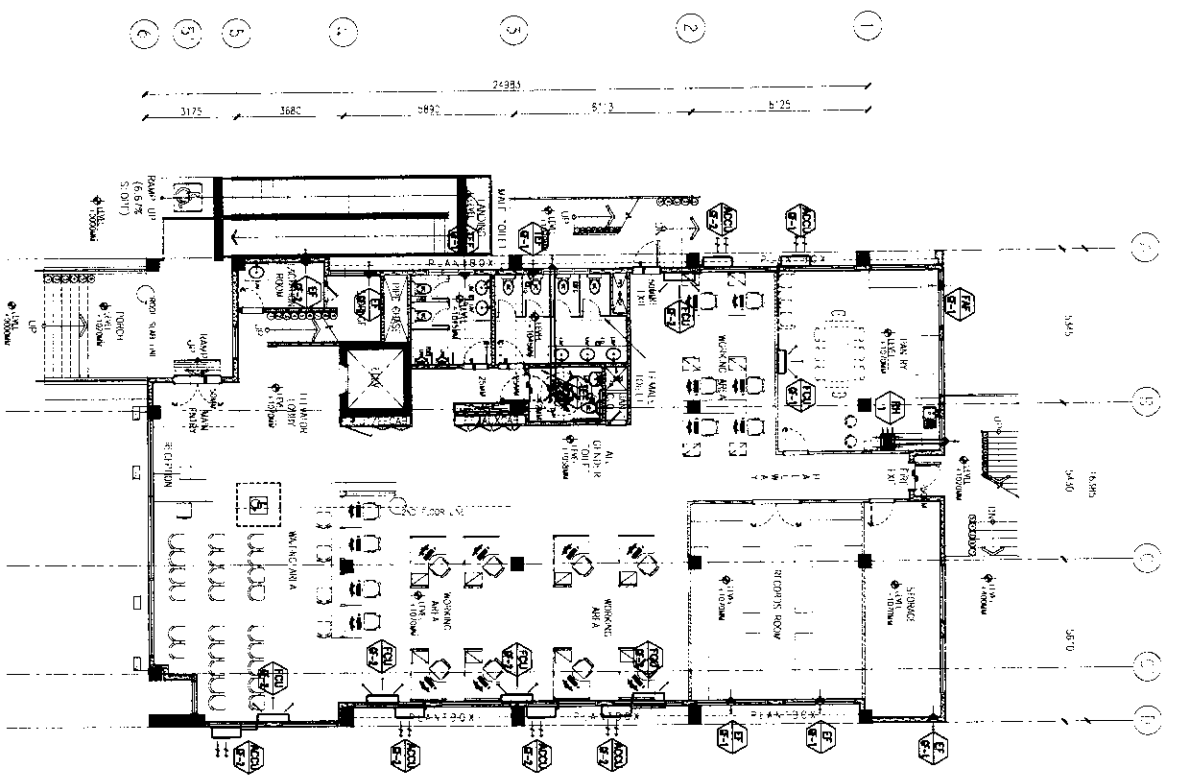
ORANGE, MOX, LIGAND AND SYMBOL
AND ASSOCIATIONS.

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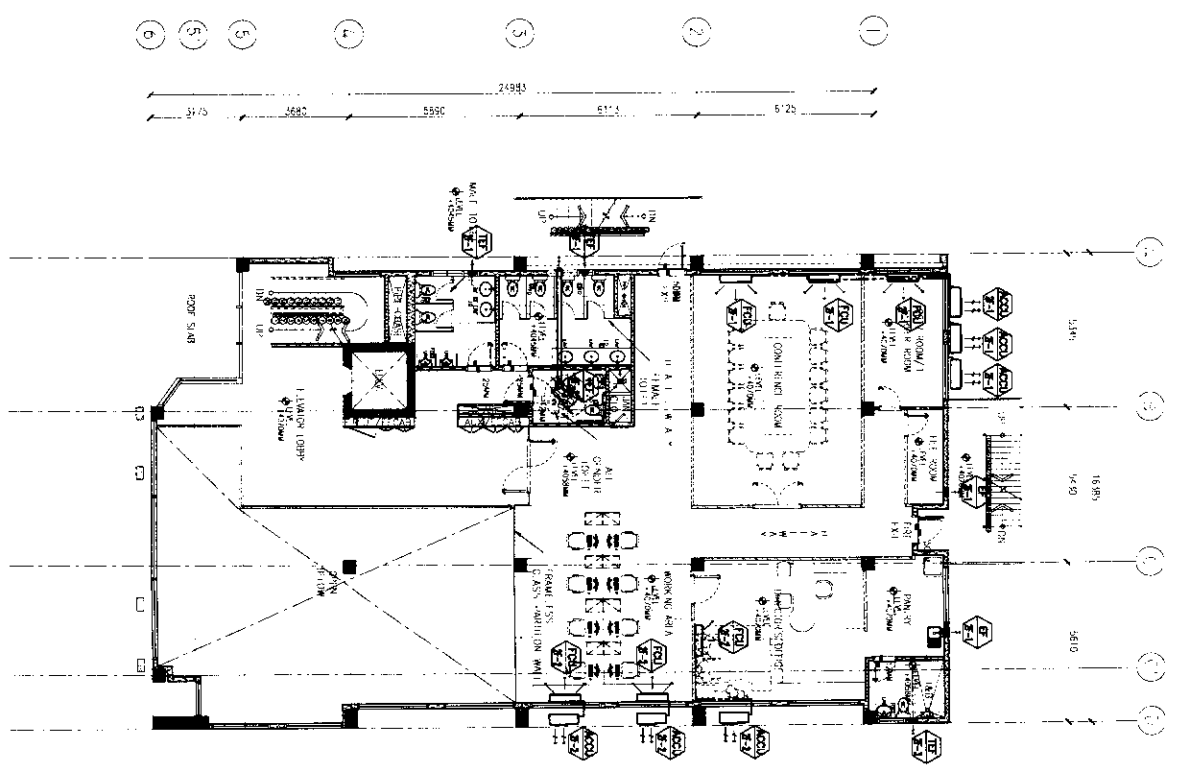
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RECORDED	DATE		SOURCE		
AJUN	JUL 2004				
PP99050	DATE				
LA 2004			AS SHOWN	DE-CLASS	

DESIGN AND SUBMITTED BY		PROJECT TITLE/LOCATION		RECOMMENDING APPROVAL		APPROVED BY		SHEET CONTENTS		DATE		REVISIONS		DATE		SHEET NO.	
ALDEN C. ONG, MPE, AEP SEC-INC		PROPOSED RETROFITTING AND RENOVATION OF THE SEC DAVAO EXTENSION OFFICE		VINCENT O. CANARES SEC DIRECTOR, LBO		JAMES PAUL D. FRANCISCO COMMISSIONER		GROUND FLOOR AIR CONDITIONING AND VENTILATION LAYOUT		20X30		M-003		20X30		M-003	
DATE: JANUARY 02, 2024		PROJECT: SEC DAVAO		DATE: JANUARY 02, 2024		DATE: JANUARY 02, 2024		DATE: JANUARY 02, 2024		DATE: JANUARY 02, 2024		DATE: JANUARY 02, 2024		DATE: JANUARY 02, 2024		DATE: JANUARY 02, 2024	
PLACE: SEC DAVAO		PROJECT: SEC DAVAO		DATE: JANUARY 02, 2024		DATE: JANUARY 02, 2024		DATE: JANUARY 02, 2024		DATE: JANUARY 02, 2024		DATE: JANUARY 02, 2024		DATE: JANUARY 02, 2024		DATE: JANUARY 02, 2024	

