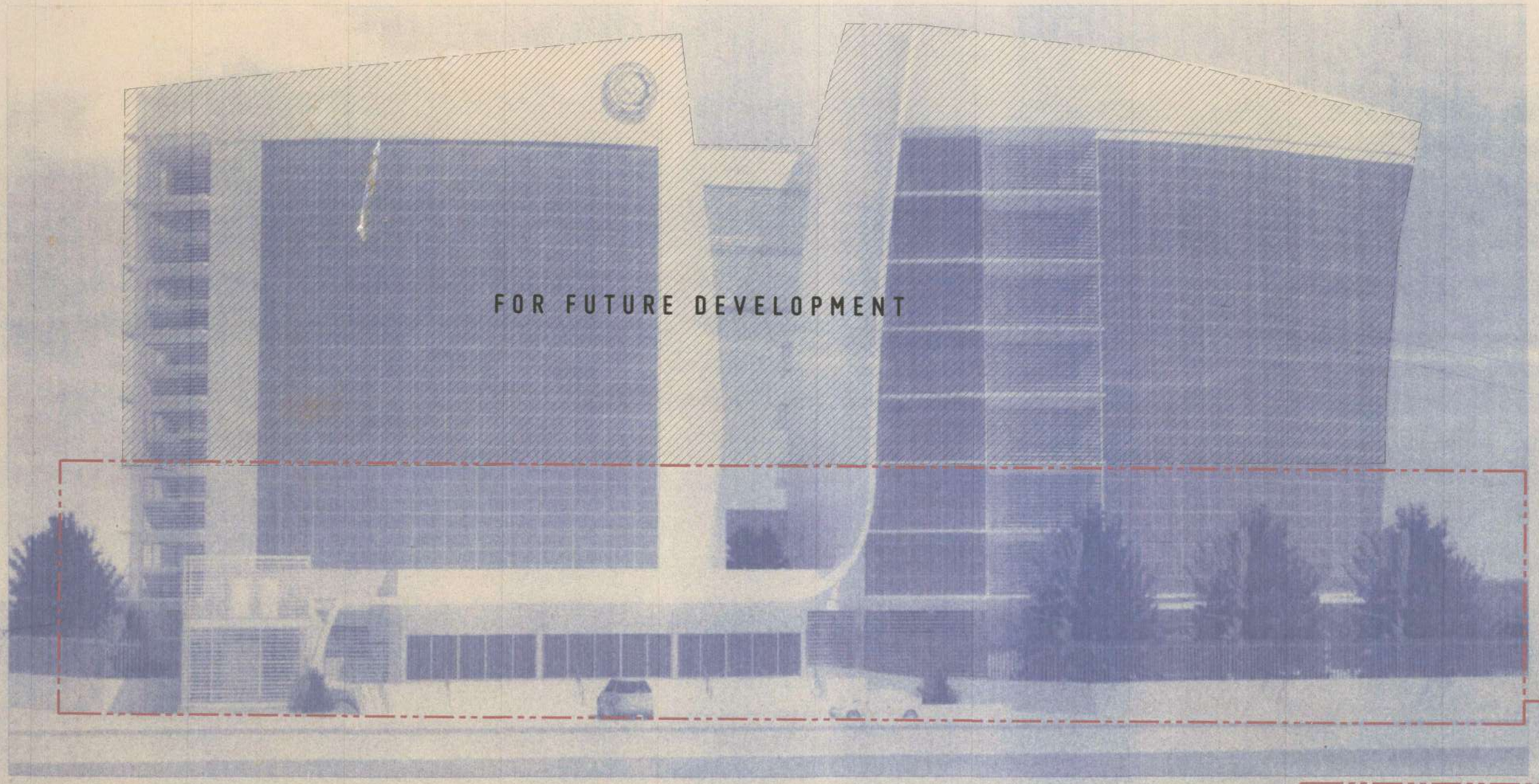


PERSPECTIVE

COVERAGE OF THE CONTRACT

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

OFFICE OF THE BUILDING OFFICIAL
CAGAYAN DE ORO CITY

LAND USE AND ZONING

LINE AND GRADE

ARCHITECTURAL

STRUCTURAL

ELECTRICAL

SANITARY / PLUMBING

MECHANICAL

ASSESSOR'S OFFICE

FIRE DEPARTMENT

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

C.M. Recto Avenue, Lapasan 9000 Cagayan de Oro City
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Web Site : www.mpsc.pcm.edu

PREPARED BY:

DR. REY O. GALUA, PIA
ARCHITECT

PRC NO. : 14128 | PTR NO. : 2709681
TIN NO. : 192 153 491 | DATE ISSUED 01-05-15

PROJECT: PROPOSED STUDENT CENTER & EDUCATION COMPLEX

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER: MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL:

ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

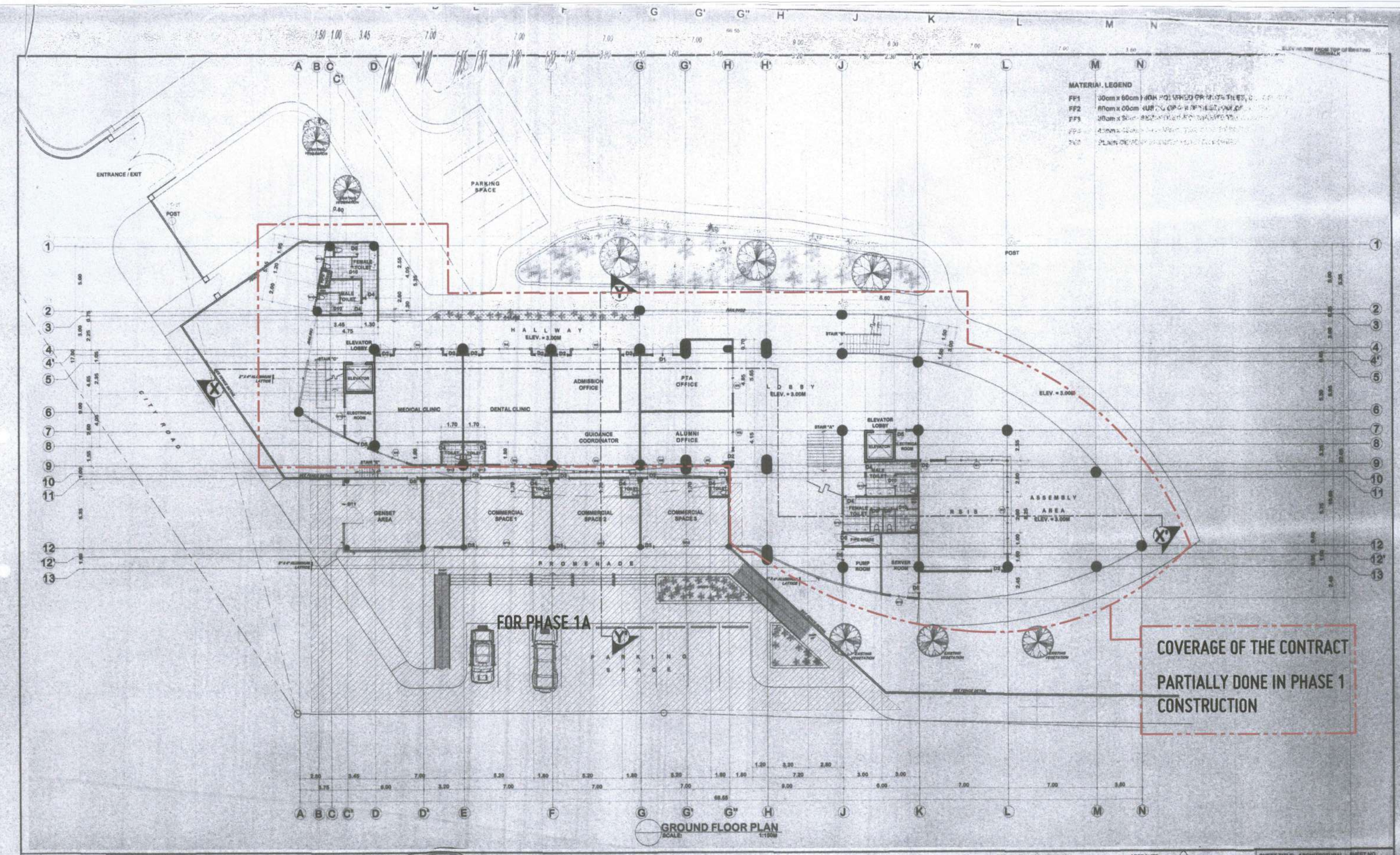
APPROVED:

DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS:

SHEET NO.
A1
A48

1
198



GROUND FLOOR PLAN
SCALE: 1:150M

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

C.M. Recto Avenue, Lapasan 9000 Cagayan de Oro City
Tel. Nos. (08822) 72-00-55 / (088) 856-1738 / 856-1739 Tele Fax (088) 856-4096
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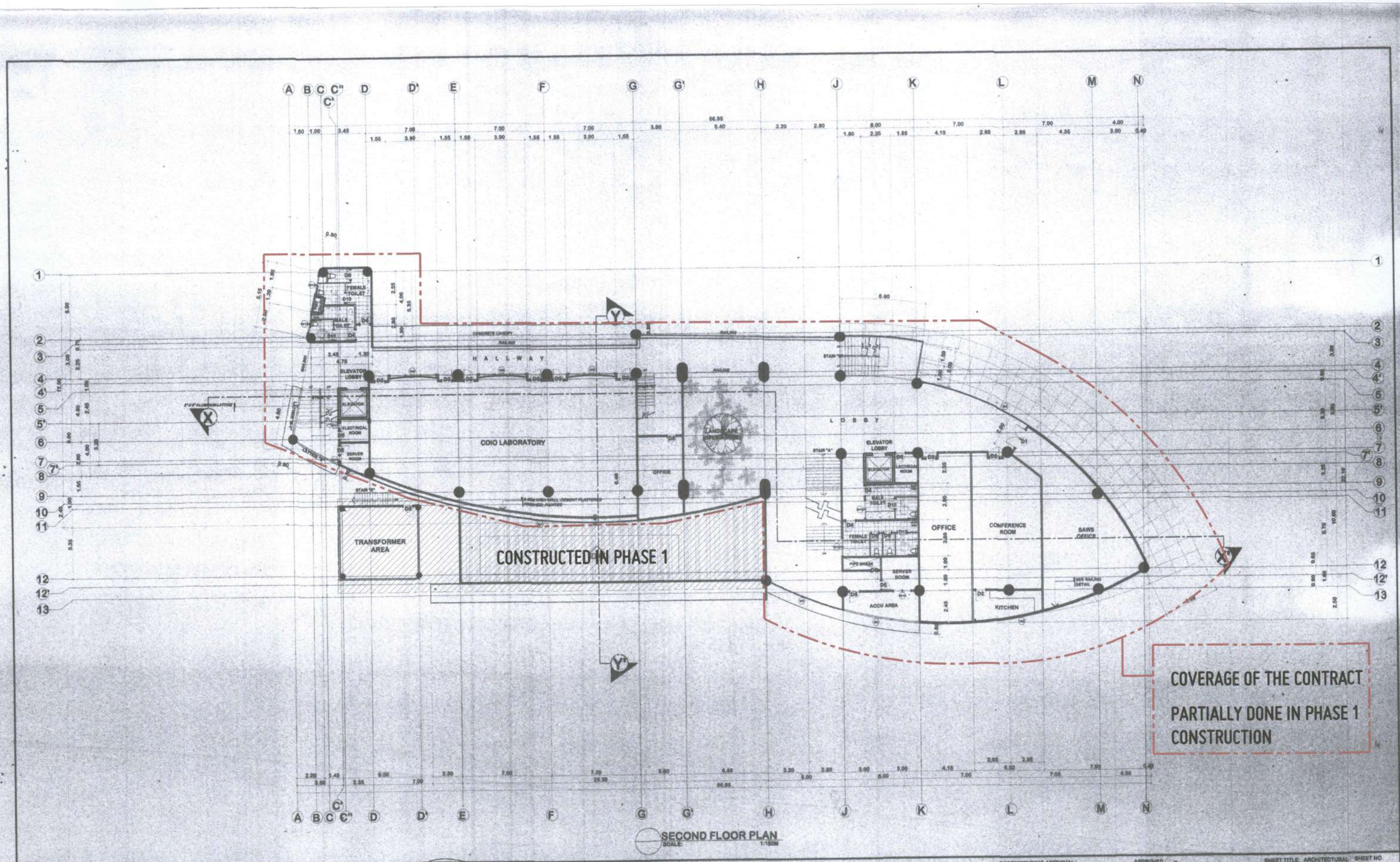
PREPARED BY:
DR. REY D. GALUA, PIA
ARCHITECT
PRC NO. : 14128 PTR NO. : 2709981
TIN NO. : 192 155 491 DATE ISSUED: 01-05-15

PROJECT: PROPOSED STUDENT CENTER & EDUCATION COMPLEX
LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER: MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL:
ATTY. JONATHAN S. OCHE
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APPROVED:
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS:
SHEET NO. A2
A-18
11
198



REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

C.M. Recto Avenue, Lapasan 9000 Cagayan de Oro City
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PRC NO. : 14128 | PTR NO. : 2709081
TIN NO. : 192 158 481 | DATE ISSUED: 01-05-15

PROJECT : **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL:

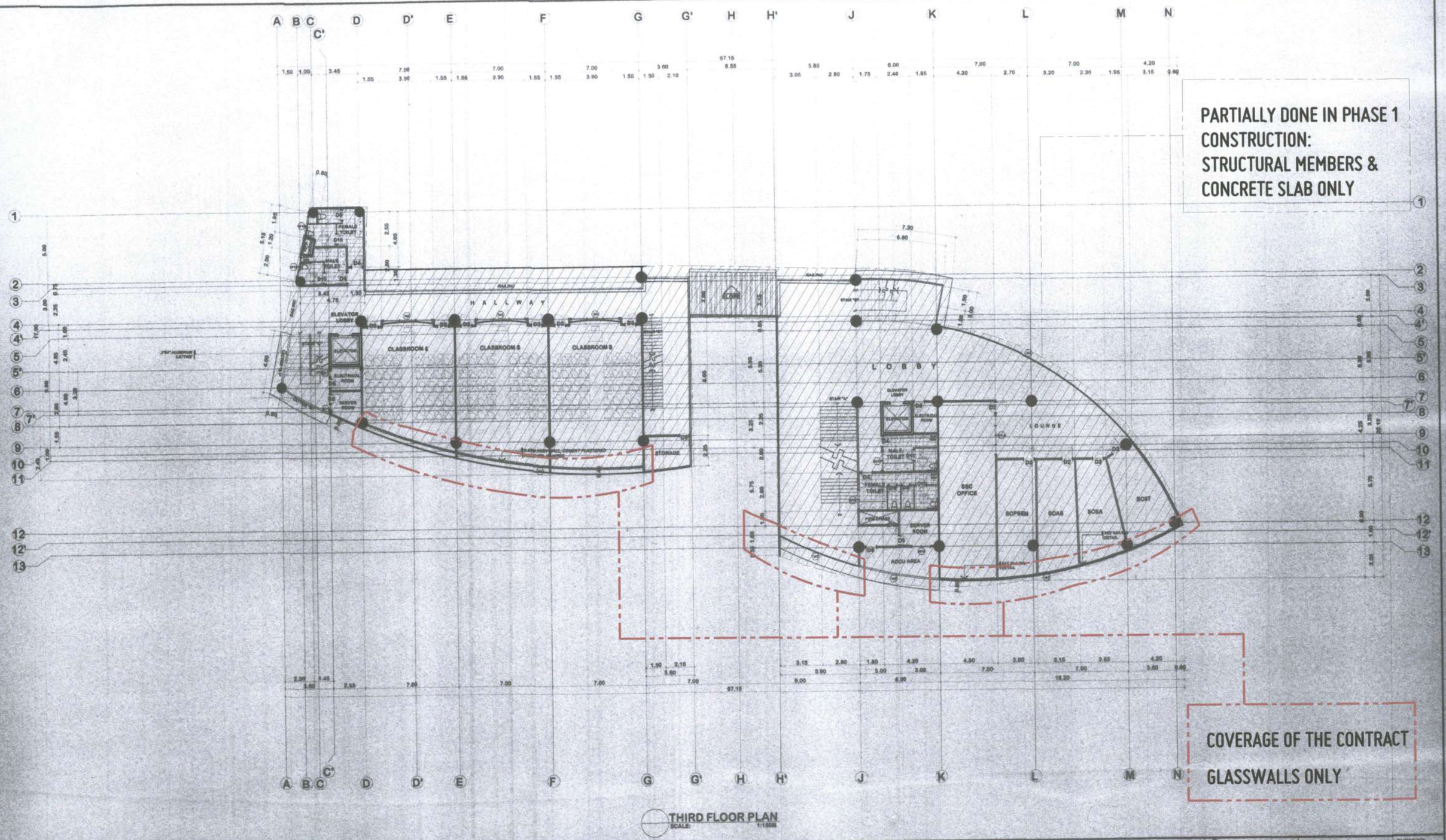
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED:

DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL | SHEET NO.
SHEET CONTENTS : A3 A48

12
198



THIRD FLOOR PLAN
SCALE: 1:100m

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

C.M. Recto Avenue, Lapasan 9000 Cagayan de Oro City
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PRC NO. : 14128 PTR NO. : 2709861
TIN NO. : 192 165 491 DATE ISSUED:01-05-15

PROJECT: PROPOSED STUDENT CENTER & EDUCATION COMPLEX
LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER: MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

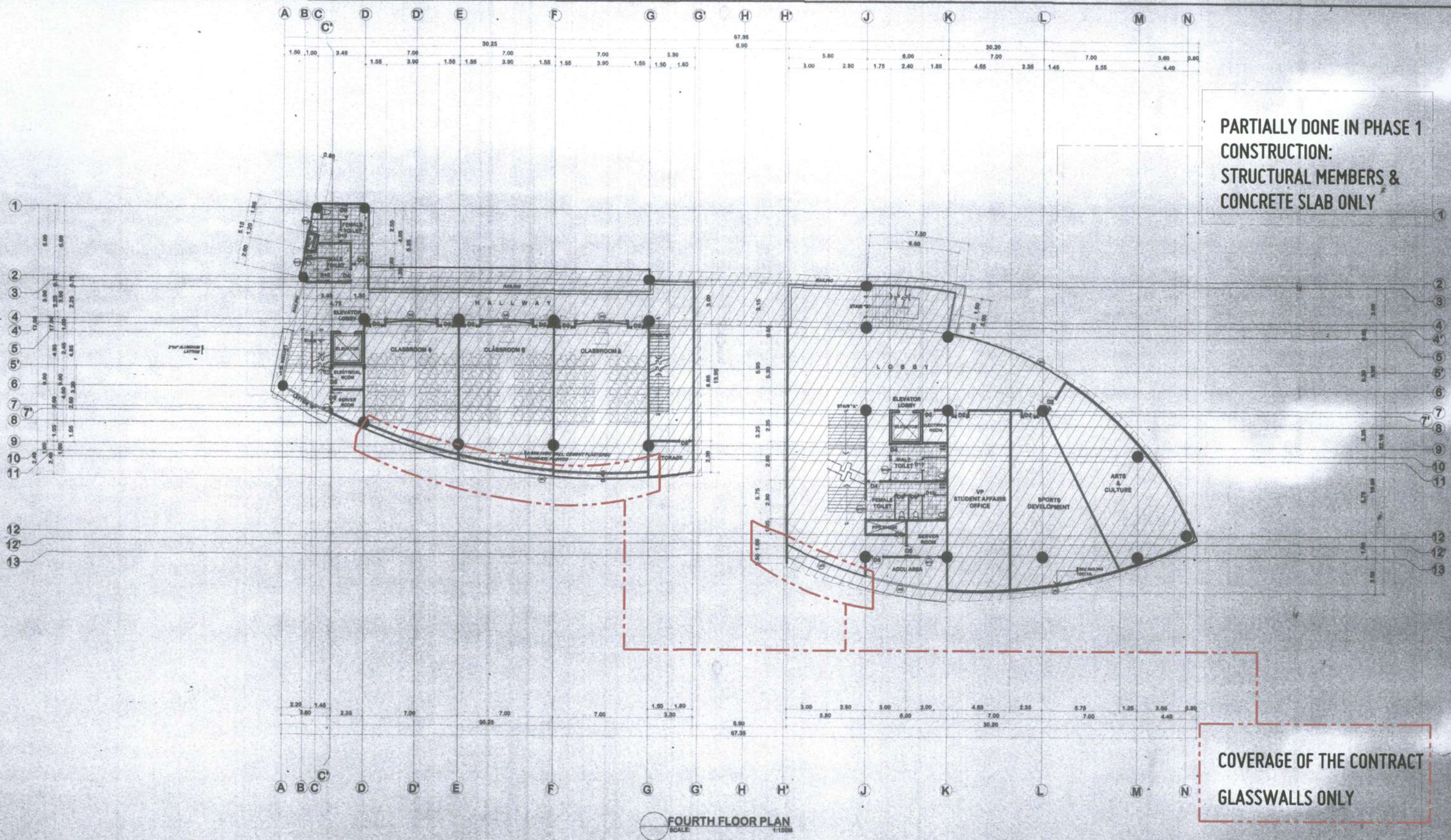
RECOMMENDING APPROVAL:
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED:
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS:

SHEET NO.
A1
A18

12
198



FOURTH FLOOR PLAN
SCALE: 1:150

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

C.M. Recto Avenue, Lapasan 9000 Cagayan de Oro City
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PRC NO. : 14125 | PTR NO. : 2709981 | LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
TIN NO. : 192 165 491 | DATE ISSUED: 01-05-15 | OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

PROJECT : **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

RECOMMENDING APPROVAL :

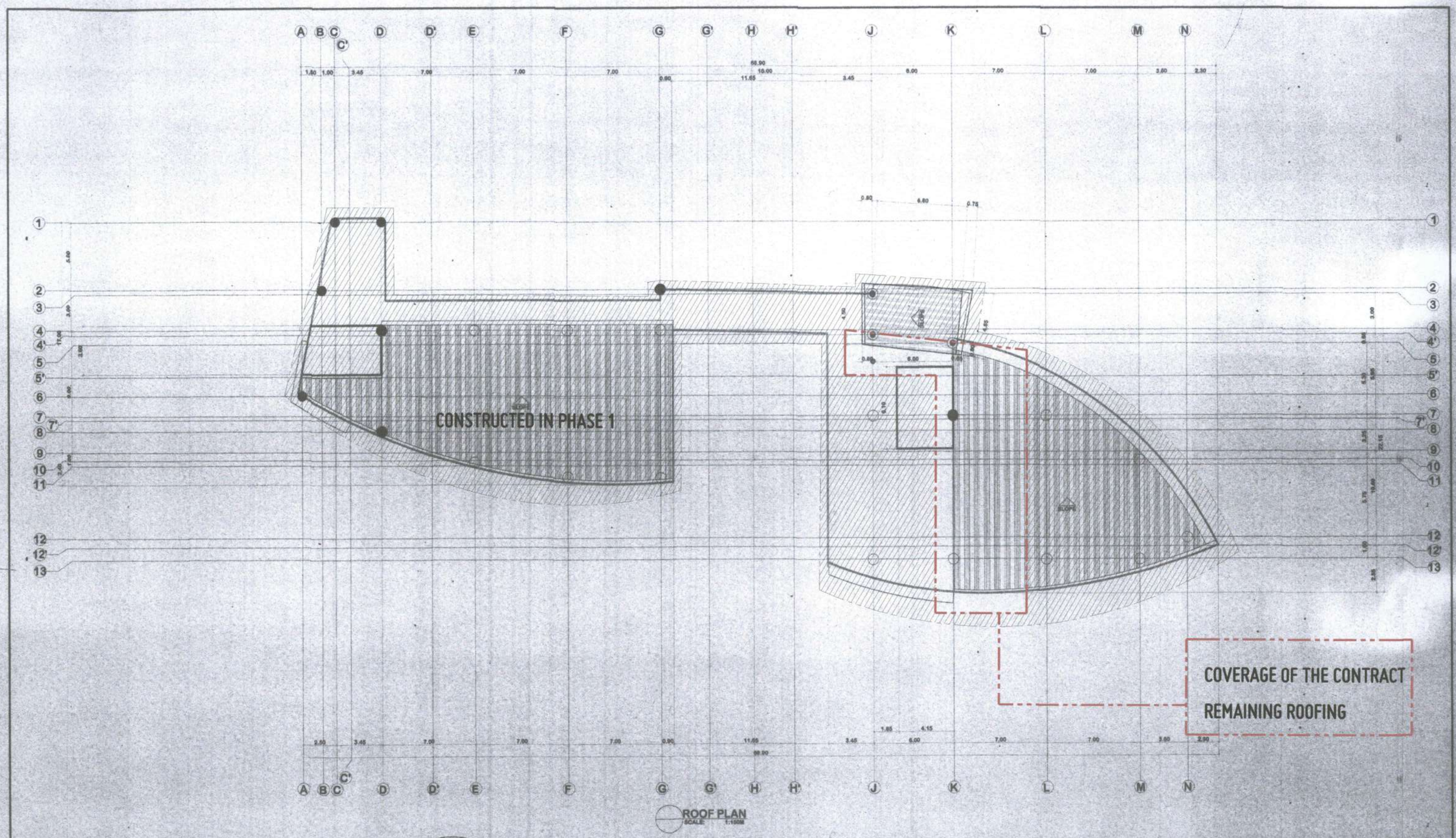
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED :

DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL | SHEET NO. A5
SHEET CONTENTS : A4B

14
198



ROOF PLAN
SCALE 1:150M

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

C.M. Recto Avenue, Lapasan 9000 Cagayan de Oro City
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PRC NO. : 14128 PTR NO. : 2709981
TIN NO. : 192 186 491 DATE ISSUED:01-05-15

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**
LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