1 GROUND FLOOR AIR CONDITIONING AND VENTILATION LAYOUT
SCALE: 1:1000

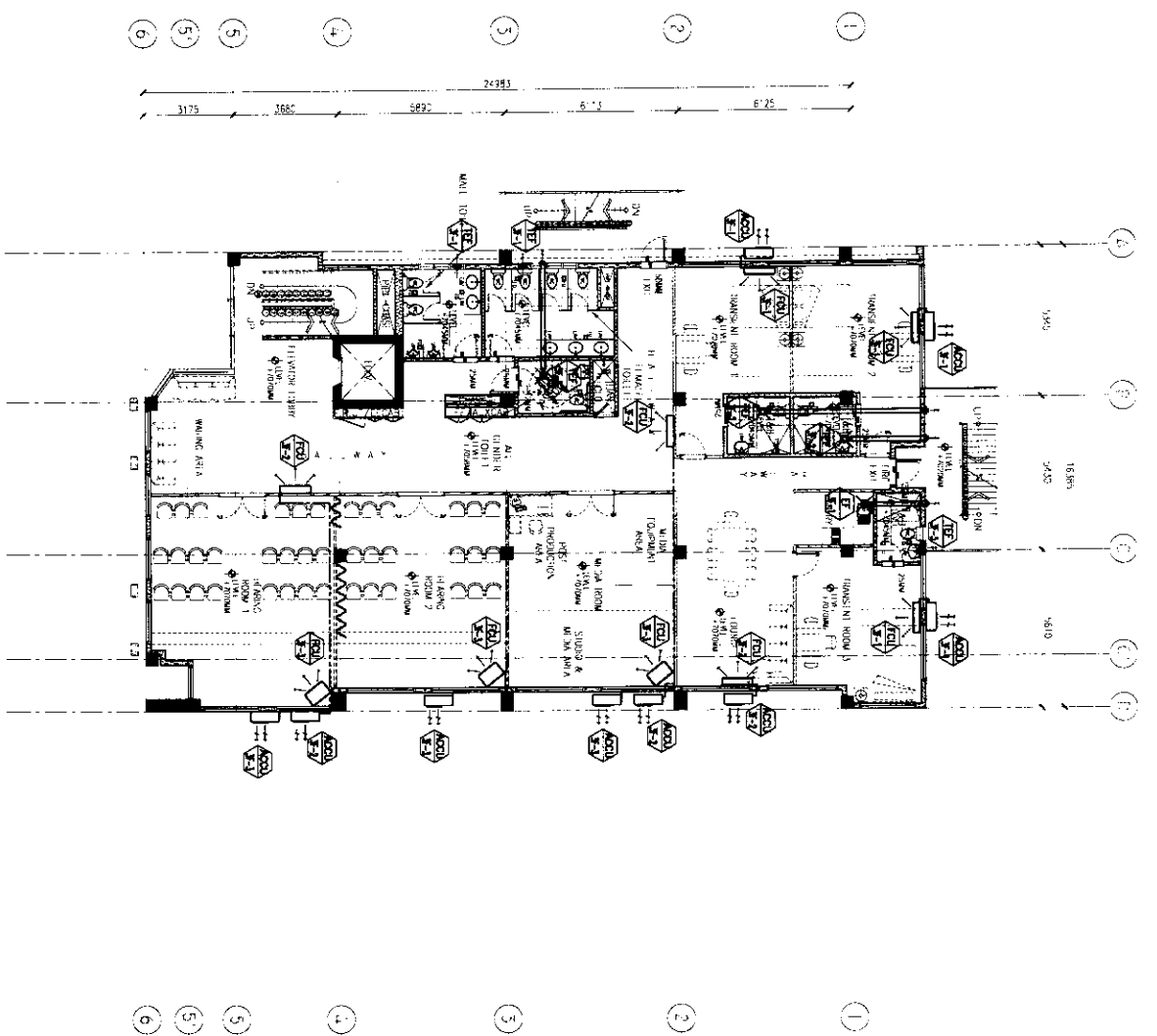


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SCALE: 1:1000

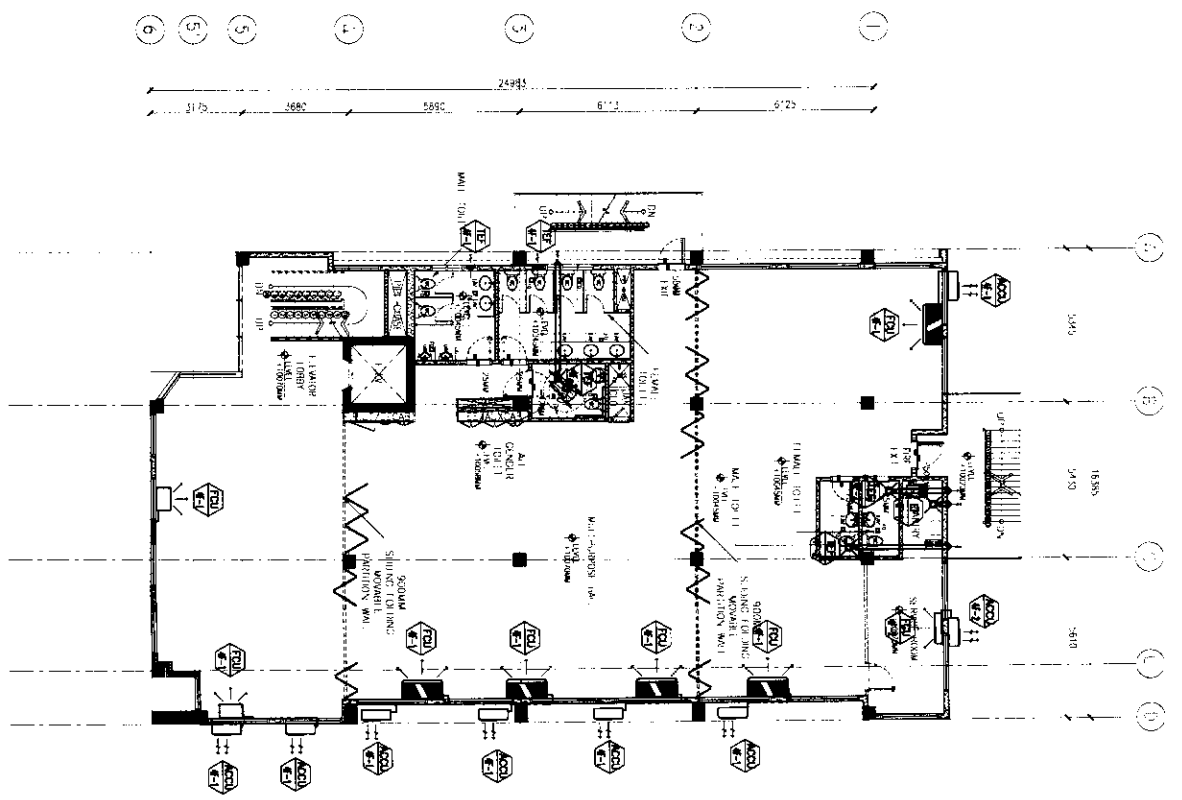


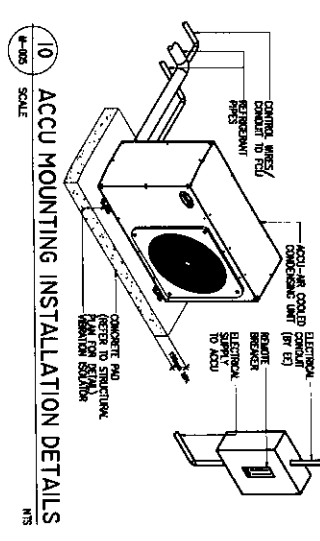
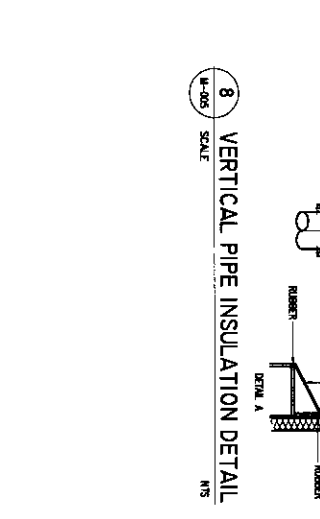
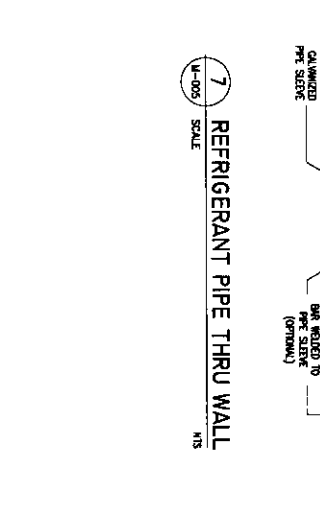
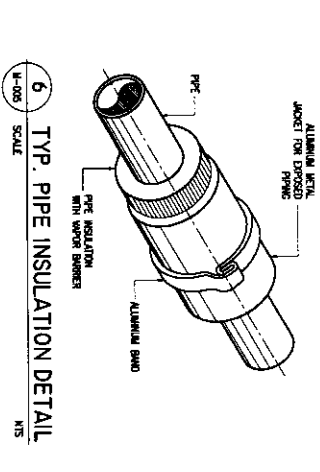
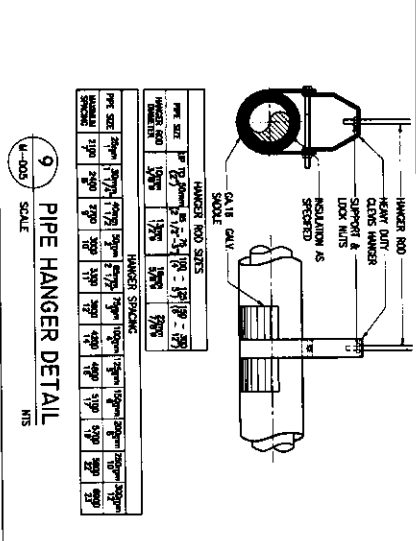
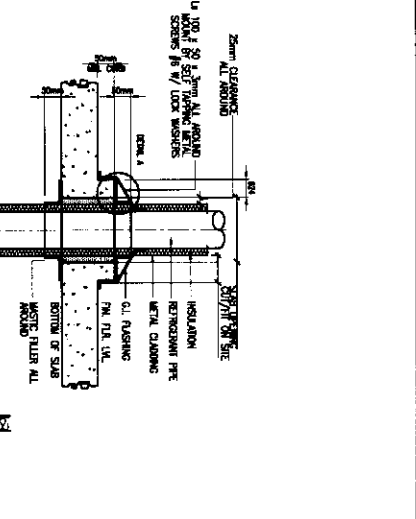
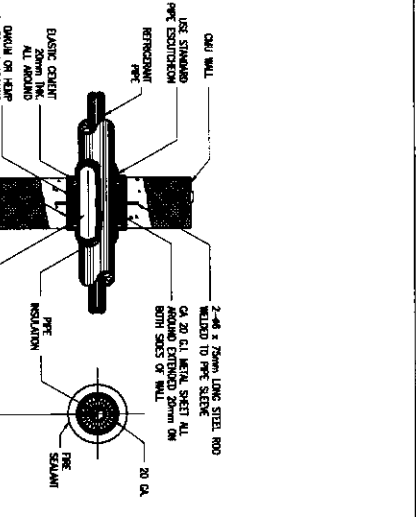
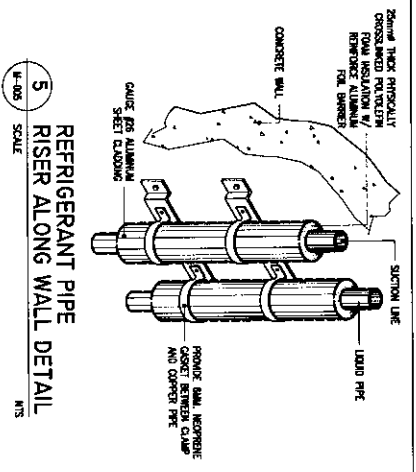
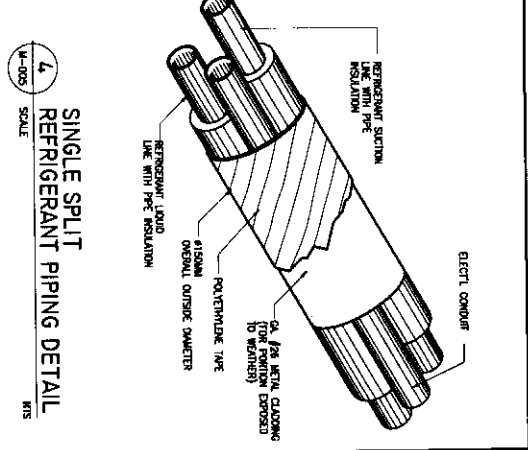
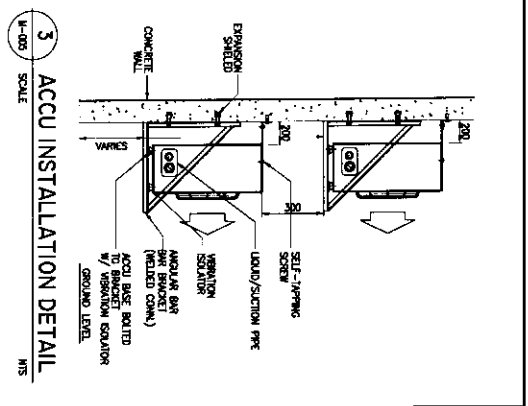
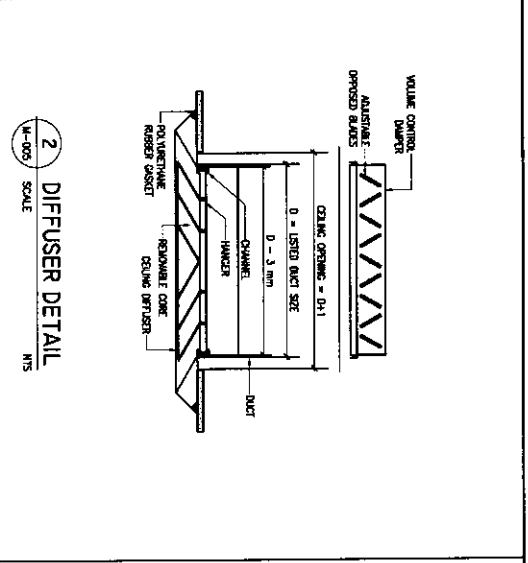
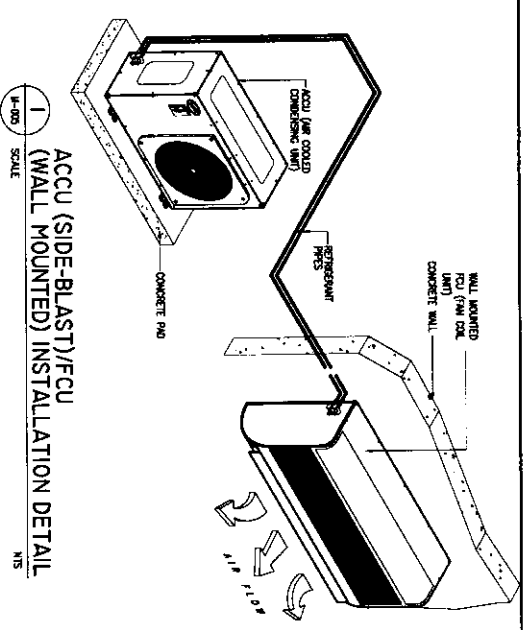
DESIGNED AND SUBMITTED BY ALDEN C ONG, M.Sc., AEP SEC-INT	DES. NO.: 00001 REV. NO.: 100-000-100 DATE: JANUARY 01, 2004 PLACE: MANILA CITY	PROJECT TITLE/LOCATION PROPOSED RETROFITTING AND RENOVATION OF THE SEC DAVAO EXTENSION OFFICE UNIVERSITY AVENUE, SAN SEBASTIAN MARIANA, DAVAO CITY	RECOMMENDING AGENCY VINCENT G. CANARES SEC. DIRECTOR, SEC	APPROVED BY JANEY PAUL D. FRANCISCO COMMISSIONER	SHEET CONTENTS THIRD FLOOR AIR CONDITIONING AND VENTILATION LAYOUT AND VENTILATION LAYOUT	<table><tr><td>NO.</td><td>DATE</td><td>REVISIONS</td><td>CHK</td><td>DATE</td><td>BY</td><td>SCALE</td><td>SHEET NO.</td></tr><tr><td>1</td><td>20X30</td><td></td><td></td><td></td><td></td><td></td><td>M-004</td></tr><tr><td>2</td><td>20X30</td><td></td><td></td><td></td><td></td><td></td><td>M-004</td></tr><tr><td>3</td><td>20X30</td><td></td><td></td><td></td><td></td><td></td><td>M-004</td></tr><tr><td>4</td><td>20X30</td><td></td><td></td><td></td><td></td><td></td><td>M-004</td></tr><tr><td>5</td><td>20X30</td><td></td><td></td><td></td><td></td><td></td><td>M-004</td></tr><tr><td>6</td><td>20X30</td><td></td><td></td><td></td><td></td><td></td><td>M-004</td></tr></table>										NO.	DATE	REVISIONS	CHK	DATE	BY	SCALE	SHEET NO.	1	20X30						M-004	2	20X30						M-004	3	20X30						M-004	4	20X30						M-004	5	20X30						M-004	6	20X30						M-004																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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					1. I have read and approved the design and construction of the proposed system, and I am satisfied that it will meet the requirements of the applicable codes and standards.	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE

1 THIRD FLOOR AIR CONDITIONING AND VENTILATION LAYOUT
SCALE: 1:1000



2 FOURTH FLOOR AIR CONDITIONING AND VENTILATION LAYOUT
SCALE: 1:1000





Securities and Exchange Commission
PHILIPPINES

ALBERT C. ONG, MANAGING PARTNER
SEC-HIC

PLACE: MANILA CITY

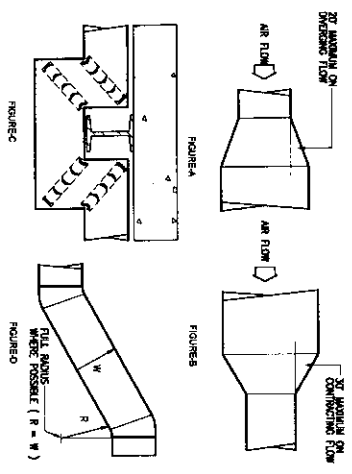
PROJECT TITLE/LOCATION: PROPOSED RETROFITTING AND RENOVATION OF THE SEC DAVAO EXTENSION OFFICE