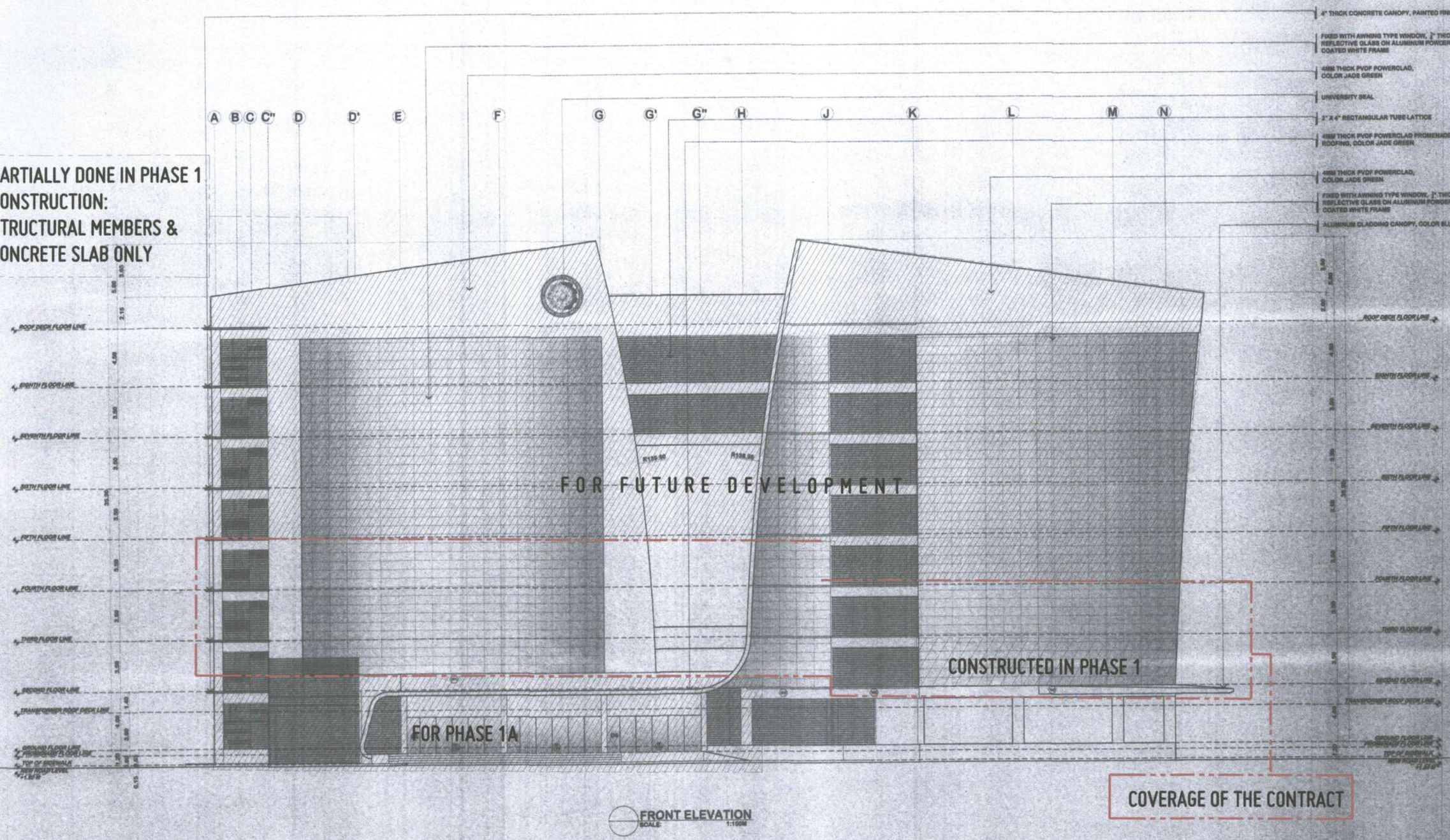
RECOMMENDING APPROVAL :
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED :
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS :

SHEET NO.
A11
A18

PARTIALLY DONE IN PHASE 1
CONSTRUCTION:
STRUCTURAL MEMBERS &
CONCRETE SLAB ONLY



FRONT ELEVATION
SCALE: 1:150M

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

C.M. Recto Avenue, Lapasan 9000 Cagayan de Oro City
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Web Site : www.must.edu.ph

PREPARED BY:
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ARCHITECT
PRC NO. : 14128 PTR NO. : 2709981
TIN NO. : 192 195 491 DATE ISSUED:01-05-15

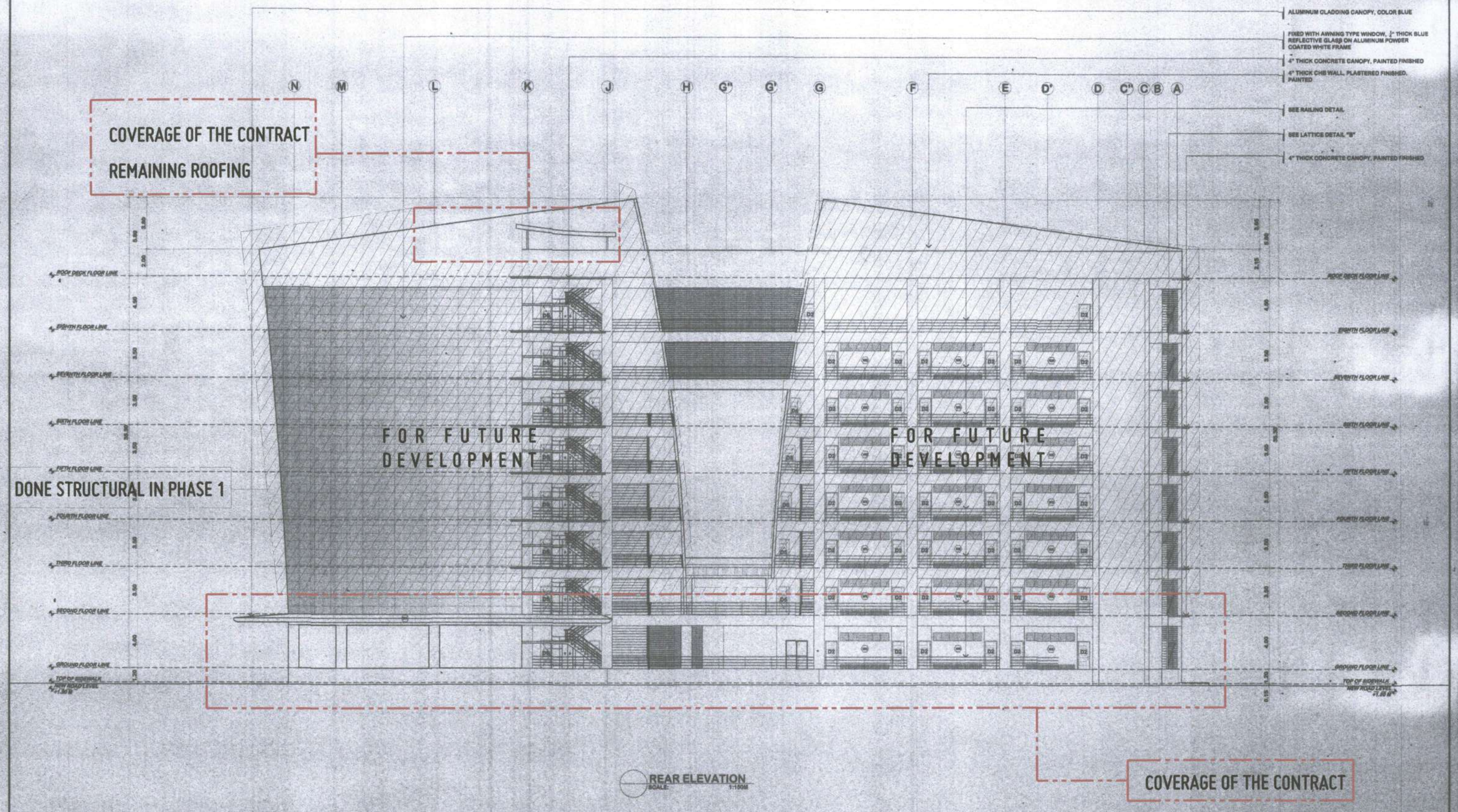
PROJECT : PROPOSED STUDENT CENTER & EDUCATION COMPLEX
LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL :
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED :
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS :
- FRONT ELEVATION

SHEET NO.
A12
A48
21
198



REAR ELEVATION
SCALE: 1:150M

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

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PRC NO. : 14128 | PTR NO. : 2709981
TIN NO. : 192 155 491 | DATE ISSUED:01-08-15

PROJECT: PROPOSED STUDENT CENTER & EDUCATION COMPLEX

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL :

ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED :

DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS :
• REAR ELEVATION

SHEET NO.
A13
A18

22
198

DONE STRUCTURAL IN PHASE 1

SEE RAILING DETAIL
SEE LATTICE DETAIL "B"
FIXED WITH AWNING TYPE WINDOW, ¼" THICK BLUE REFLECTIVE GLASS ON ALUMINUM POWDER COATED WHITE FRAME
4MM THICK PVDF POWERCLAD, COLOR JADE GREEN
UNIVERSITY SEAL
4" THICK CONCRETE CANOPY, PAINTED FINISHED

FOR FUTURE DEVELOPMENT

FOR PHASE 1A

COVERAGE OF THE CONTRACT

LEFT SIDE ELEVATION
SCALE: 1:150M

COVERAGE OF THE CONTRACT
REMAINING ROOFING

SEE RAILING DETAIL
FIXED WITH AWNING TYPE WINDOW, ¼" THICK BLUE REFLECTIVE GLASS ON ALUMINUM POWDER COATED WHITE FRAME
4" THICK CHB WALL, PLASTERED FINISHED, PAINTED
4MM THICK PVDF POWERCLAD, COLOR JADE GREEN
4" THICK CONCRETE CANOPY, PAINTED FINISHED
4MM THICK PVDF POWERCLAD PROMENADE ROOFING, COLOR JADE GREEN

DONE STRUCTURAL IN PHASE 1

FOR FUTURE DEVELOPMENT

RIGHT SIDE ELEVATION
SCALE: 1:150M

COVERAGE OF THE CONTRACT

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

C.M. Recto Avenue, Lapasan 9000 Cagayan de Oro City
Tel. Nos. (08822) 72-60-65 / (088) 856-1738 / 856-1738 Tele Fax (088) 856-4696
Web Site : www.mpsc.com.edu

PREPARED BY:
DR. REY D. GALLIB, PIA
ARCHITECT
PRC NO. : 14128 | PTR NO. : 2709061
TIN NO. : 102 166 491 | DATE ISSUED: 01-05-15

PROJECT: PROPOSED STUDENT CENTER & EDUCATION COMPLEX
LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL :
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED :
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS :
- LEFT SIDE ELEVATION
- RIGHT SIDE ELEVATION

SHEET NO. A19 A48

25
198

COVERAGE OF THE CONTRACT

REMAINING ROOFING

DONE STRUCTURAL IN PHASE 1

N M L K J H G" G' G F E D' D C" C B A

SEE RAILING DETAIL

SEE COMMON TOILET DETAIL

3" X 4" RECTANGULAR TUBE LATTICE

SEE LANDSCAPE DETAIL

0.00M HIGH WALL, CEMENT PLASTERED FINISHED, PAINTED

ROOF DECK FLOOR LINE

EIGHTH FLOOR LINE

SEVENTH FLOOR LINE

SIXTH FLOOR LINE

FIFTH FLOOR LINE

FOURTH FLOOR LINE

THIRD FLOOR LINE

SECOND FLOOR LINE

GROUND FLOOR LINE

TOP OF SIDEWALK NEW ROAD LEVEL +0.30 M

ROOF DECK

OFFICE

FOR FUTURE DEVELOPMENT

SPEECH LAB

ARTS & CULTURE

SPORTS DEVELOPMENT

VP STUDENT AFFAIRS OFFICE

SCRT

SCEA

SCAS

SCPSEM

SSC OFFICE

SAWS OFFICE

CONFERENCE ROOM

D2

OFFICE

ASSEMBLY AREA

FEMALE TOILET

MALE TOILET

LANDSCAPE

D5

RSIS

GUIDANCE COORDINATOR OFFICE

DENTAL CLINIC

MEDICAL CLINIC

MACHINE ROOM

STAGE

CLASSROOM 15

CLASSROOM 14

CLASSROOM 13

CLASSROOM 12

CLASSROOM 11

CLASSROOM 10

CLASSROOM 9

CLASSROOM 8

CLASSROOM 7

CLASSROOM 6

CLASSROOM 5

CLASSROOM 4

CLASSROOM 3

CLASSROOM 2

CLASSROOM 1

CDIO OFFICE

ELEVATOR

SECTION THRU X-X'

SCALE: 1:150M

COVERAGE OF THE CONTRACT

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

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PREPARED BY:

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PRC NO. : 14128
TIN NO. : 192 155 491

PROJECT: PROPOSED STUDENT CENTER & EDUCATION COMPLEX

PTR NO. : 2709961
DATE ISSUED: 01-05-15

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL :

ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

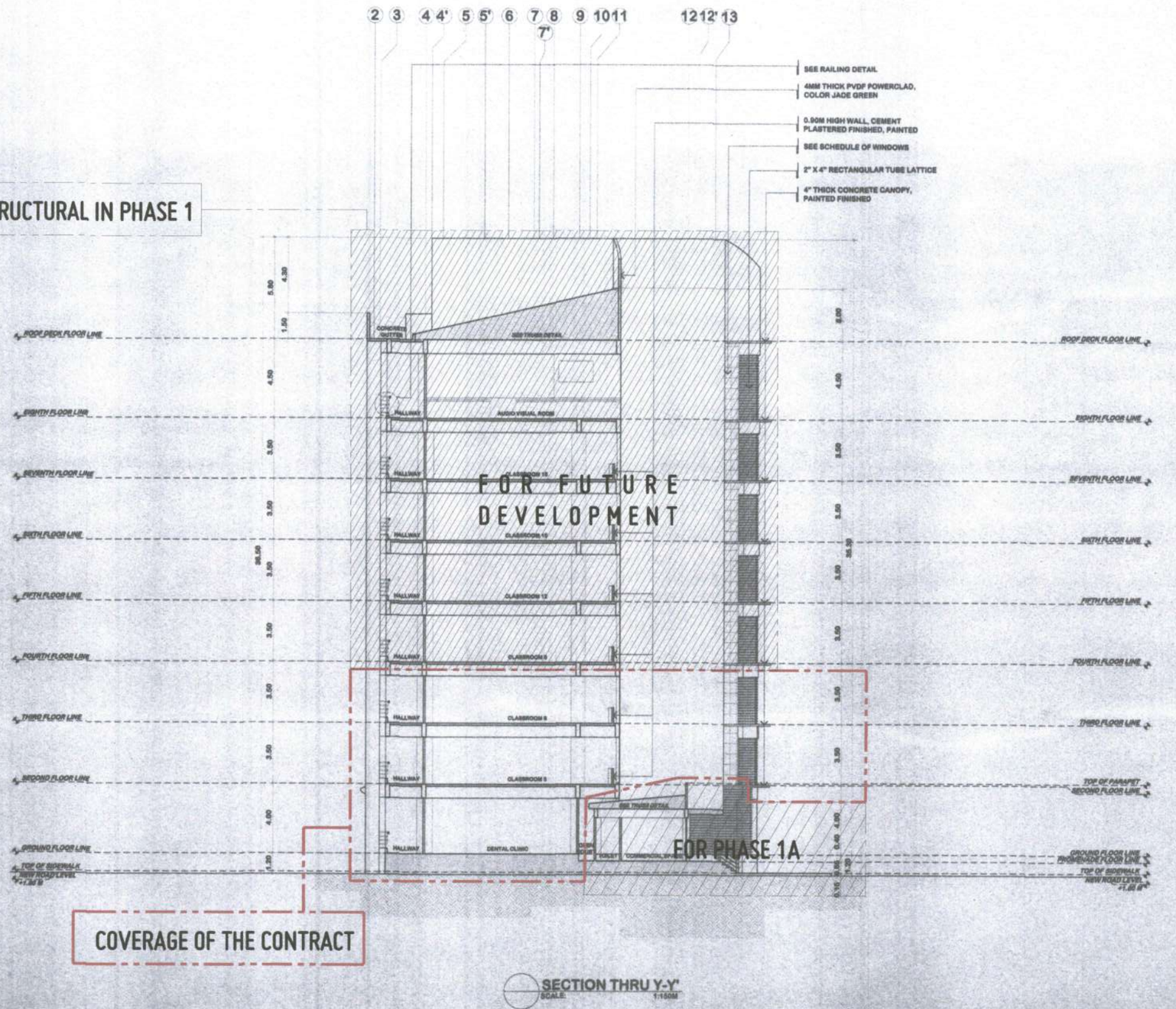
APPROVED :

DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS :
- SECTION THRU X-X'

SHEET NO.
A15
A48

29
198


2 3 4 4' 5 5' 6 7 8 9 10 11 12 12' 13
7'
SEE RAILING DETAIL
4MM THICK PVDF POWERCLAD, COLOR JADE GREEN
0.90M HIGH WALL, CEMENT PLASTERED FINISHED, PAINTED
SEE SCHEDULE OF WINDOWS
2" X 4" RECTANGULAR TUBE LATTICE
4" THICK CONCRETE CANOPY, PAINTED FINISHED
DONE STRUCTURAL IN PHASE 1
ROOF DECK FLOOR LINE
EIGHTH FLOOR LINE
SEVENTH FLOOR LINE
SIXTH FLOOR LINE
FIFTH FLOOR LINE
FOURTH FLOOR LINE
THIRD FLOOR LINE
SECOND FLOOR LINE
GROUND FLOOR LINE
TOP OF SIDEWALK NEW ROAD LEVEL +1.20 M
TOP OF PARAPET SECOND FLOOR LINE
FOR FUTURE DEVELOPMENT
FOR PHASE 1A
COVERAGE OF THE CONTRACT
HALLWAY
AUDIO VISUAL ROOM
CLASSROOM 13
CLASSROOM 12
CLASSROOM 11
CLASSROOM 10
CLASSROOM 9
CLASSROOM 8
CLASSROOM 7
DENTAL CLINIC
FOREST
5.60
4.50
3.50
3.50
3.50
3.50
4.00
1.20
4.30
1.50
35.50
5.60
4.50
3.50
3.50
3.50
3

MATERIAL LEGEND

FF1	60cm x 60cm HIGH POLISHED GRANITE TILES, COLOR: REFER TO ARCHITECT
FF2	60cm x 60cm RUSTIC GRANITE TILES, COLOR: REFER TO ARCHITECT
FF3	30cm x 30cm SEMI-POLISHED GRANITE TILES,COLOR: REFER TO ARCHITECT
FF4	45cm x 45cm x 3mm VINYL TILE CARPET DESIGN SERIES, COLOR: REFER TO ARCHITECT
FF5	PLAIN CEMENT SMOOTH PLASTER FINNISH

POST

POST

FOR PHASE 1A

COVERAGE OF THE CONTRACT

GROUND FLOOR FINISH PLAN

SCALE: 1:150M

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

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DR. REY D. GALUA, PIA
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PRC NO. : 14128 PTR NO. : 2709981
TIN NO. : 192 155 491 DATE ISSUED:01-05-15

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER: MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL:
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED:
DR. RICARDO E. ROTORAS
MUST PRESIDENT

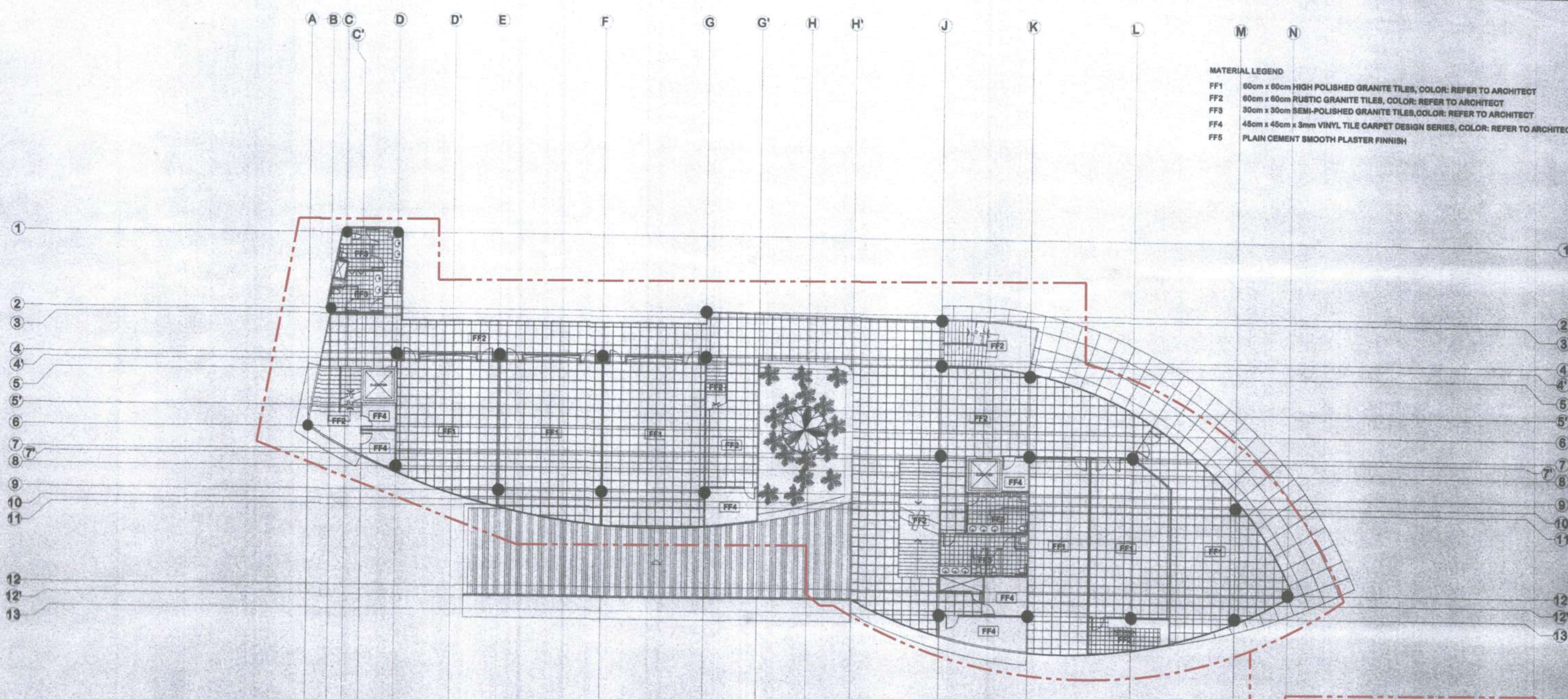
SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS:
- GROUND FLOOR FINISH PLAN

SHEET NO. A17 A18

26
198

MATERIAL LEGEND

FF1	60cm x 60cm HIGH POLISHED GRANITE TILES, COLOR: REFER TO ARCHITECT
FF2	60cm x 60cm RUSTIC GRANITE TILES, COLOR: REFER TO ARCHITECT
FF3	30cm x 30cm SEMI-POLISHED GRANITE TILES,COLOR: REFER TO ARCHITECT
FF4	45cm x 45cm x 3mm VINYL TILE CARPET DESIGN SERIES, COLOR: REFER TO ARCHITECT
FF5	PLAIN CEMENT SMOOTH PLASTER FINNISH



SECOND FLOOR FINISH PLAN

SCALE: 1:150M

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

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PREPARED BY:

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PRO NO. : 14128 PTR NO. : 2709981
TIN NO. : 102 156 491 DATE ISSUED:01-05-18

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL :

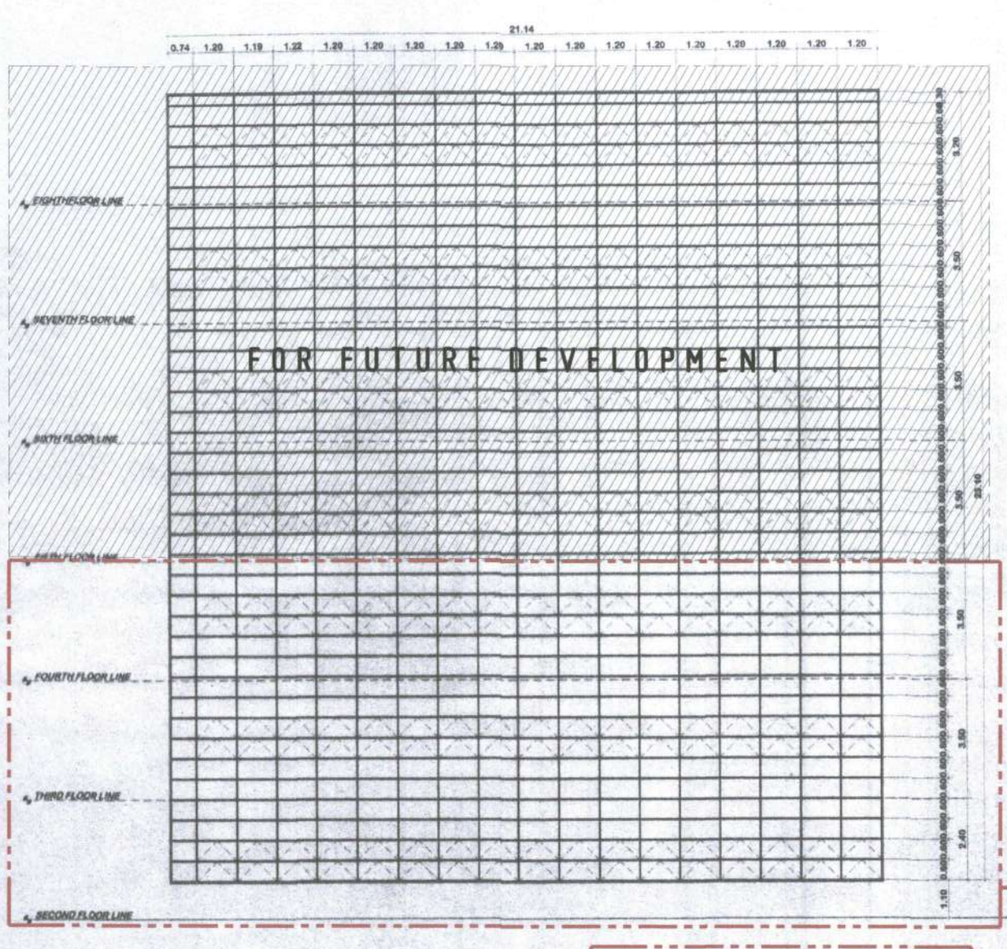
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED :

DR. RICARDO C. ROTORAS
MUST PRESIDENT

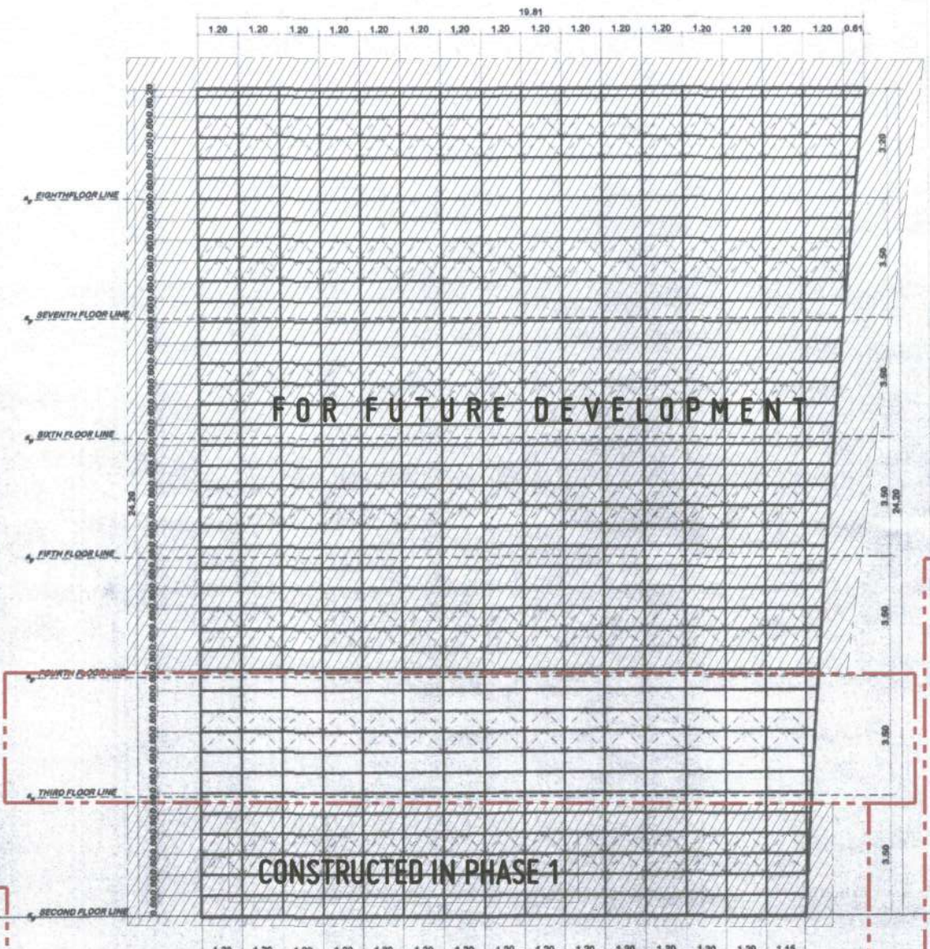
SHEET TITLE: ARCHITECTURAL SHEET NO.
SHEET CONTENTS :
- SECOND FLOOR FINISH PLAN A18

A18
27
198



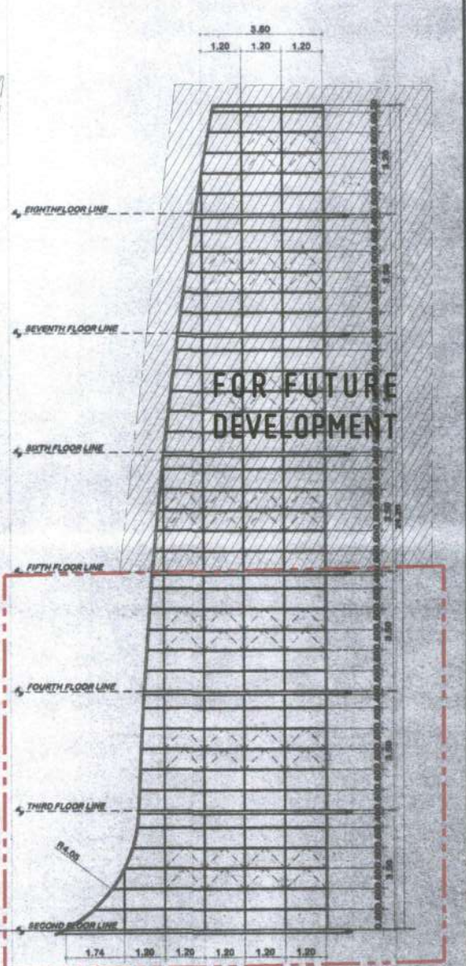
W1

WINDOW TYPE	FIXED WITH AWNING TYPE, ¼" THICK BLUE REFLECTIVE GLASS ON ALUMINUM POWDER COATED WHITE FRAME
LOCATION	CLASSROOMS
QUANTITY	1 SET



W2

WINDOW TYPE	FIXED WITH AWNING TYPE, ¼" THICK BLUE REFLECTIVE GLASS ON ALUMINUM POWDER COATED WHITE FRAME
LOCATION	CLASSROOMS
QUANTITY	1 SET



W3

WINDOW TYPE	FIXED WITH AWNING TYPE, ¼" THICK BLUE REFLECTIVE GLASS ON ALUMINUM POWDER COATED WHITE FRAME
LOCATION	STAIR "A"
QUANTITY	1 SET

SCHEDULE OF WINDOWS -1

SCALE: 1:100M

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

C.M. Recto Avenue, Lapasan 9000 Cagayan de Oro City
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ARCHITECT

PROJECT: PROPOSED STUDENT CENTER & EDUCATION COMPLEX

PRC NO. : 14128	PTR NO. : 2709981	LOCATION:	C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
TIN NO. : 192 155 491	DATE ISSUED: 01-05-15	OWNER:	MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

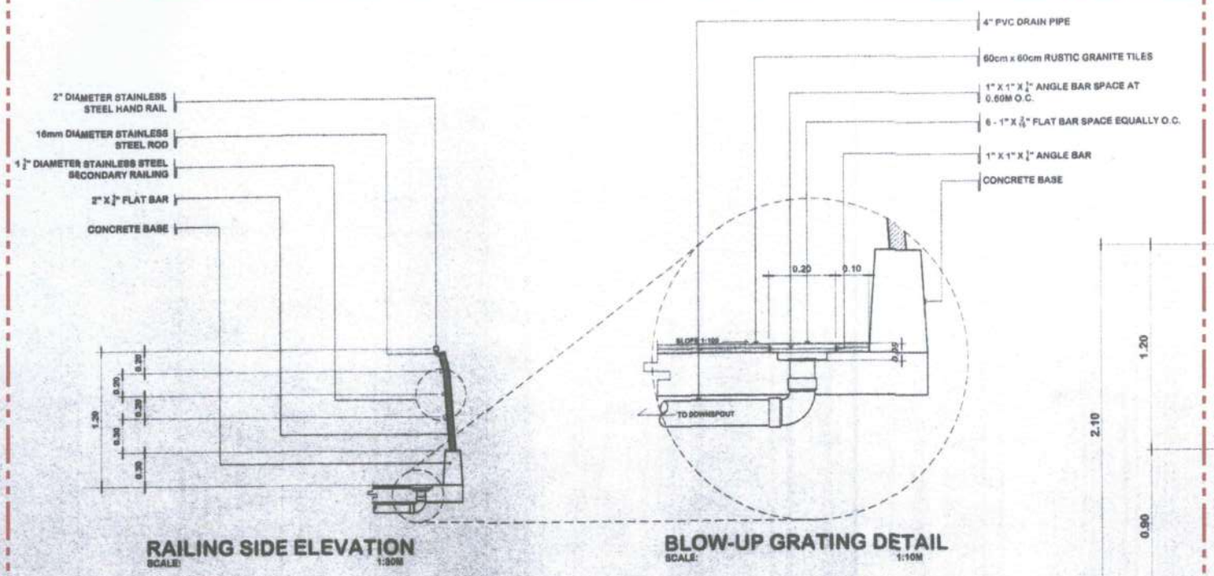
RECOMMENDING APPROVAL:
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED:
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS:
- SCHEDULE OF WINDOWS - 1

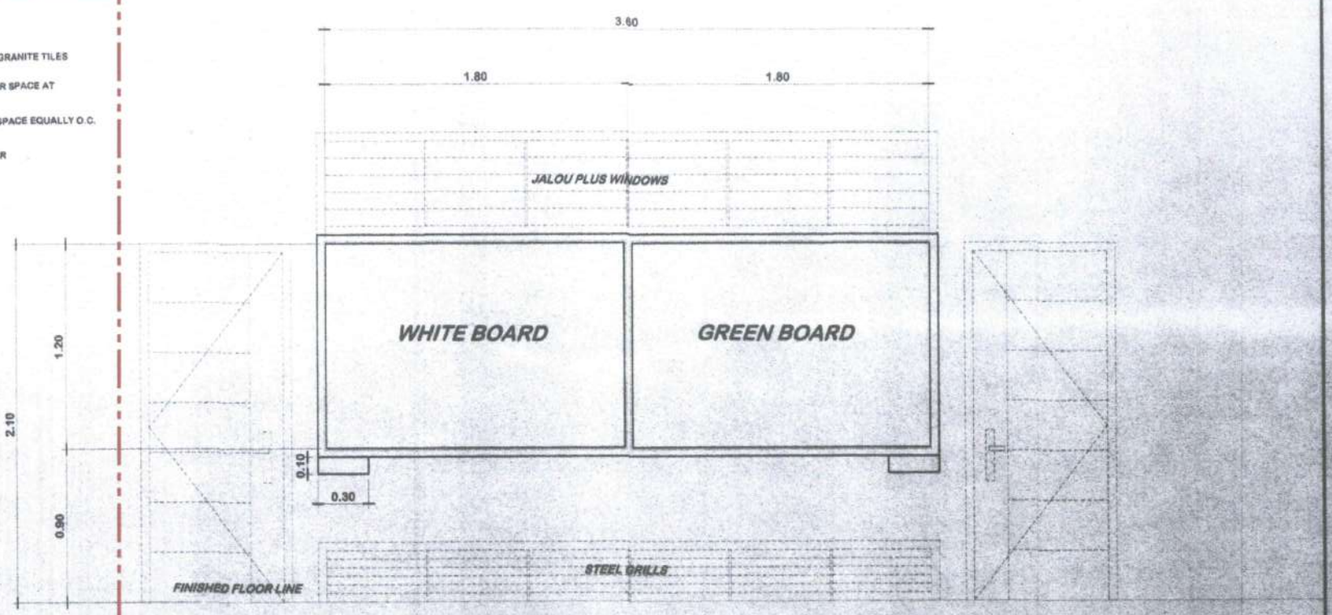
SHEET NO. A36 A48

45
198

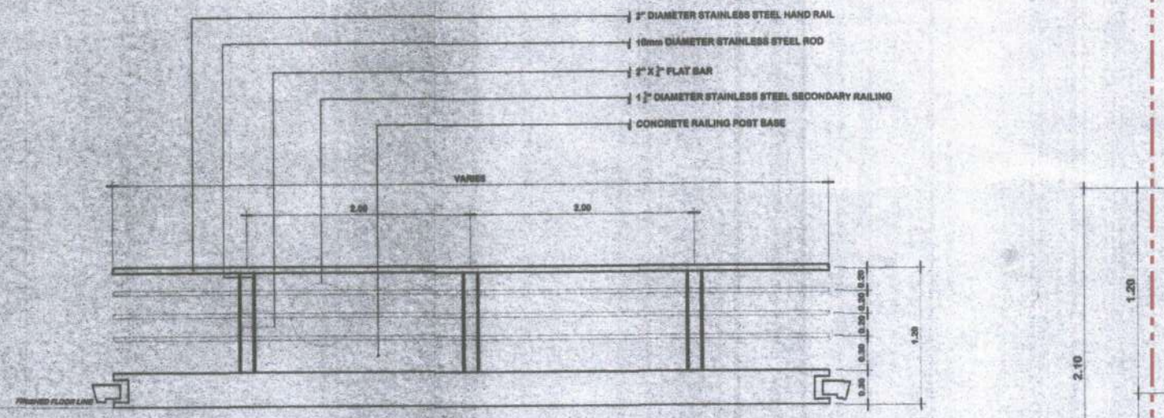


RAILING SIDE ELEVATION
SCALE: 1:30M

BLOW-UP GRATING DETAIL
SCALE: 1:10M

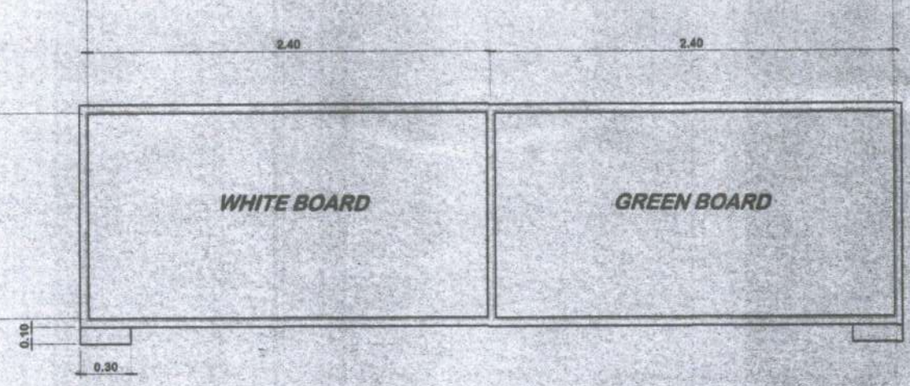


TYPICAL CLASS ROOM BOARDS
SCALE: 1:20M



TYPICAL RAILING DETAIL
SCALE: 1:30M

COVERAGE OF THE CONTRACT FOR GROUND & 2ND FLR RAILINGS ONLY



TYPICAL SPEECH LAB BOARD
SCALE: 1:20M

REPUBLIC OF THE PHILIPPINES
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PREPARED BY:
DR. REY D. GALLIA, PIA
ARCHITECT
PRC NO. : 14123 | PTR NO. : 2709901
TIN NO. : 102 155 491 | DATE ISSUED: 01-05-15