RECOMMENDING ARCHITECT: VINCENT G. CANARES, SEC. DIRECTOR, NDO

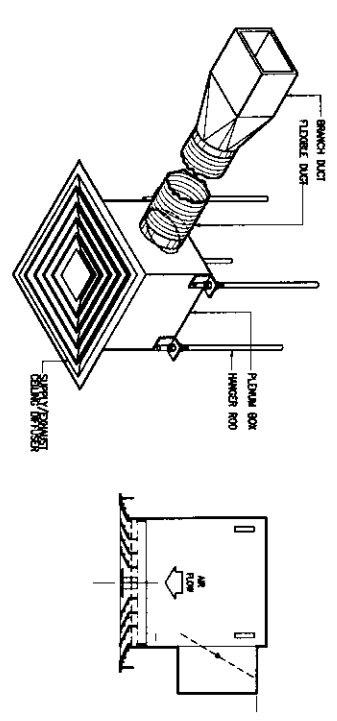
APPROVED BY: JAMES PAUL D. FRANCISCO, COMMISSIONER

SHEET CONTENTS: ELECTRICAL DETAILS

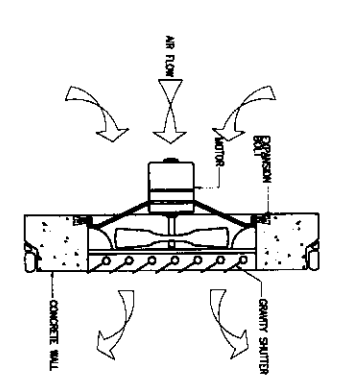
NO.	DATE	NO.	REVISIONS	CHK.	DATE	POWER SET	SHEET NO.
1	APR. 2004					20X30	M-005
2	APR. 2004					SCALE	PROJECT NO.
3	APR. 2004					AS SHOWN	DE-C-24-005



1 DUCT OFFSET DETAIL
H-006 SCALE NTS



2 CEILING SUPPLY/EXHAUST FAN
H-006 SCALE NTS



3 WALL MOUNTED SUPPLY & EXHAUST FAN DETAIL
H-006 SCALE NTS

 Securities and Exchange Commission P H I L I P P I N E S	DESIGNED AND SUBMITTED BY		PROJECT TITLE/LOCATION		RECOMMENDING AGENCY		APPROVED BY		SHEET CONTENTS		REGULATORY DETAILS	
	ALDEN C. ONG, M.A., M.P., M.B. SEC-INTC		PROPOSED RETROFITTING AND RENOVATION OF THE SEC DAVAO EXTENSION OFFICE UNIVERSITY MICROFILMS INTERNATIONAL DAVAO CITY		VINCENT G. CANARES SEC DIRECTOR, NDO		JAMES PAUL D. FRANCISCO COMMISSIONER		ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING:		REVISIONS	
	REG. NO. 00001 TEL NO. : 799-500-799 FAX NO. : 1007799 DATE : MAY/JUN 06, 2004 PLACE : DAVAO CITY								DATE		NO.	
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DATE: 4/4/87 TIME: 10:40-7:05 PRR NO: 1007899 PLANT: JACOB CITY	DET. NO: 00251

PABLO P. TAMAYO JR.
SAVITRY ENGINEER

PROJECT TITLE/LOCATION
PROPOSED RETROFITTING AND
RENOVATION OF THE SEC DAVA
EXTENSION OFFICE
UNIVERSITY AVENUE, ANNA SUBDIVISION BAYVIEW, DAVAO CITY

WINCENT G. CANARES
SEC DIRECTOR, MCO

APPROVED BY _____
JAVEY PAUL D. FRANCISCO
COMMISSIONER

SITE DEVELOPMENT PLAN WASTEWATER LAYOUT	PROJECT CONDITIONS
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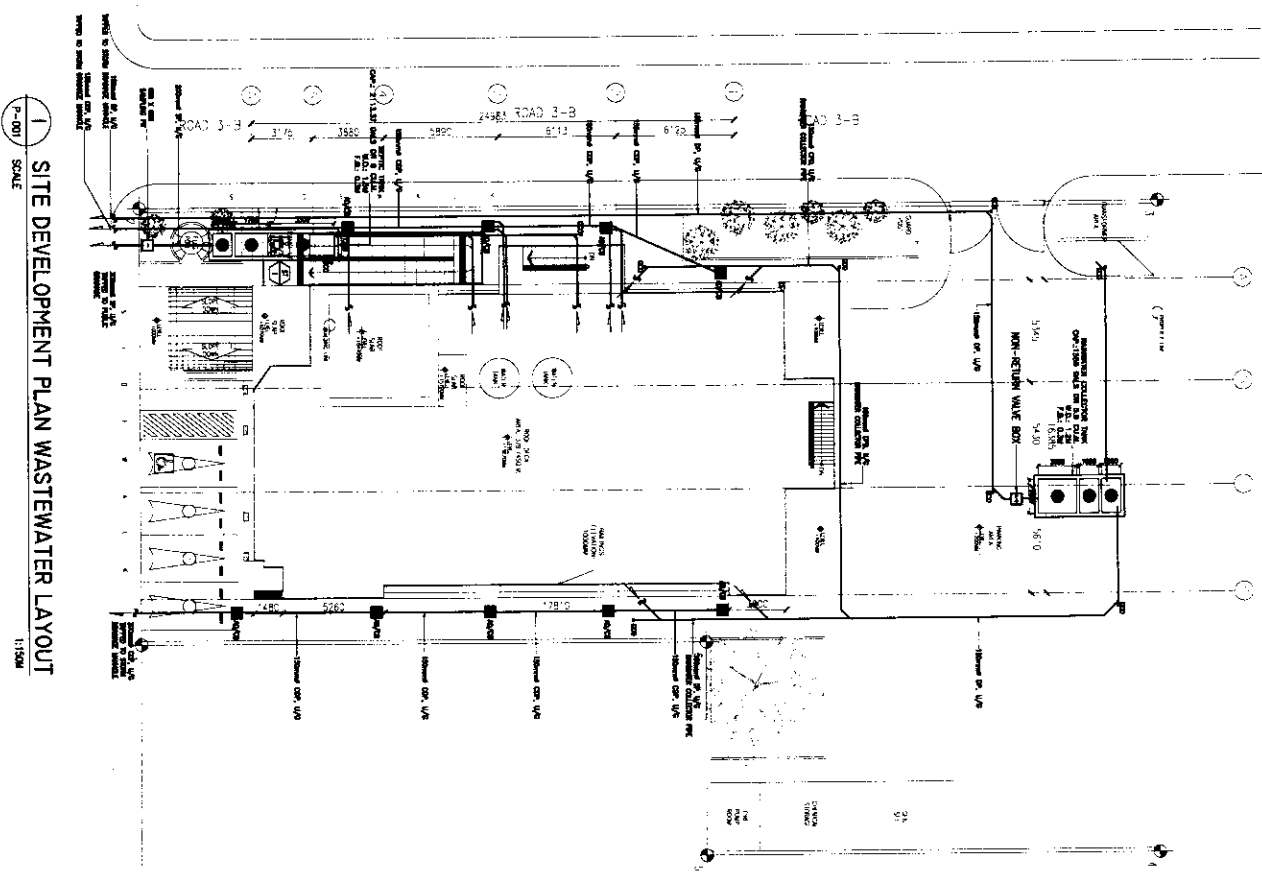
CHANGES AND IMPROVEMENTS AND CONTINUED COLLABORATION WITH INDUSTRY IN ORDER TO BRING ABOUT THE MOST ADVANCED AND EFFECTIVE PROPERTY AND COLLATERAL MANAGEMENT SYSTEMS FOR THE MARKET. FOR MORE INFORMATION, CONTACT THE NATIONAL ASSOCIATION OF REALTORS, 1301 K STREET, N.W., WASHINGTON, D.C. 20004, OR CALL (202) 462-6000.

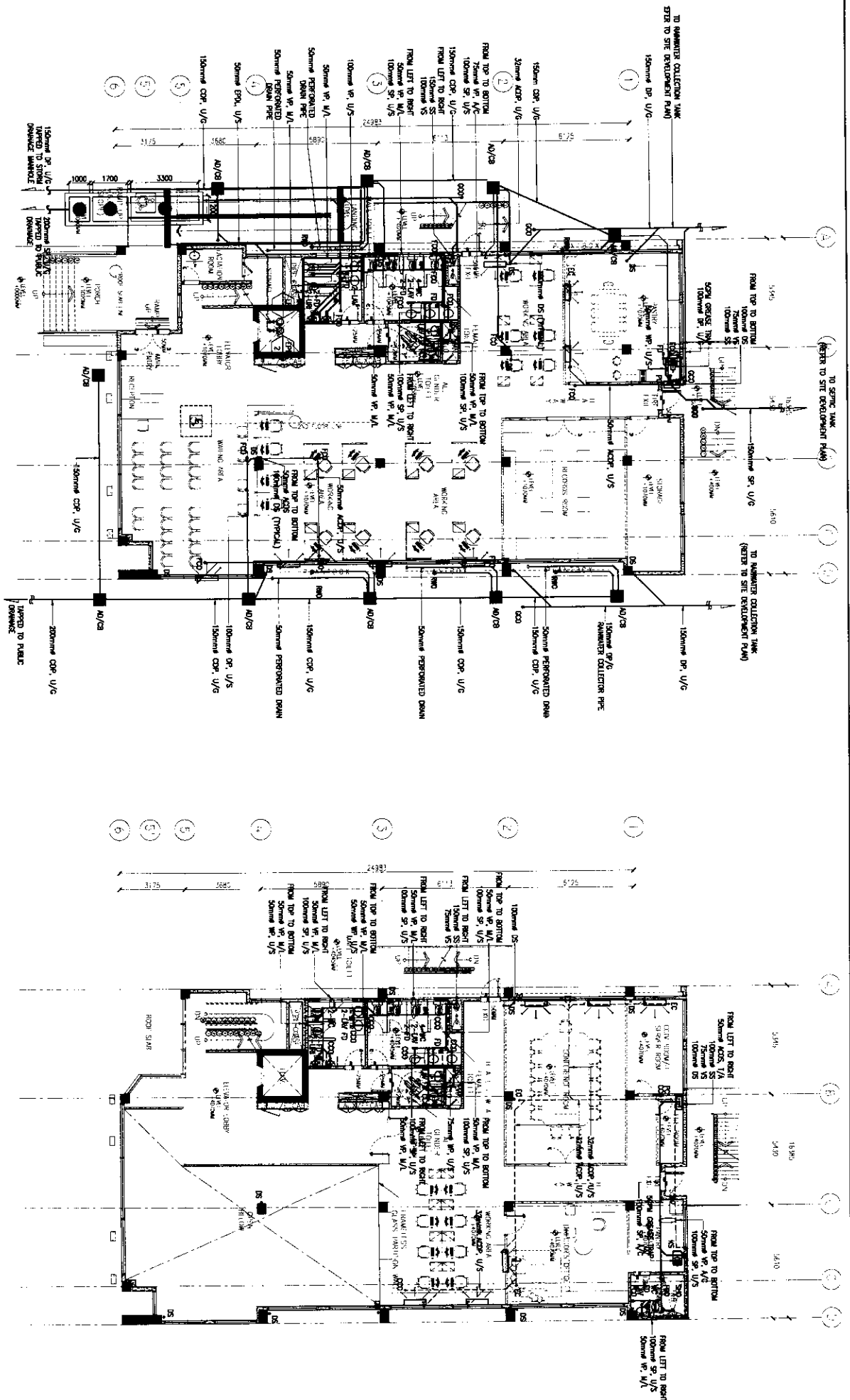
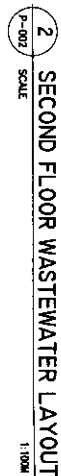
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CCR	AL 2024
DEPARTMENT	DATE
JO/TEAM	AL 2024
APPROVED	DATE
PPT	AL 2024

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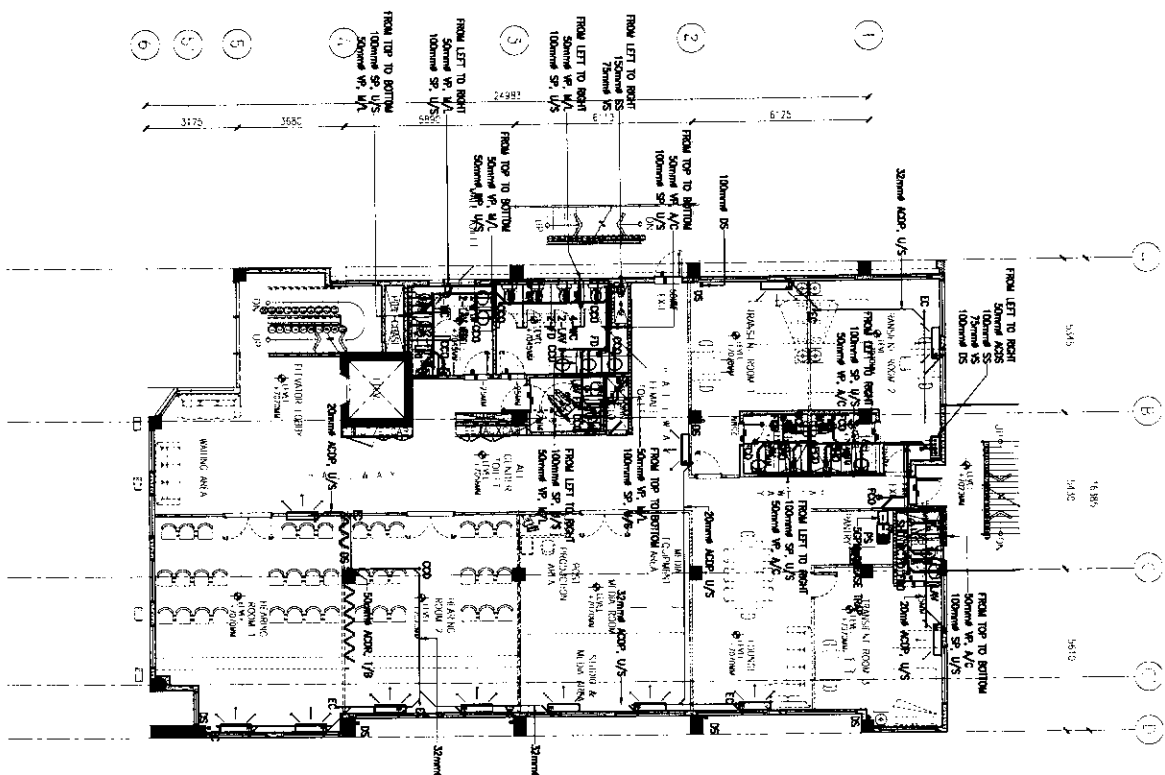
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P-001	PROJECT NO.
DE-G-24-000	IN