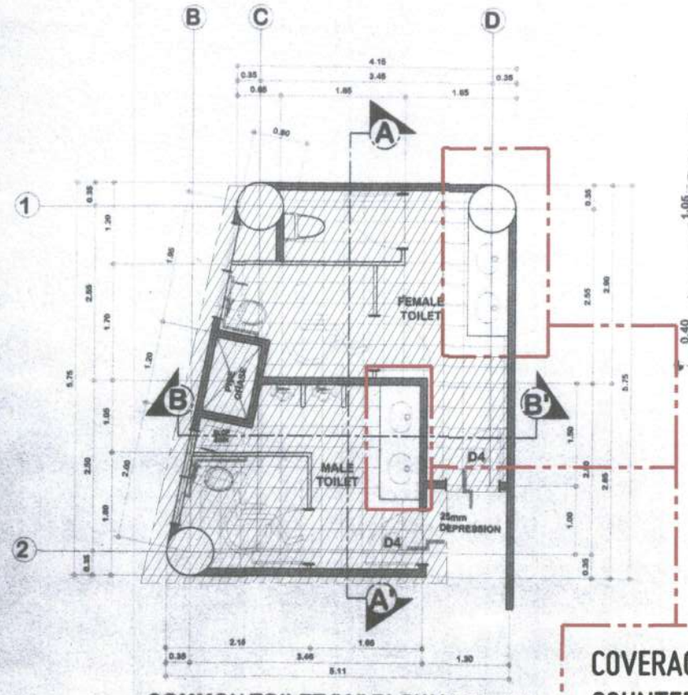
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RECOMMENDING APPROVAL:
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DIRECTOR, ADMINISTRATION

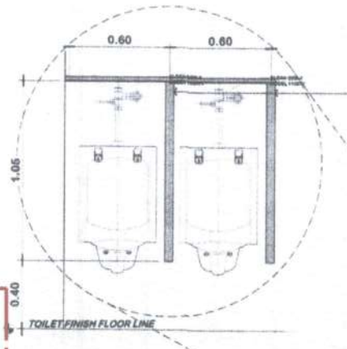
APPROVED:
DR. RICARDO B. ROTORAS
UNIVERSITY PRESIDENT

SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS:
- RAILING DETAIL
- TYPICAL CLASSROOM BOARDS DETAIL
- SPEECH LAB BOARD DETAIL

SHEET NO. A38 A-18 47 198

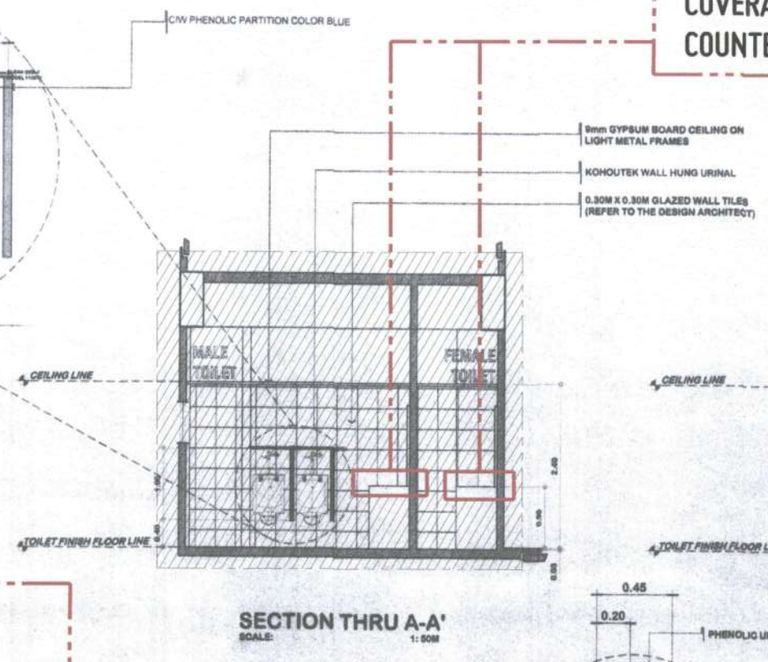


COMMON TOILET "A" BLOW UP PLAN
SCALE: 1: 50M

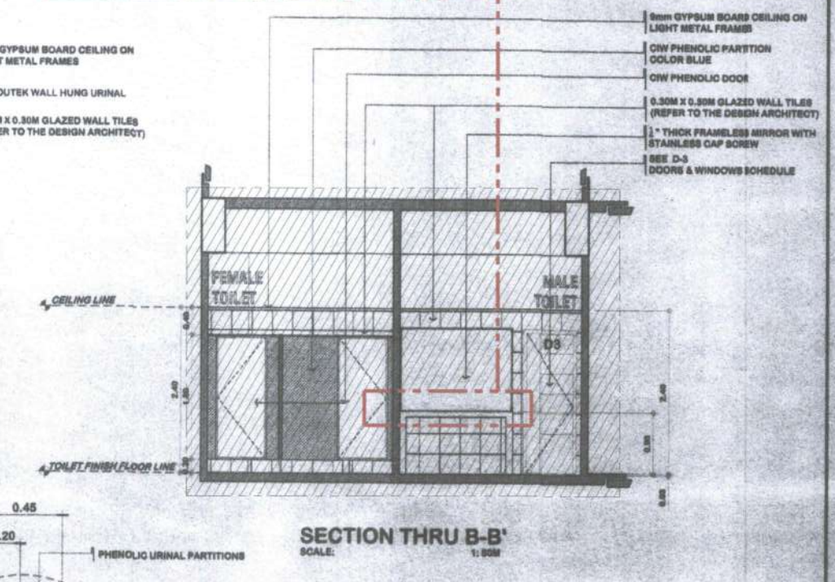


BLOW UP DETAIL
SCALE: 1: 20M

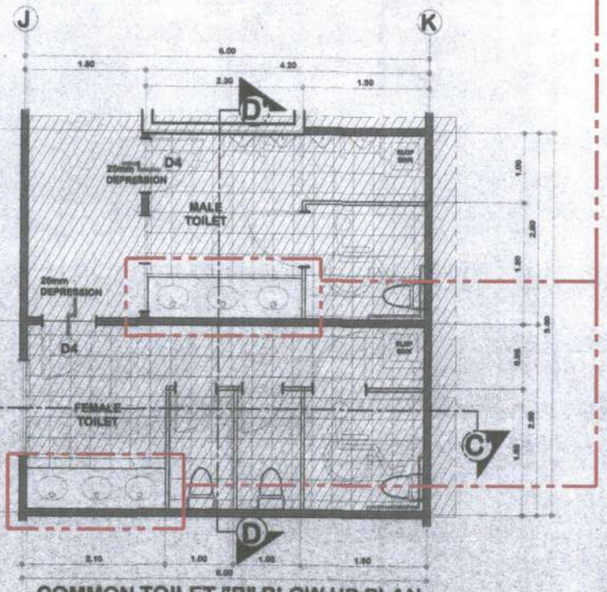
COVERAGE OF THE CONTRACT
COUNTERTOP TOPPINGS



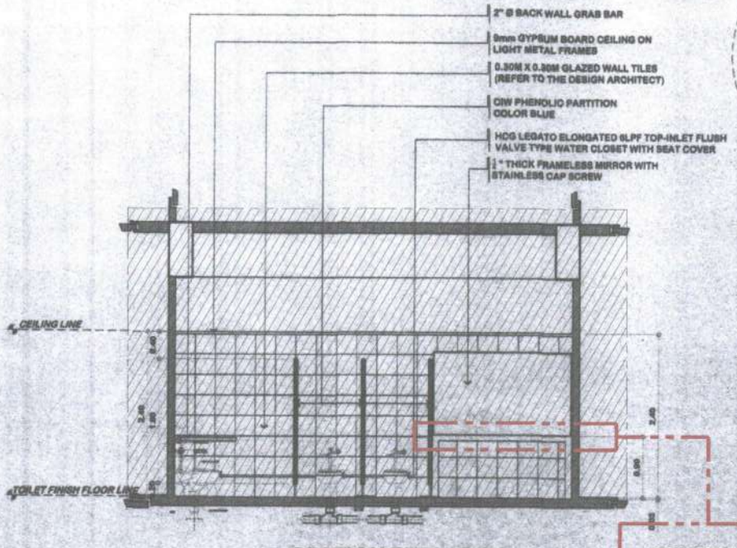
SECTION THRU A-A'
SCALE: 1: 50M



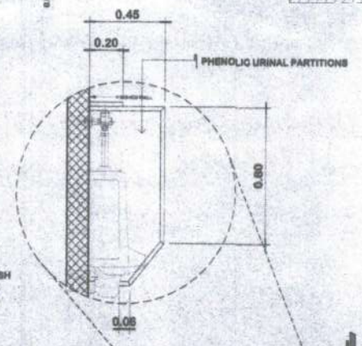
SECTION THRU B-B'
SCALE: 1: 50M



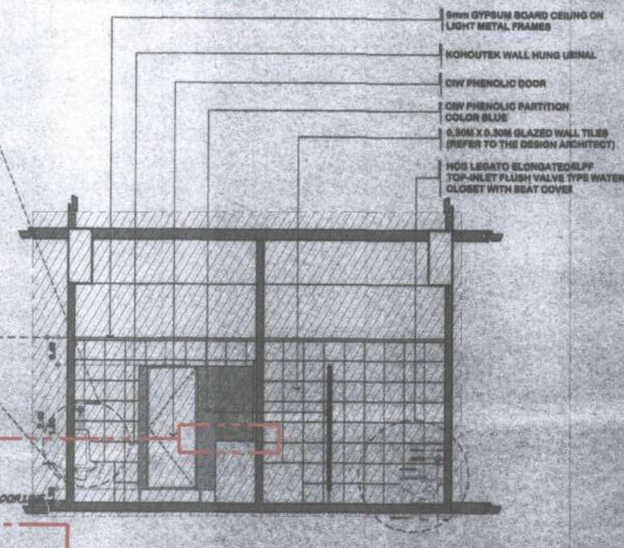
COMMON TOILET "B" BLOW UP PLAN
SCALE: 1: 50M



SECTION THRU C-C'
SCALE: 1: 50M



BLOW - UP DETAIL
SCALE: 1:20M



SECTION THRU D-D'
SCALE: 1: 50M

COVERAGE OF THE CONTRACT
COUNTERTOP TOPPINGS

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

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PRC NO. : 14139 PTR NO. : 2709661
TIN NO. : 102 155 491 DATE ISSUED:01-05-15

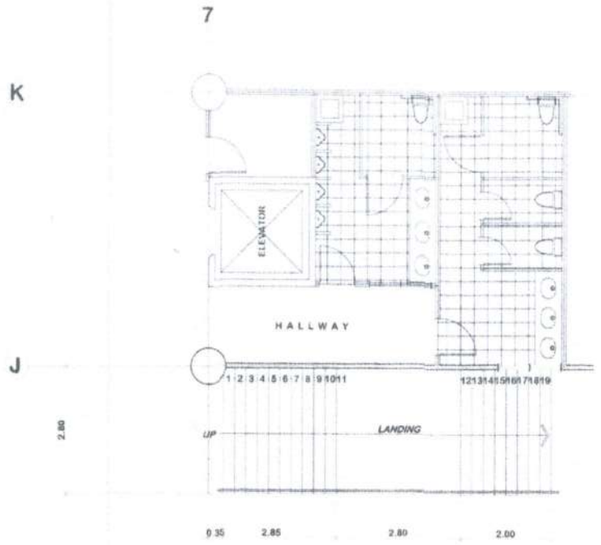
PROJECT: PROPOSED STUDENT CENTER & EDUCATION COMPLEX
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RECOMMENDING APPROVAL:
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

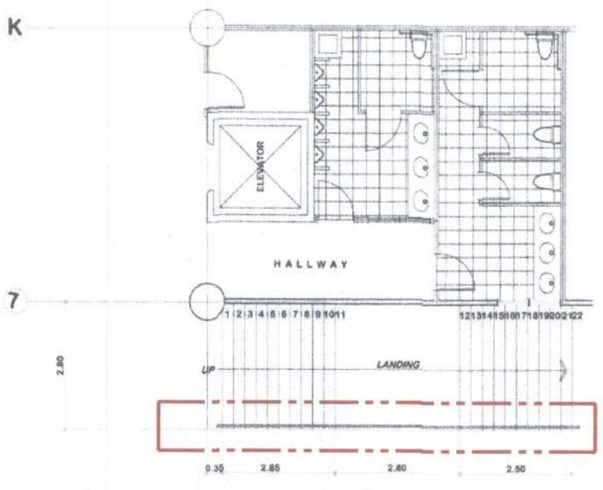
APPROVED:
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL SHEET NO.
SHEET CONTENTS:
- COMMON TOILET "A" DETAIL — A40
- COMMON TOILET "B" DETAIL — A48

49
195

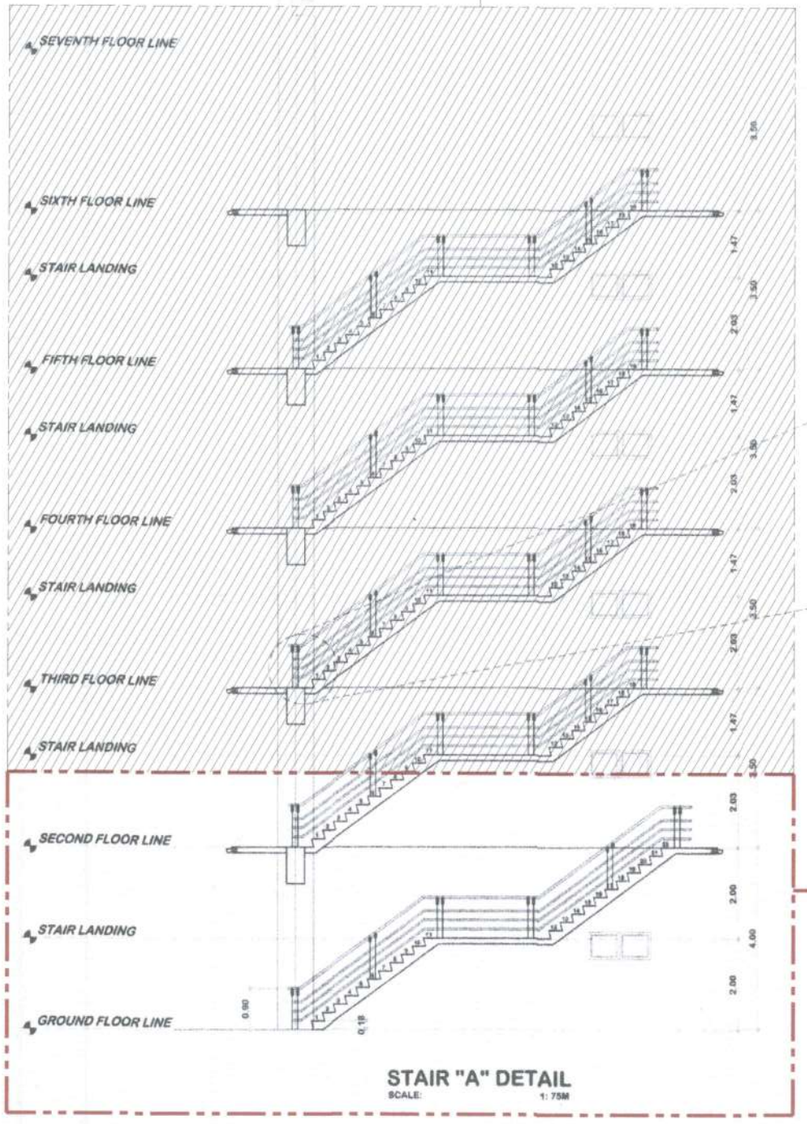


STAIR "A" SECOND TO SIXTH FLOOR PLAN
SCALE 1: 75M

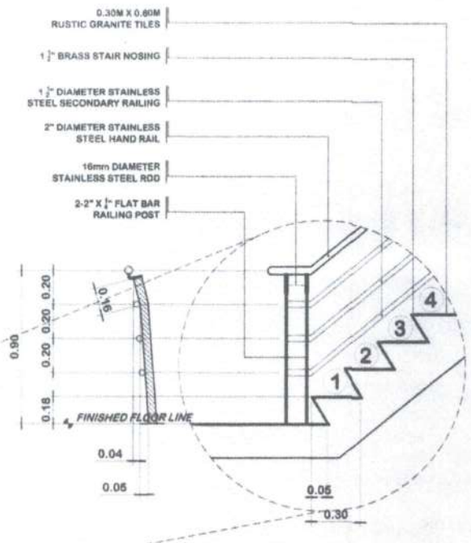


STAIR "A" GROUND FLOOR PLAN
SCALE: 1: 75M

PARTIALLY DONE IN PHASE 1
CONSTRUCTION:
STAIRS ONLY, NO RAILINGS
RAILINGS:
(FOR FUTURE DEVELOPMENT)



STAIR "A" DETAIL
SCALE: 1: 75M



BLOW - UP DETAIL
SCALE: 1:20M

COVERAGE OF THE CONTRACT:
RAILINGS UP TO 2ND FLOOR

REPUBLIC OF THE PHILIPPINES
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TIN NO. : 192 155 491 DATE ISSUED: 01-05-15

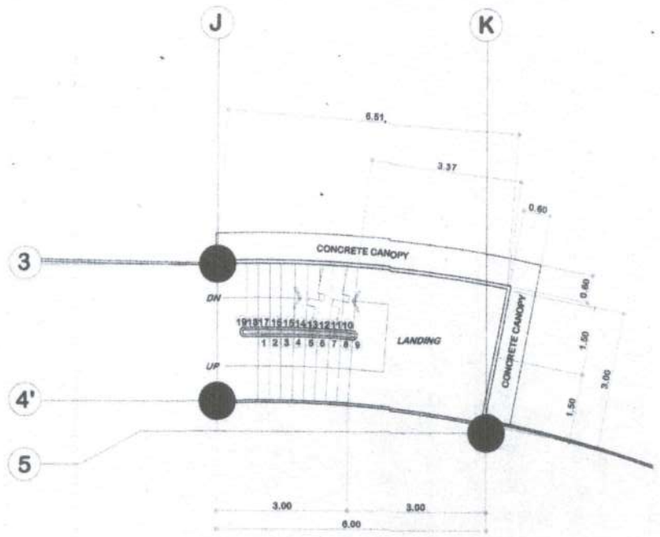
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RECOMMENDING APPROVAL :
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED :
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS :
- STAIR "A" DETAIL

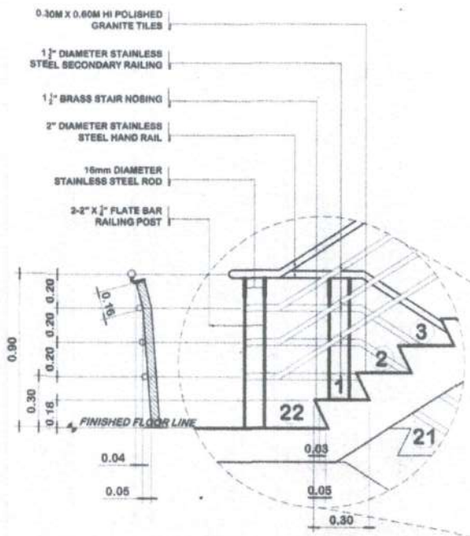
SHEET NO. A42 A48
51
198



STAIR "B" SECOND TO ROOF DECK PLAN

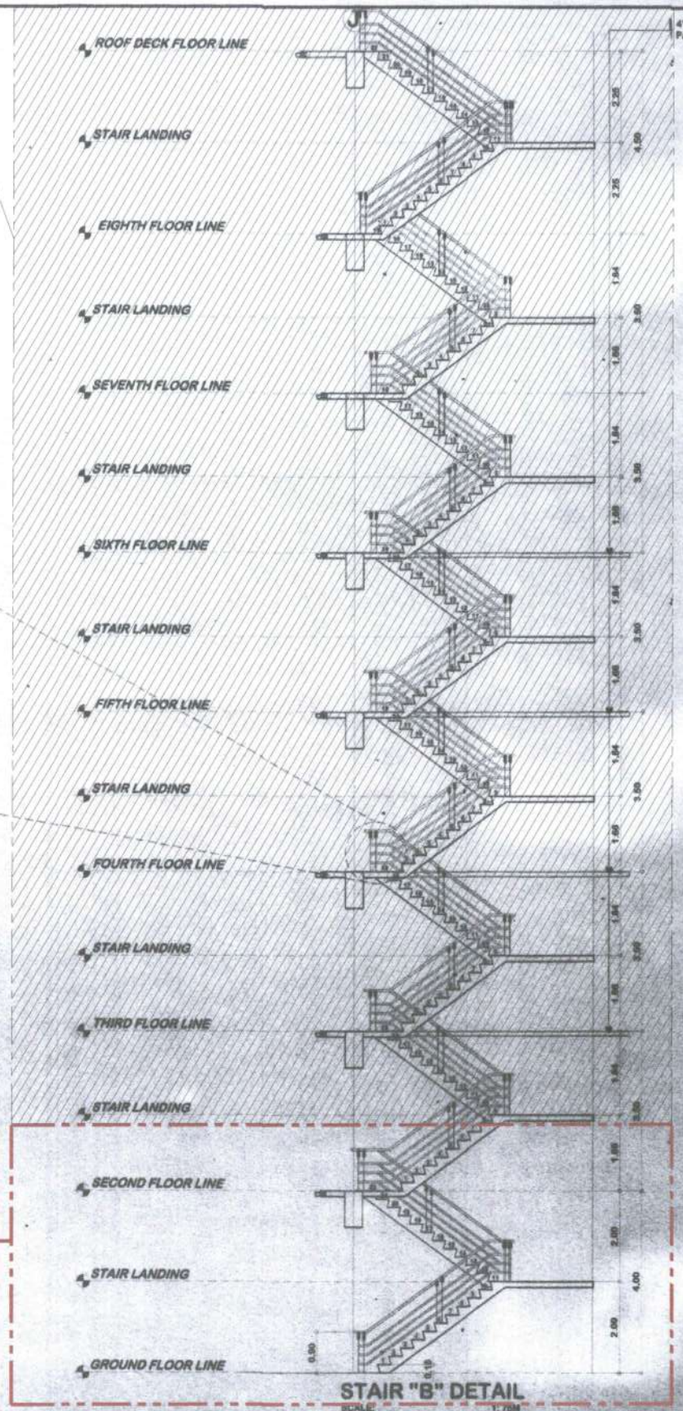
SCALE: 1: 75M

PARTIALLY DONE IN PHASE 1
CONSTRUCTION:
STAIRS ONLY, NO RAILINGS
RAILINGS:
(FOR FUTURE DEVELOPMENT)



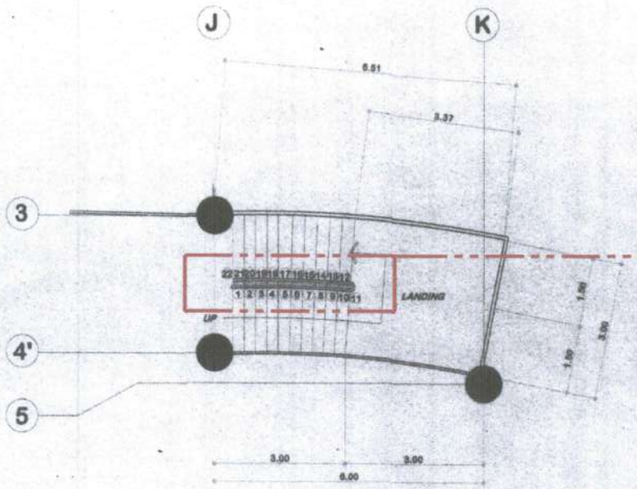
BLOW - UP DETAIL

SCALE: 1:20M



STAIR "B" DETAIL

SCALE: 1: 75M



STAIR "B" GROUND FLOOR PLAN

SCALE: 1: 75M

COVERAGE OF THE CONTRACT:
RAILINGS UP TO 2ND FLOOR

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

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PREPARED BY:

DR. REY D. SALUDAR PIA
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PRC NO. : 14128 PTR NO. : 2709981
TIN NO. : 102 166 491 DATE ISSUED:01-05-15

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APPROVED :