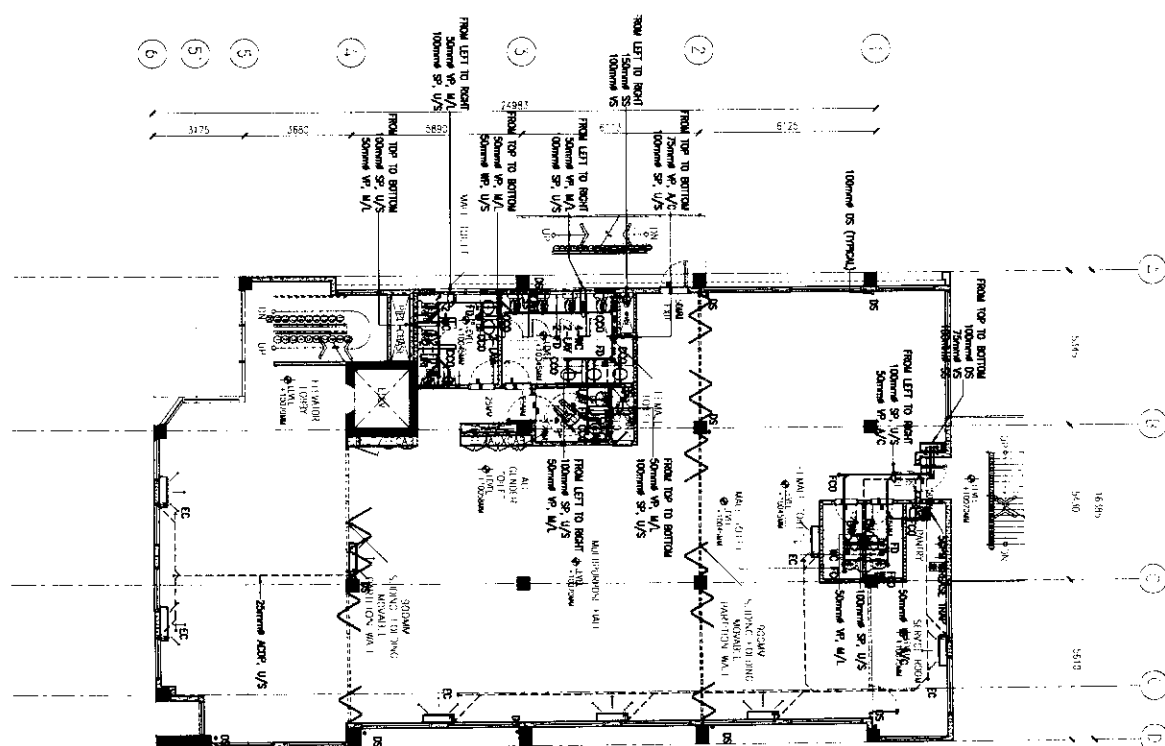




1 THIRD FLOOR WASTEWATER LAYOUT
P-003 SCALE 1:100M



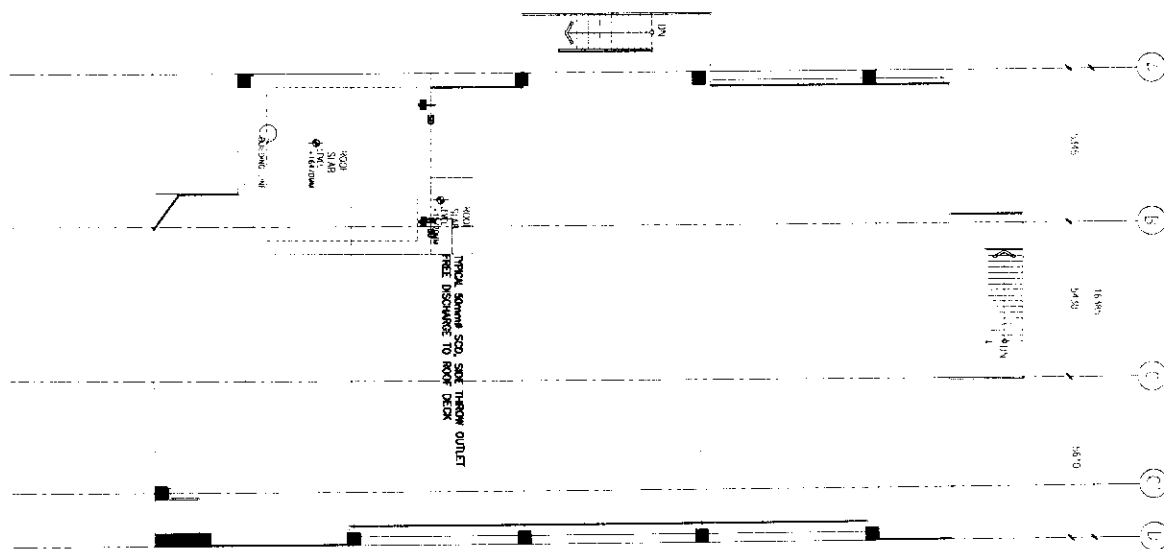
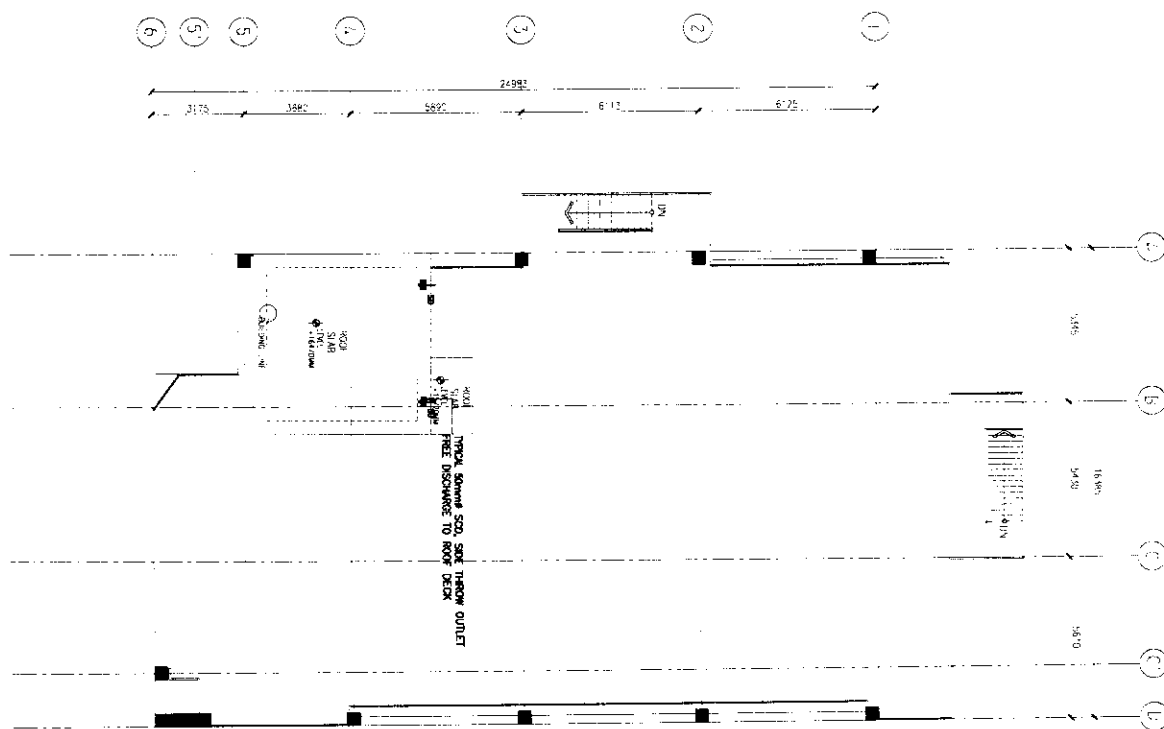
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P-003
FOURTH FLOOR WASTEWATER LAYOUT
SCALE 1:100M

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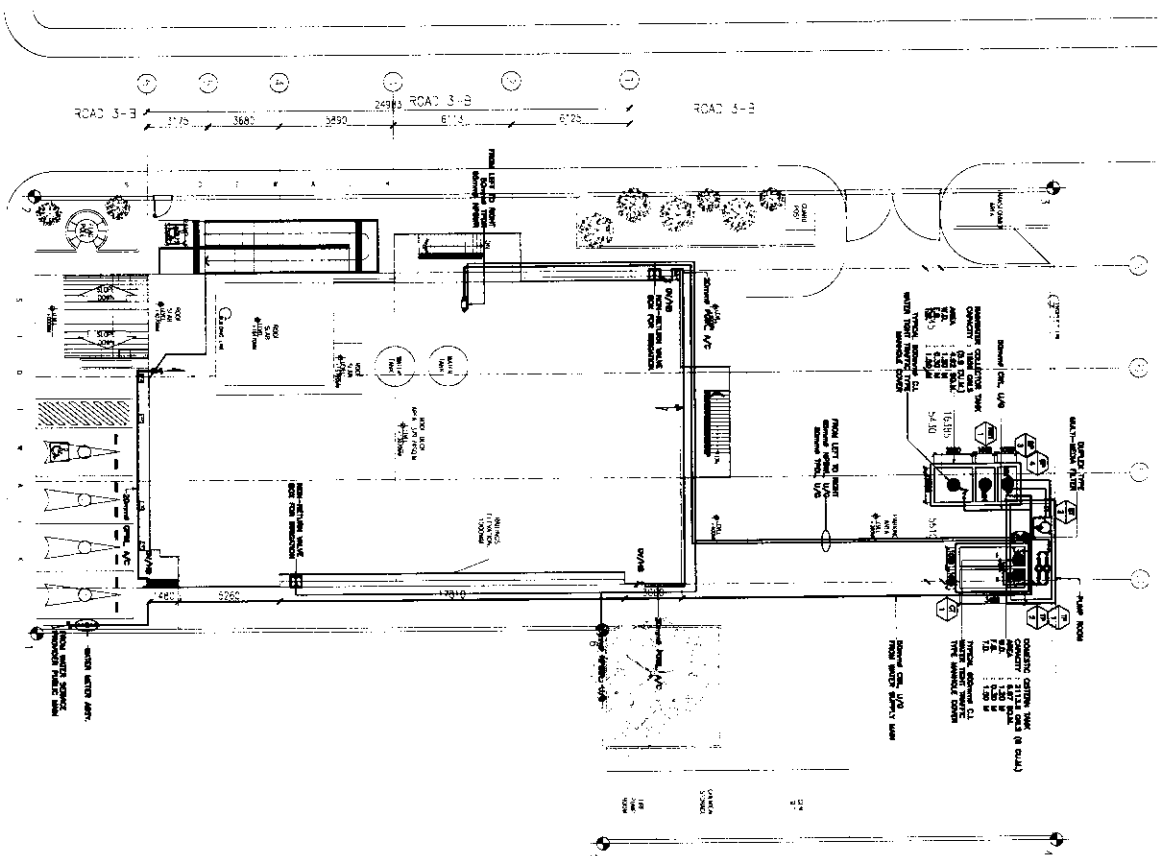


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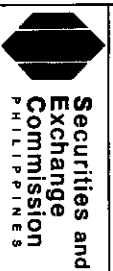


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DESIGNED	DET.					SQUL	
AUT/BEN	AL 2801					PROJECT NO.	
APPROVED	DET.					AS SHOWN	DE-C-24-006
REV.	AL 2801						



1 SITE DEVELOPMENT PLAN WATER DISTRIBUTION LAYOUT
P-005 SCALE 1"=150'

PREPARED BY: SA. SURESH SRI CHECKED BY: SA. SURESH SRI APPROVED BY: SA. SURESH SRI DATE: 24.04.2024		COO: DATE: 24.04.2024 DESIGNED: DATE: 24.04.2024 APPROVED: DATE: 24.04.2024 BY: DATE: 24.04.2024		NO. 20X30 SCALE SCALE AS SHOWN AS SHOWN		SHEET NO. P-005 PROJECT NO. DE-G-24-005	
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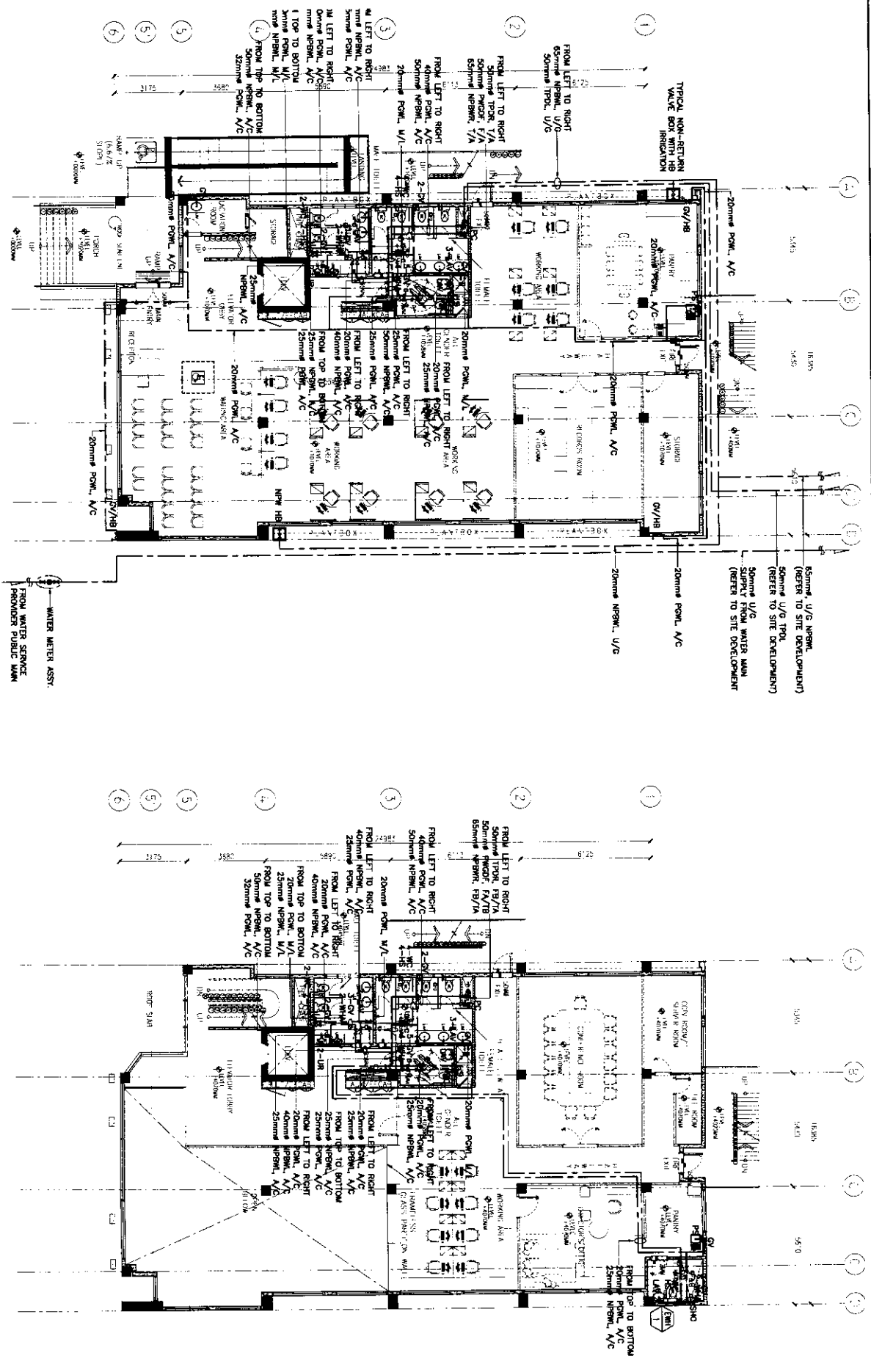


Securities and Exchange Commission
PHILIPPINES

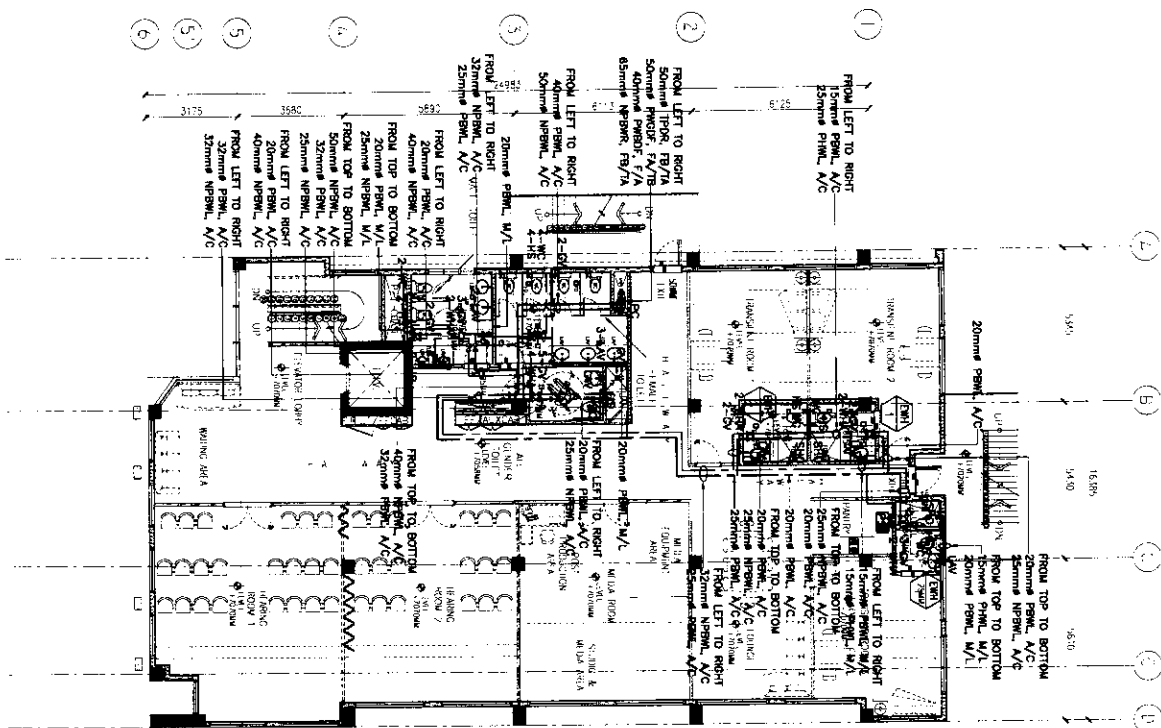
DESIGNED AND SUBMITTED BY		PROJECT TITLE/LOCATION		RECOMMENDED APPROVAL		APPROVED BY		SHEET COMMENTS		AL. 2006 SEC. 33 ALL WORKS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE SEC. 33, RA 8799, AS AMENDED, AND THE SEC. 33, RA 8799, AS AMENDED, AND THE SEC. 33, RA 8799, AS AMENDED.	
SEC. NO. 0001 PROJECT NO. 198-00-798 DATE: JANUARY 03, 2004 PLACE: MANILA CITY		PROPOSED RETROFITTING AND RENOVATION OF THE SEC DAVAO EXTENSION OFFICE UNIVERSITY AVENUE, SAN SEBASTIAN WATERS, DAVAO CITY		VINCENT O. CANARES SEC. DIRECTOR, SEC		JANET PAUL D. FRANCISCO COMMISSIONER		GROUND AND SECOND FLOOR WATER DISTRIBUTION LAYOUT		20X30 SCALE P-006 DE G-24-006	

1 GROUND FLOOR WATER DISTRIBUTION LAYOUT
SCALE 1:1000

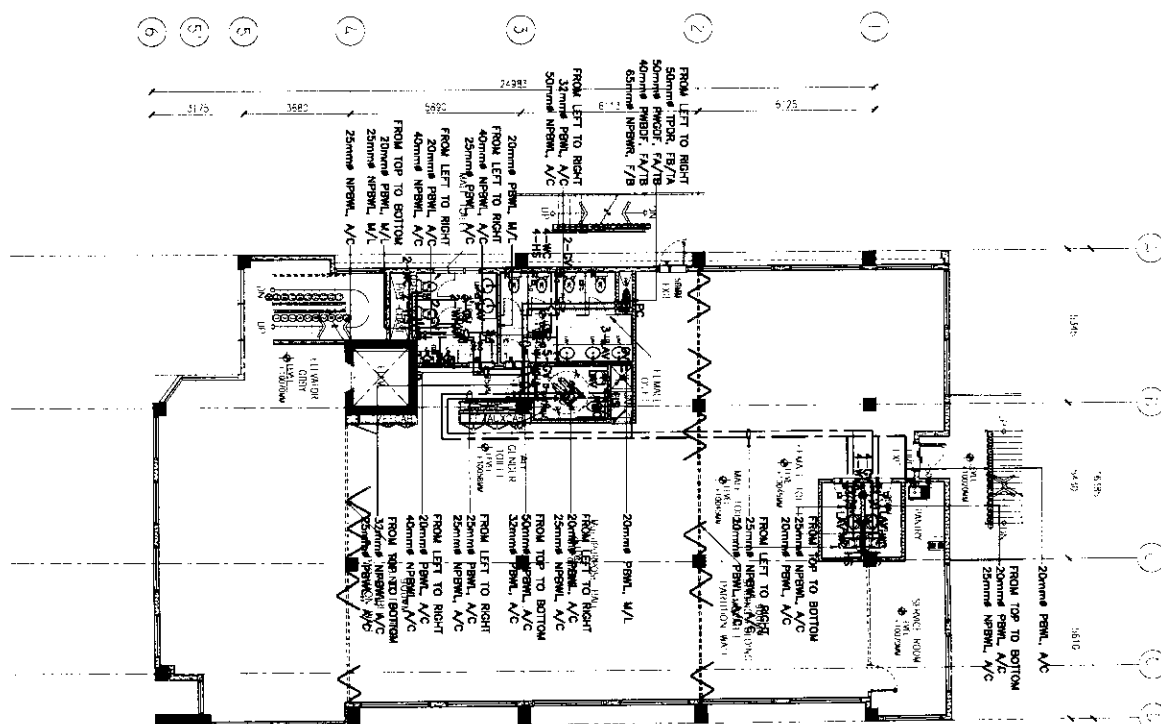
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SCALE 1:1000



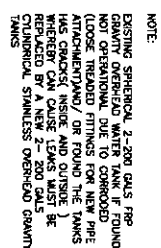
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P-007 SCALE 1:100M



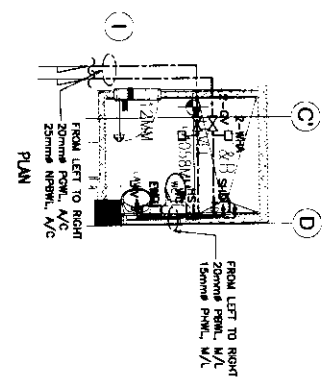
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P-007 SCALE 1:100M



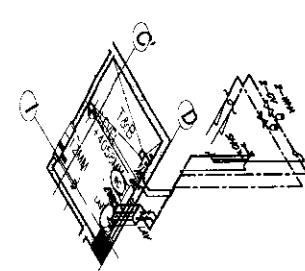
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PLASMA

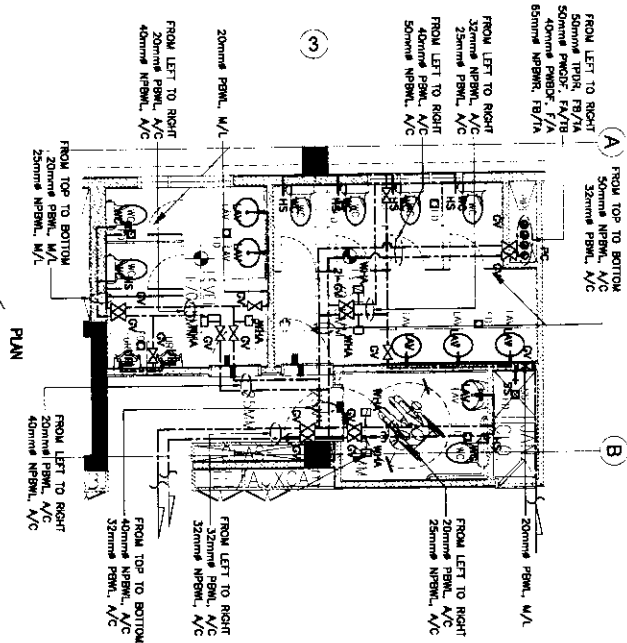


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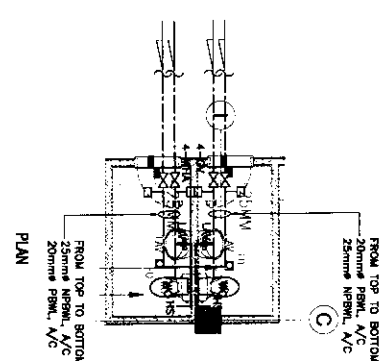
3 SECOND AND THIRD FLOOR (TYP.)
ISOMETRIC BLOW-UP WATER DISTRIBUTION LAYOUT
SCALE 1:50

10

NAME	DATE
ADDRESS	DEPT.
CITY	STATE
ZIP	



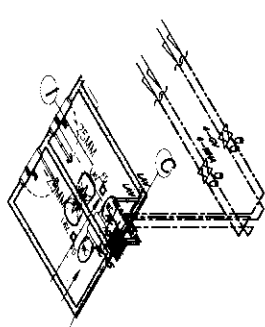
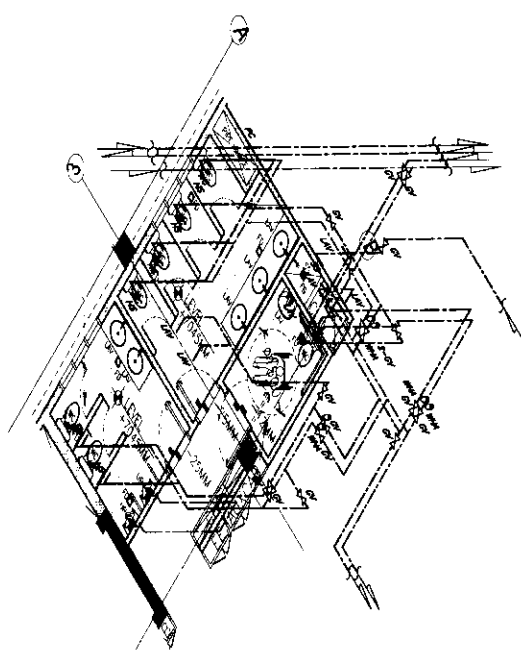
THIRD AND FOURTH FLOOR (TYP.)
ISOMETRIC BLOW-UP WATER DISTRIBUTION LAYOUT
SCALE 1:50
P-011

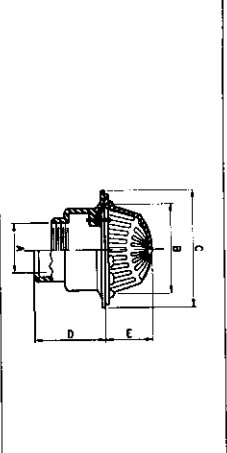
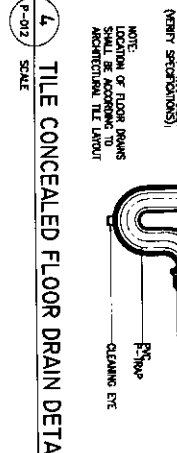
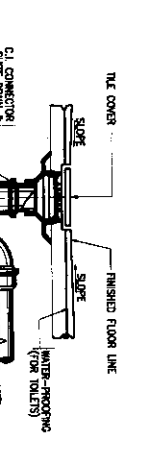
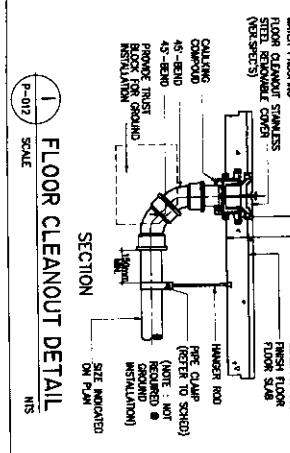
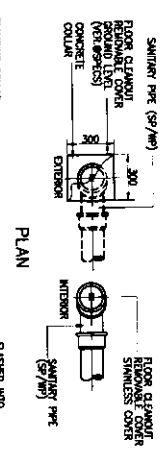


2
P-011

FOURTH FLOOR
ISOMETRIC BLOW-UP WATER DISTRIBUTION LAYOUT

SCALE 1:50

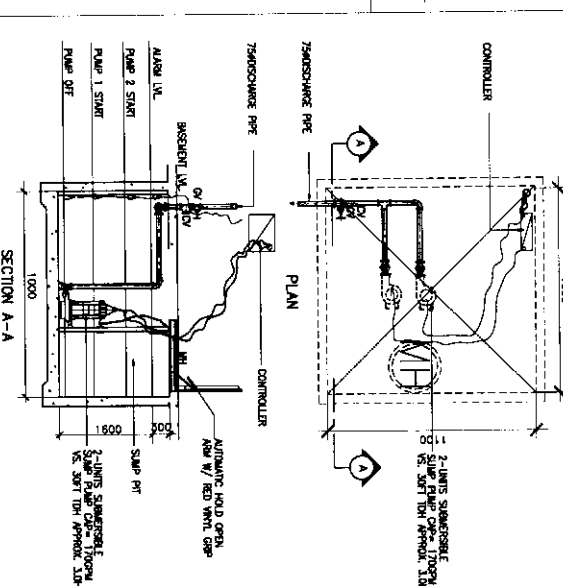
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	8	C	D	E	TEXT	
50	0.203	0.281	0.133	0.085	SIMILAR TO MAIN MODEL W-250-02 OR APPROVED EQUAL	
75	0.203	0.281	0.133	0.085	-10-	
100	0.203	0.281	0.133	0.085	-10-	

6 ROOF DRAIN
SCALE: P-012
NTS

7 ELEVATOR PIT DETAILS
SCALE: P-012
NTS



NOTE:

ALL DIMENSIONS ARE
CONSISTENT ENTIRELY
OF STAINLESS STEEL

5

WATER HAMMER

ARRESTER DETAIL

P-012

SCALE

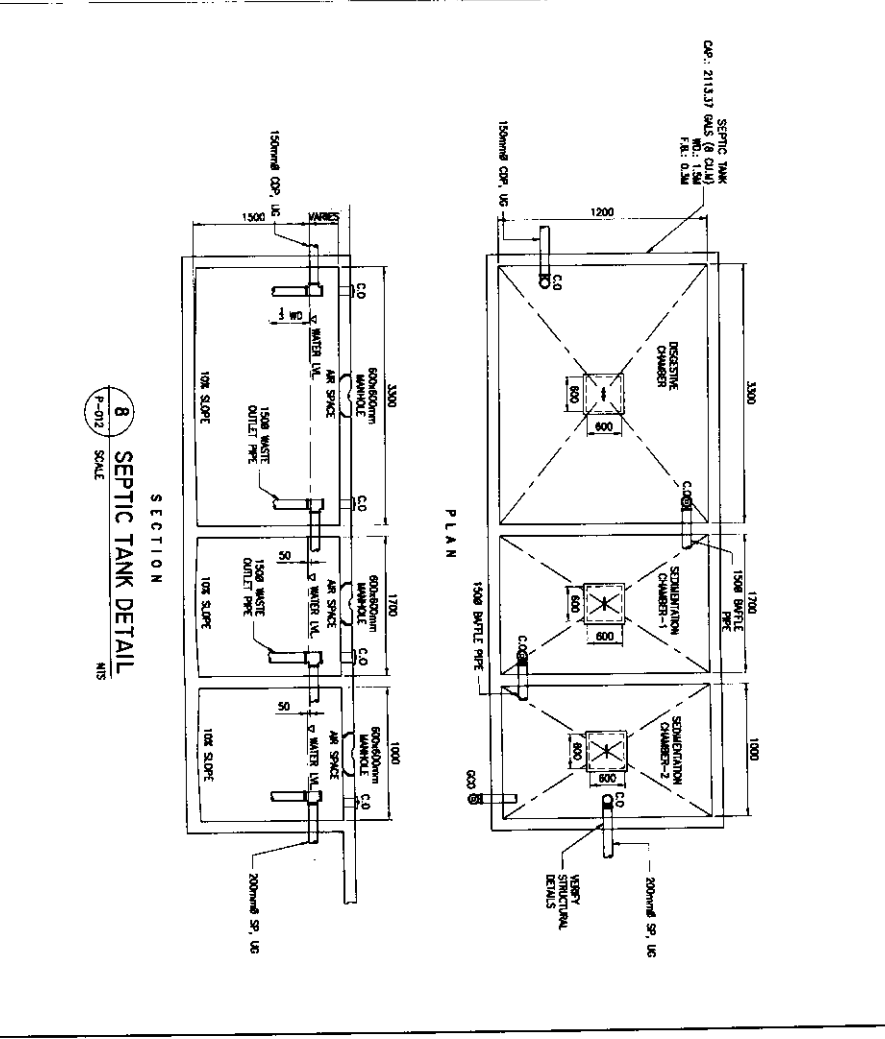
NTS

DIMENSIONS IN mm.

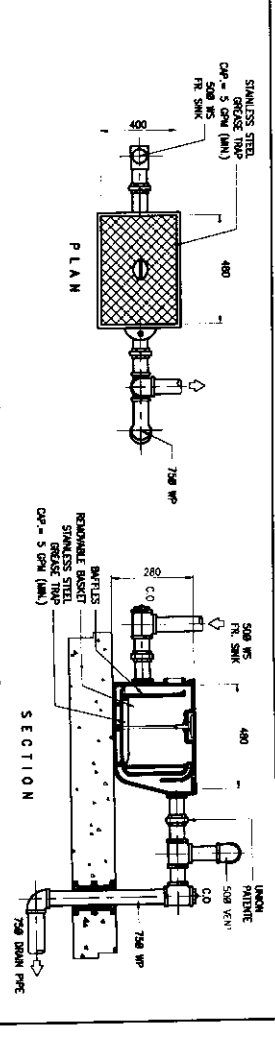
Part No. Spring Rate Rating

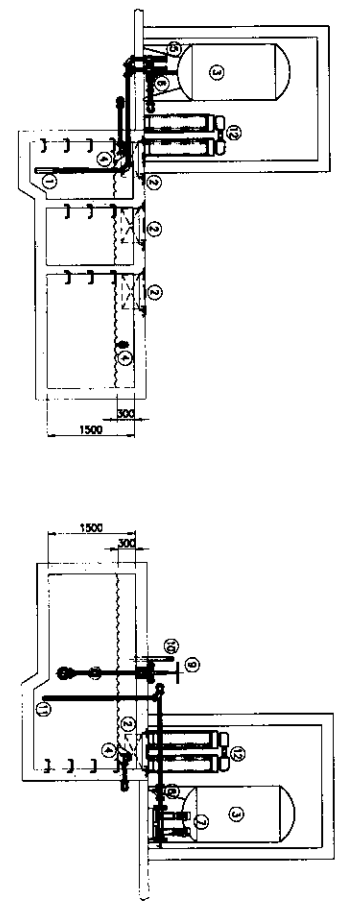
	A	SIZE	B	C
5000	A	1-11	20	100
5010	B	12-32	25	125
5020	C	33-60	25	150
5030	D	61-113	25	175
5040	E	114-154	25	200
5050	F	155-200	25	225

8 SEPTIC TANK DETAIL
SCALE: P-012
NTS



3 GREASE TRAP DETAILS
SCALE: P-012
NTS





RAINWATER COLLECTOR AND DOMESTIC CISTERN TANK DETAIL

LEGEND & SYMBOLS:	
①	STANDARD PUMP
②	MANHOLE
③	BLADES TANK
④	FLAT WALK
⑤	GATE VALVE
⑥	CHECK VALVE
⑦	DUPLEX BOOSTER PUMP
⑧	WYE STRAINER
⑨	EQUALIZING VALVE
⑩	AIR VENT
⑪	ROOF WALK
⑫	DUPLEX BOOSTER PUMP
⑬	RAILROAD FLITER

1A SECTION "A"
P-013 SCALE NTS

IB SECTION "B"
SCALE NTS
P-013

Q420	DATE	NO.	REVISIONS	CHK	DATE	PAPER SIZE	SHEET NO.
Q38	DATE					20X30	P-013
DESIGNED	DATE						
BY/CHK	DATE					SCALE	
PROJECT NO.	DATE						
REV	DATE					AS SHOWN	
	DATE						DE-G-24-006

GENERAL NOTES:

A. GENERAL

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED.
2. ALL DIMENSIONS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS.
3. ALL DIMENSIONS SHALL HAVE PREFERENCE OVER THE SCALE SHOWN ON PLANS, SECTIONS, AND DETAILS.
4. THE CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL SUBMIT WORKING, SHOP DRAWINGS FOR ANY PROVIDED CHANGES TO THE ACTUAL FIELD CONDITIONS WHICH ARE SUBJECT FOR THE APPROVAL OF THE CONSULTANT.
6. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY MEASURES AT THE SITE TO PROTECT LIVES, PROPERTIES, EXISTING STRUCTURES AND ENVIRONMENT.
7. NO STRUCTURE SHALL BE CONSTRUCTED UNTIL ALL PREPARATIONS HAS BEEN APPROVED BY THE CONSULTANT.

B. STANDARDS AND REFERENCES:

1. THE FOLLOWING SHALL GOVERN THE DESIGN, FABRICATION AND CONSTRUCTION OF THE PROJECT:
2. AMERICAN CONCRETE INSTITUTE (ACI PUBLICATIONS):
 - ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
 - ACI 308-10 MANUAL OF STANDARD PRACTICE FOR DETAILS AND FINISHING OF CONCRETE REINFORCEMENT
3. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) PUBLICATION:
 - MANUAL OF STEEL CONSTRUCTION, 13TH EDITION
 - DESIGN GUIDE FOR COMPOSITE DECK (400)
 - DESIGN GUIDE FOR COMPOSITE DECK (400)
4. AMERICAN WELDED INSTITUTE (AWS) PUBLICATION D1.1-2015.
5. AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM):
 - A615-14 STANDARD SPECIFICATION FOR DEFORMED BARS AND WELLS
 - A616-14 STANDARD SPECIFICATION FOR EPOXY RESIN
6. ASSOCIATION OF STRUCTURAL ENGINEERS OF THE PHILIPPINES (ASEP) PUBLICATION:
 - MANUAL OF STRUCTURAL STEEL SHAPES AND SECTIONS, 1987
 - UNIFORM BUILDING CODE (UBC), VOL. 2 1997 EDITION

C. CONCRETE

1. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS PERIOD: $f'_c = 28$ MPa
2. CONCRETE COVER TO REINFORCING BARS SHALL BE 25mm
3. ALL REINFORCING CONCRETE SHALL BE COMPACTED USING VIBRATORS.
4. BEFORE CONCRETE IS PLACED, CHECK WITH ALL THINGS TO ENSURE PROPER PLACEMENT OF ALL REINFORCING, STEELS, CHAIRS, COUPLERS, ETC. RELATIVE TO THE WORK.
5. WHEN CONCRETE IS PLACED TO DIFFERENT SPACES OF CHAIRS, COUPLERS, ETC. RELATIVE TO THE WORK, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE SPECIAL EXPANSION REQUIREMENTS OF ACI 318-14.
6. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF 7 CONSECUTIVE DAYS IMMEDIATELY AFTER FINISHING BY THE USE OF WET BURLAP.

D. REINFORCING STEEL

1. UNLESS OTHERWISE SPECIFIED, ALL REINFORCING BARS SHALL BE DEFORMED BARS WITH A $f_y = 414$ MPa (60000 PSI) FOR #12 AND ABOVE AND $f_y = 275$ MPa (40000 PSI) FOR #10 AND BELOW.
2. ALL REINFORCING BARS SHALL BE CLEANED OF RUST, GREASE OR OTHER MATERIALS WHICH TEND TO IMPAIR BOND.
3. ALL REINFORCING BARS SHALL BE ACCURATELY AND SECURELY PLACED BEFORE POURING CONCRETE IN ANY PART OF THE STRUCTURE.
4. LAPPED SPICES SHALL BE STAGGERED WHERE POSSIBLE.
5. UNLESS INDICATED OTHERWISE, SPACING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH ACI 318-14.

E. CONSTRUCTION JOINTS:

1. CONSTRUCTION JOINTS NOT SHOWN ON PLANS SHALL BE MADE SO AS TO MAINTAIN THE MAXIMUM STRENGTH OF THE STRUCTURE AND SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
2. UNLESS OTHERWISE SPECIFIED, SLAB ON GRADE SHALL HAVE CONTROL JOINTS @ 6000mm MAXIMUM CENTER TO CENTER.

F. CONCRETE MASONRY UNITS (CMU)

1. CMU USED IN THIS PROJECT SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH:
 - 100MM THICK NON-LOAD BEARING CMU, $f'_m = 2.4$ MPa (350 PSI)
 - 150MM THICK NON-LOAD BEARING CMU, $f'_m = 2.4$ MPa (350 PSI)
 - CMU SHALL BE FILLED FULLY WITH GROUT. CONCRETE GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 10.0 MPa (1500 PSI) @ 28 DAYS.
 - UNLESS INDICATED OTHERWISE, CMU REINFORCEMENT SHALL BE 100MM HOB BARS @ 800.
 - ALL WALLS SHALL BE CONSTRUCTED IN CONVENTIONAL RUNNING BOND UNLESS NOTED OTHERWISE.
 - GROUT MASONRY IN 2.4M MAXIMUM LITS. REINFORCING SHALL BE STAGGERED AMONGST DISPLACEMENT PRIOR TO GROUTING BY WIRE REINFORCING AT INTERVALS NOT EXCEEDING 200 HOB DIMENSIONS MAX. 2M.
 - IF WORK IS STOPPED ONE (1) HOUR OR LONGER, PROVIDE HORIZONTAL CONSTRUCTION JOINT BY STOPPING THE GROUT SLAB BELOW THE TOP OF THE BLOCK.

BAR DIA. (mm)	FT (mm)	FT (mm)	FT (mm)	FT (mm)	FT (mm)	FT (mm)
10	275	40	300	300	300	300
12	414	60	325	400	400	350

LAP SPICE & ANCHORAGE LENGTH TABLE

BAR DIA. (mm)	ANCHORAGE LENGTH (mm)	STANDARD HOOK (mm)	WELD TYPE	ANCHORAGE LENGTH (mm)
10	0.50	0.15	1.5S	0.10
12	0.50	0.20	0.15	0.12

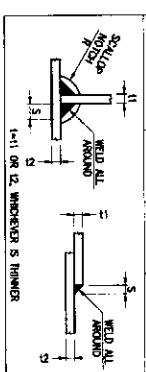


NOTES:

1. ACI SECTION 12.4 STATES THAT DEVELOPMENT LENGTH OF REINFORCING BARS WITH A BOND IN TENSION OR COMPRESSION SHALL BE BASED ON THE MINIMUM BAR, MODIFIED FOR THE TYPE OF BOND, AND THE TYPE OF COUPLING. AT ANY LEVEL, NO MORE THAN ALTERNATE BARS SHOULD BE SPACED NOT MORE THAN 1/4 OF THE BAR SPACING. THE REQUIRED LAP LENGTH, MINIMUM DISTANCE BETWEEN TWO ADJACENT BAR SPICES SHALL BE 600MM.
2. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 300MM DEPTH OF CONCRETE CAST BELOW THE BARS.
3. AS MUCH AS POSSIBLE, SPICES SUBJECTED TO TENSILE STRESSES ARE DISJOINED. THESE SHOULD BE AWAY OR PROVIDED WITH STANDARD HOOKS.

FILLET WELD TABLE

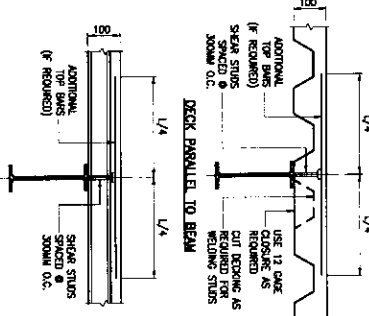
PLATE THICKNESS (mm)	WELD SIZE, S (mm)	SCALE UP NOTCH (mm)
LESS THAN 6	5	1
6 TO 12	6	1
12 TO 15	6	1
15 TO 18	6	1
18 OR OVER	12	1



NOTE:

UNLESS OTHERWISE SPECIFIED, SIZE OF FILLET WELDS SHALL BE PROVIDED AS SHOWN ABOVE. THE WELD SIZE SHALL NOT EXCEED THE THICKNESS OF THE THINNER MATERIAL BEING JOINED.

2. TYPICAL METAL DECK DETAILS

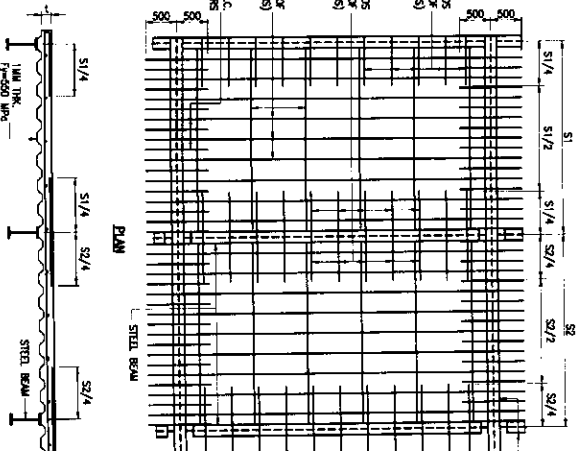


NOTE:

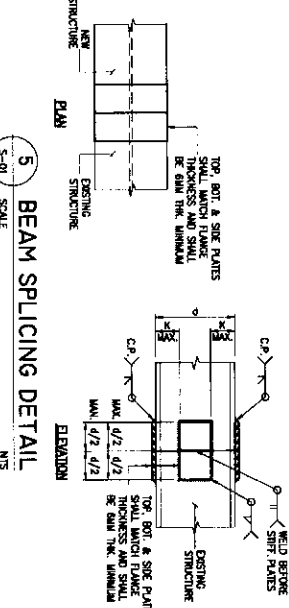
1. LOCATE ALL ADDED REINFORCING AT 25MM CLEAR FROM TOP OF CONCRETE.
2. ADDED REINFORCING AT METAL DECK DECK THICKNESS PREFERENCE OVER ANY OTHER REINFORCING AND IS LOCATED AT THE OUTERMOST LAYER.

SLAB MARK	THICKNESS (mm)	LOCATION	BAR	SPACING	LONG SPAN	REMARKS
RS-1	100	TOP	#12	150	END	ONE-WAY
RS-2	100	TOP	#12	125	END	ONE-WAY

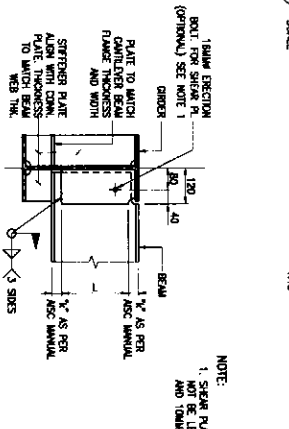
3. STEEL DECK ON STEEL BEAM DETAIL



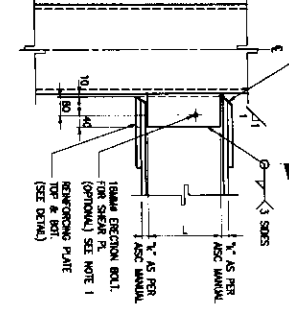
5. BEAM SPICING DETAIL



6. BEAM TO BEAM (NON-MOMENT CONNECTION)



7. BEAM TO COLUMN FLANGE (EXTERIOR)



SECURITIES AND EXCHANGE COMMISSION
ALDEN C. ONG, ALDEN C. ONG
DATE: JANUARY 20, 2024
PROJECT: JAMART CITY

PROPOSED RETROFITTING AND RENOVATION OF THE SEC DAVAO EXTENSION OFFICE
UNIVERSITY AVENUE, JAMART CITY

RECOMMENDING APPROVAL: JAMES P. G. CALABRERA
APPROVED BY: JAMES P. G. CALABRERA
COMMISSIONER

GENERAL NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED.
2. ALL DIMENSIONS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS.
3. ALL DIMENSIONS SHALL HAVE PREFERENCE OVER THE SCALE SHOWN ON PLANS, SECTIONS, AND DETAILS.

DATE: JANUARY 20, 2024
PROJECT: JAMART CITY
SHEET NO. 20X30
S-01
DE-G-24-006



Securities and
Exchange
Commission
PHILIPPINES

DRAWN AND SANITIZED BY
ALDEN C. ONG, AIA, RUP, ACP
SEC-ITC

SEC. NO. 8883
IN NO. 108-890-796
PROJ. NO. 1007/986
DATE: JANUARY 08, 2024
PLACE: MANILA CITY

PROJECT TITLE/LOCATION
PROPOSED RETROFITTING AND
RENOVATION OF THE SEC DAVAO
EXTENSION OFFICE

RECOMMENDING APPROVAL
VINCENT G. CALIGUES
SEC. DIRECTOR, SEC

APPROVED BY
JAMES PAUL D. FRANCISCO
COMMISSIONER

SHEET CONTENTS
SECOND FLOOR FRAMING PLAN
THIRD FLOOR FRAMING PLAN
SHOWING BEAM FOR
RENOVATION, BEAM & SLAB

REVISIONS
NO. DATE BY
1 10/24/23 ALD

DATE: 10/24/23
BY: ALD

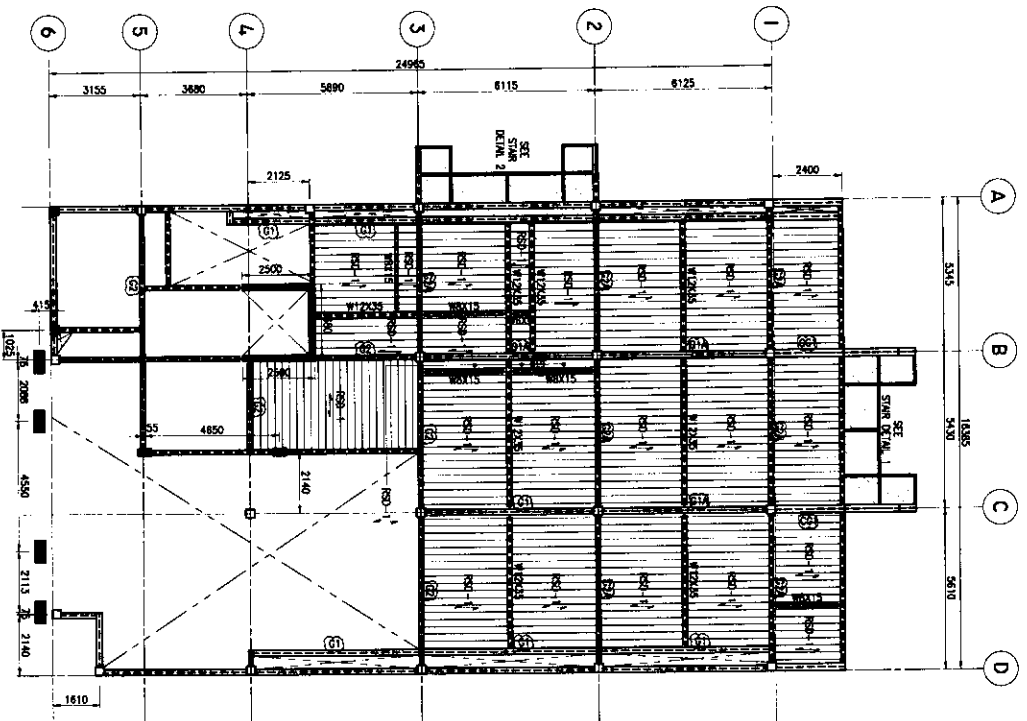
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BY: ALD

DATE: 10/24/23
BY: ALD

SECOND FLOOR FRAMING PLAN
SHOWING BEAM FOR RETROFITTING &
ADDITIONAL BEAM & SLAB

1
5-02
SCALE

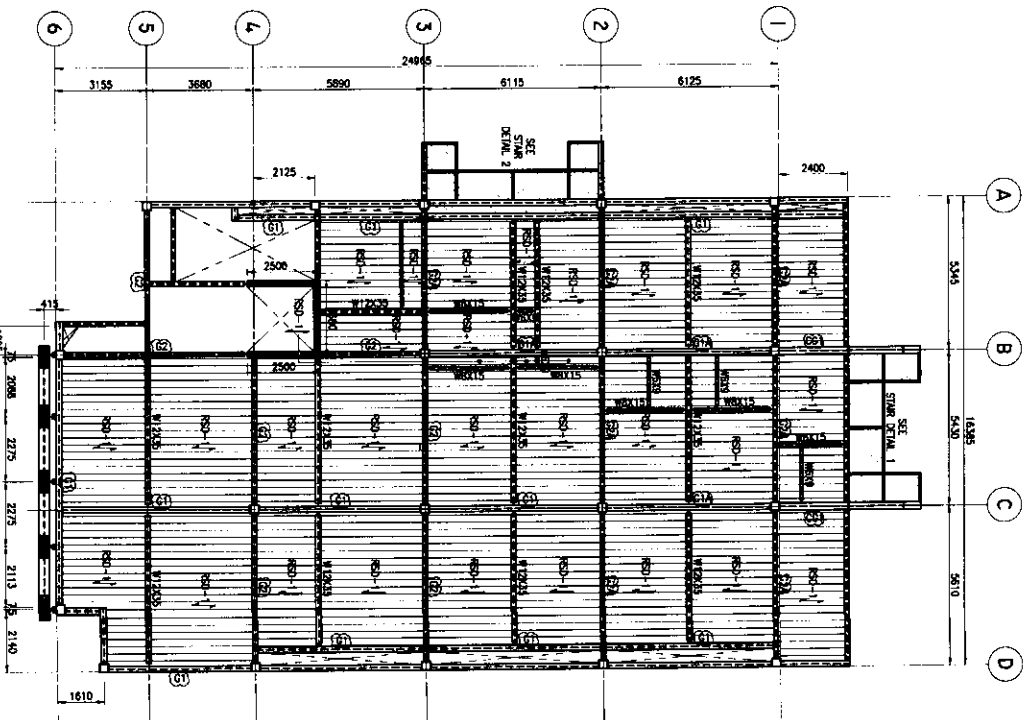
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THIRD FLOOR FRAMING PLAN
SHOWING BEAM FOR RETROFITTING &
ADDITIONAL BEAM & SLAB

2
5-02
SCALE

1:1000



NOTE:
FOR ADDITIONAL STEEL BEAM PROPOSED
TO MATCH EXISTING BEAM THICKNESS.

LEGEND:
[Symbol] STEEL BEAM FOR RETROFITTING
[Symbol] MOMENT CONNECTED
[Symbol] NON-MOMENT CONNECTED

ORDERED AND SUBMITTED BY
ALDEN C. ONG, MGR., ASD
SEC-INT.
DATE: JANUARY 05, 2004
PLACE: MANILA CITY

PROJECT TITLE/LOCATION
PROPOSED RETROFITTING AND RENOVATION OF THE SEC DAYAO EXTENSION OFFICE
UNIVERSITY MICROFILMS INTERNATIONAL, DAYAO CITY

RECOMMENDING APPROVAL
VINCENT G. CALARES
SEC. PROJECTING ASD

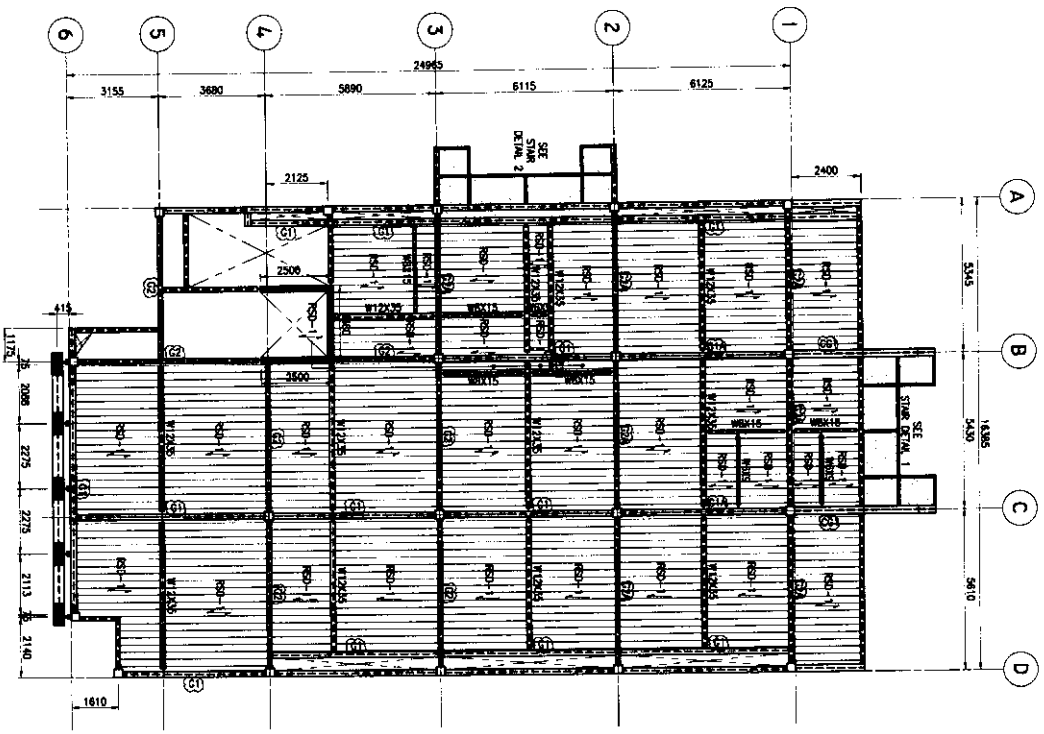
APPROVED BY
JANET PAUL D. FRANCISCO
COMMISSIONER

SHEET CONTENTS
FOURTH FLOOR FRAMING PLAN
ROOF DECK FRAMING PLAN
SHOWING BEAM FOR RETROFITTING & ADDITIONAL BEAM & SLAB

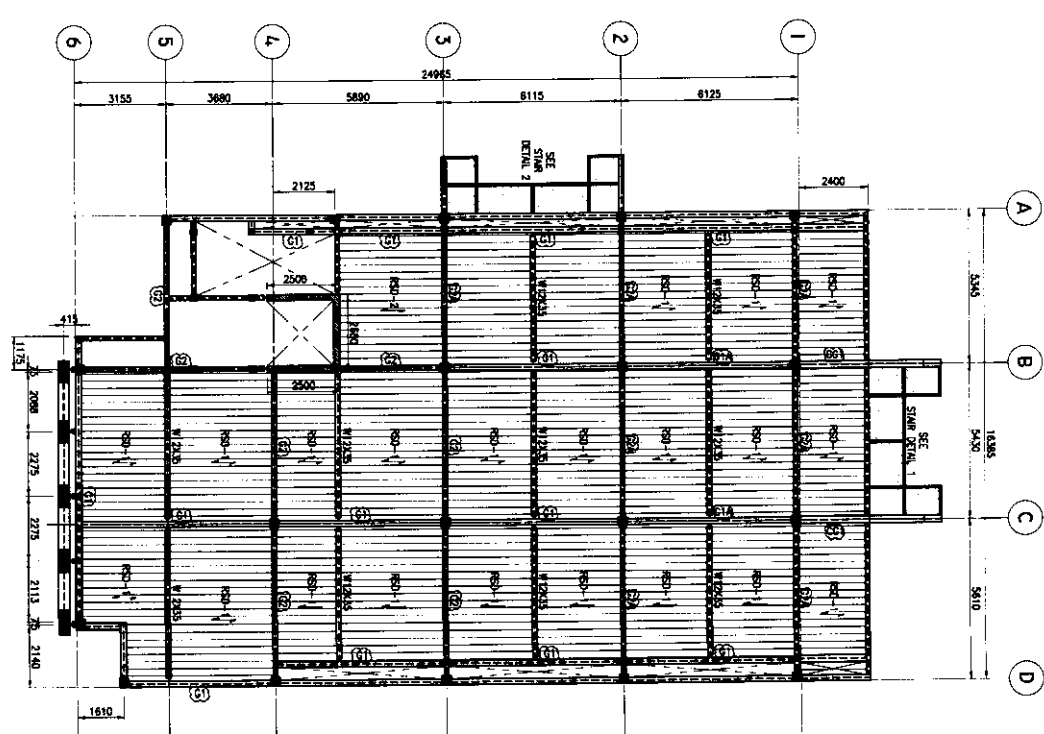
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4	01/05/04	ISSUED FOR PERMITTING
5	01/05/04	ISSUED FOR PERMITTING
6	01/05/04	ISSUED FOR PERMITTING

NO.	DATE	REVISIONS
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5	01/05/04	ISSUED FOR PERMITTING
6	01/05/04	ISSUED FOR PERMITTING

1
FOURTH FLOOR FRAMING PLAN
SHOWING BEAM FOR RETROFITTING & ADDITIONAL BEAM & SLAB
SCALE: 1:1000



2
ROOF DECK FRAMING PLAN
SHOWING BEAM FOR RETROFITTING & ADDITIONAL BEAM & SLAB
SCALE: 1:1000

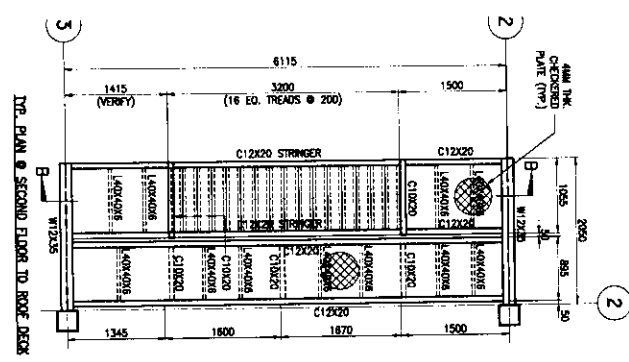
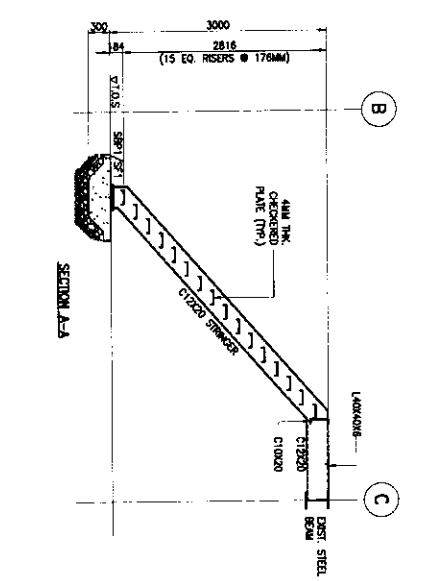
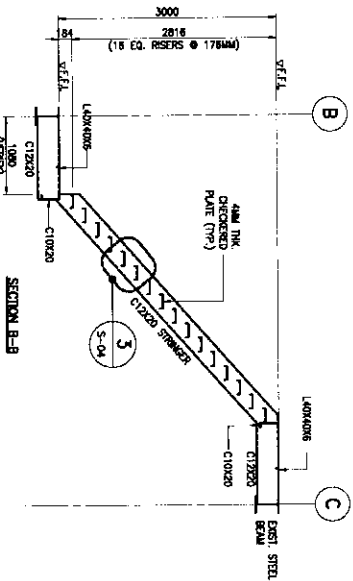
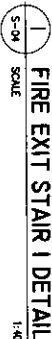
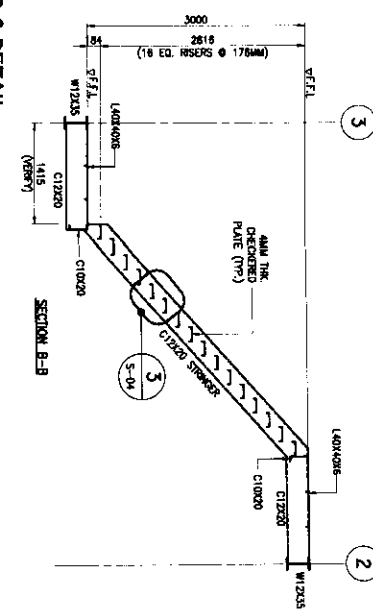
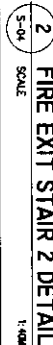


LEGEND:
[Symbol] - STEEL BEAM FOR RETROFITTING
[Symbol] - MOMENT CONNECTED
[Symbol] - NON-MOMENT CONNECTED

NOTE:
FOR ADDITIONAL STEEL BEAM PROPOSED STRUCTURE PLATE AT EVERY JOINT TO MATCH PLATE THICKNESS

AS SHOWN

DE-03-008





Securities and Exchange Commission
PHILIPPINES

CHECKED AND SUBMITTED BY SEC. NO. 0001 SEC. NO. 100-000-700 SEC. NO. 100-000-700 DATE: JANUARY 05, 2004 PLACE: MANILA CITY		PROJECT TITLE/LOCATION PROPOSED RETROFITTING AND RENOVATION OF THE SEC DAVAO EXTENSION OFFICE UNIVERSITY AVENUE, JAMA SALVADOR WALK, DAVAO CITY		ECONOMIC APPROVAL VINCENT G. CANARES SEC. DIRECTOR, SEC		APPROVED BY JAMES PAUL D. FRANCISCO COMMISSIONER		SHEET CONTENTS SECTION 1: TYP. OPENING REIN. DETAIL SECTION 2: RAINWATER TANK DETAILS SECTION 3: FIREWATER TANK DETAILS SECTION 4: CISTERN TANK DETAILS SECTION 5: TYP. OPENING REIN. DETAIL SECTION 6: MANHOLE DETAILS		E.A. CODE SEC. 31 SECTION 1: TYP. OPENING REIN. DETAIL SECTION 2: RAINWATER TANK DETAILS SECTION 3: FIREWATER TANK DETAILS SECTION 4: CISTERN TANK DETAILS SECTION 5: TYP. OPENING REIN. DETAIL SECTION 6: MANHOLE DETAILS		CADD DESIGNED: JAL 2004 DRAWN: JAL 2004 CHECKED: JAL 2004 APPROVED: JAL 2004 DATE: JAL 2004 SCALE: AS SHOWN		SHEET NO. 20X30 S-05 PROJECT NO. DE-G-24-008	
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