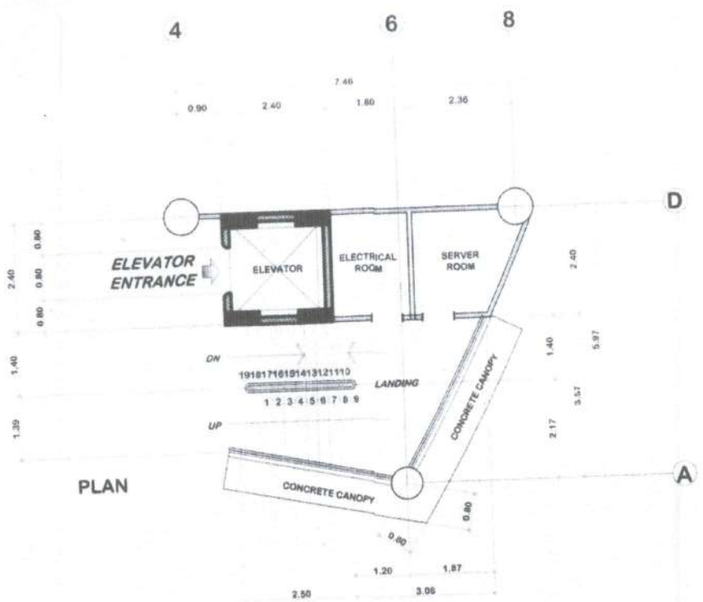
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS :
- STAIR "B" DETAIL

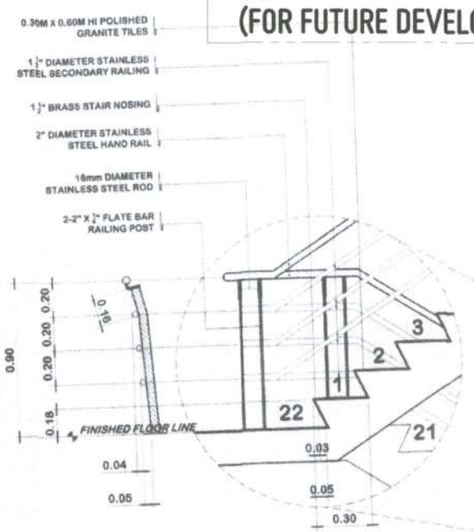
SHEET NO. A48 A49

52
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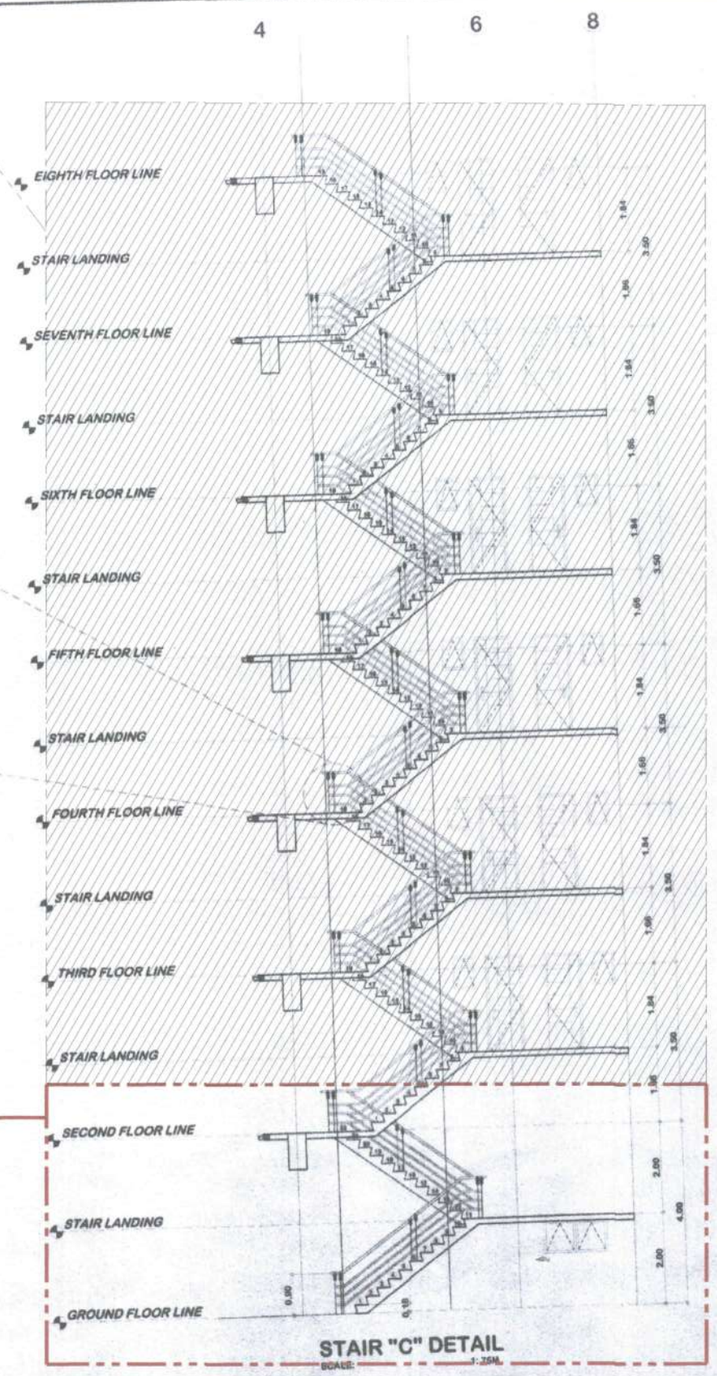
PARTIALLY DONE IN PHASE 1
CONSTRUCTION:
STAIRS ONLY, NO RAILINGS
RAILINGS:
(FOR FUTURE DEVELOPMENT)



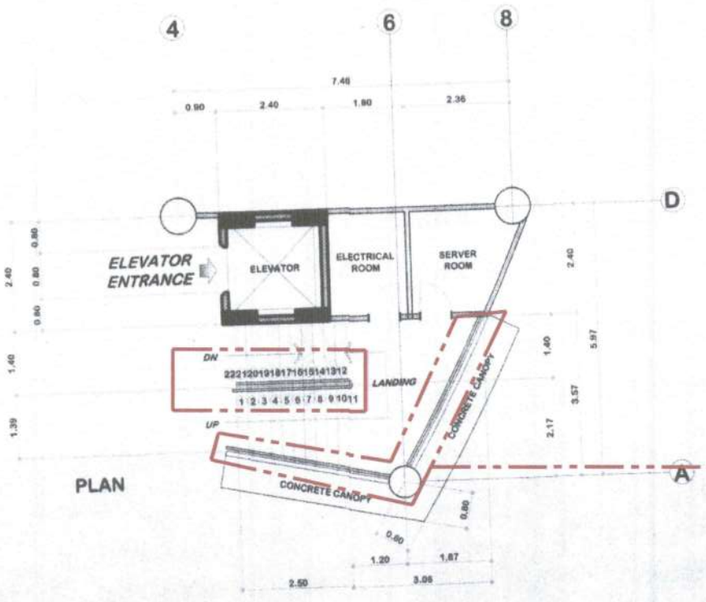
STAIR "C" SECOND TO ROOF DECK PLAN
SCALE: 1: 75M



BLOW - UP DETAIL
SCALE: 1:20M



STAIR "C" DETAIL
SCALE: 1:25M



STAIR "C" GROUND FLOOR PLAN
SCALE: 1: 75M

COVERAGE OF THE CONTRACT:
RAILINGS UP TO 2ND FLOOR

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

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PREPARED BY:
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ARCHITECT
PRC NO. : 14128 PTR NO. : 2709981
TIN NO. : 192 165 491 DATE ISSUED:01-05-15

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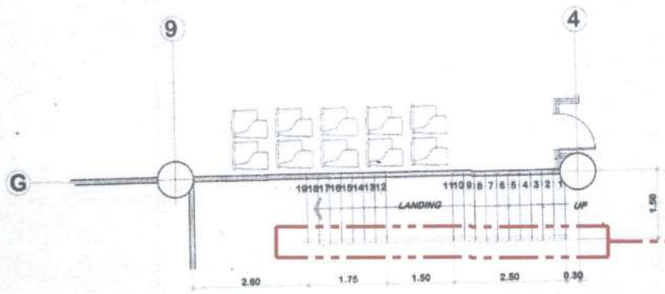
RECOMMENDING APPROVAL:
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED:
DR. RICARDO E. ROTORAS
MUST PRESIDENT

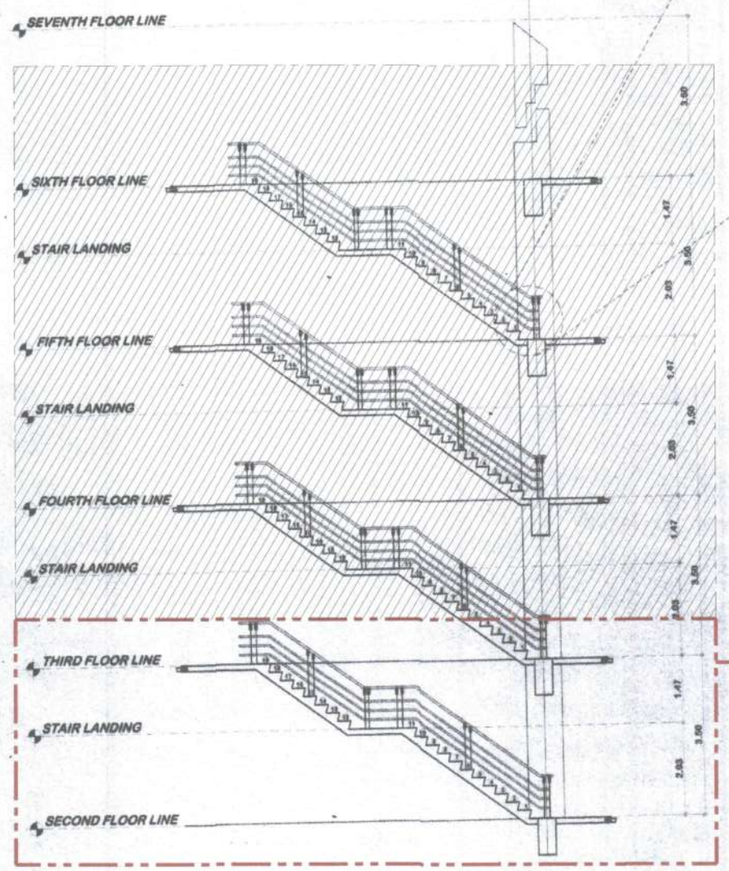
SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS:
- STAIR "C" DETAIL

SHEET NO.
A44
A48

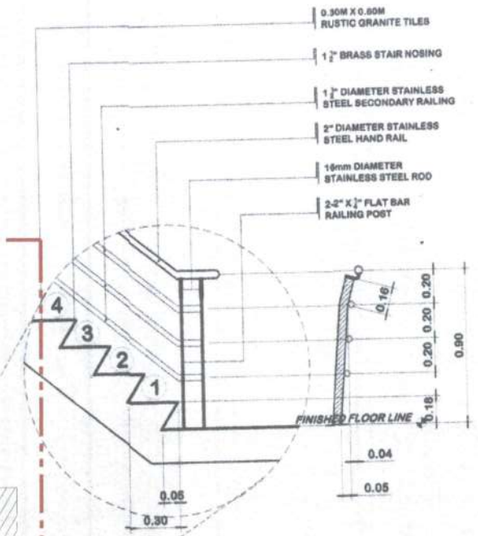
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198



STAIR "D" SECOND TO SIXTH FLOOR PLAN
SCALE: 1: 75M

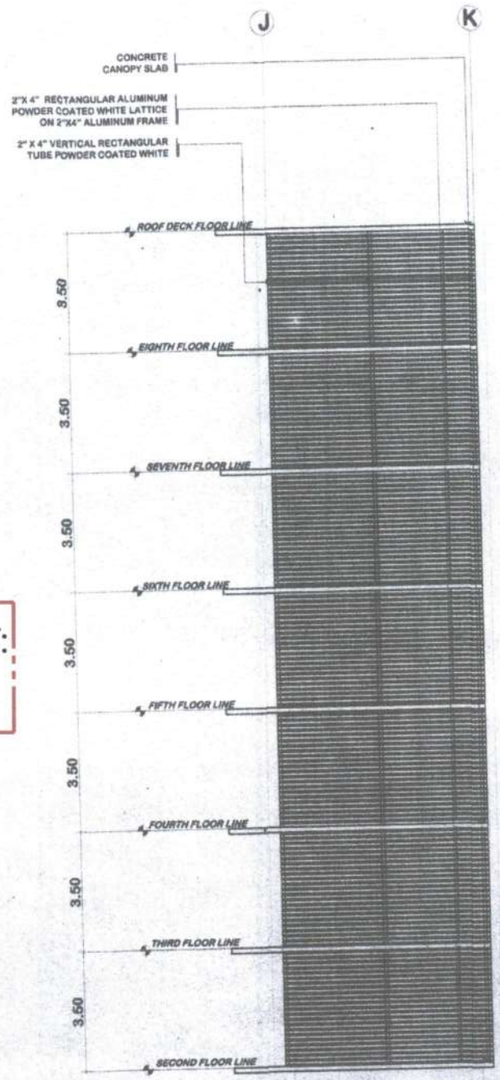


STAIR "D" DETAIL
SCALE: 1: 75M

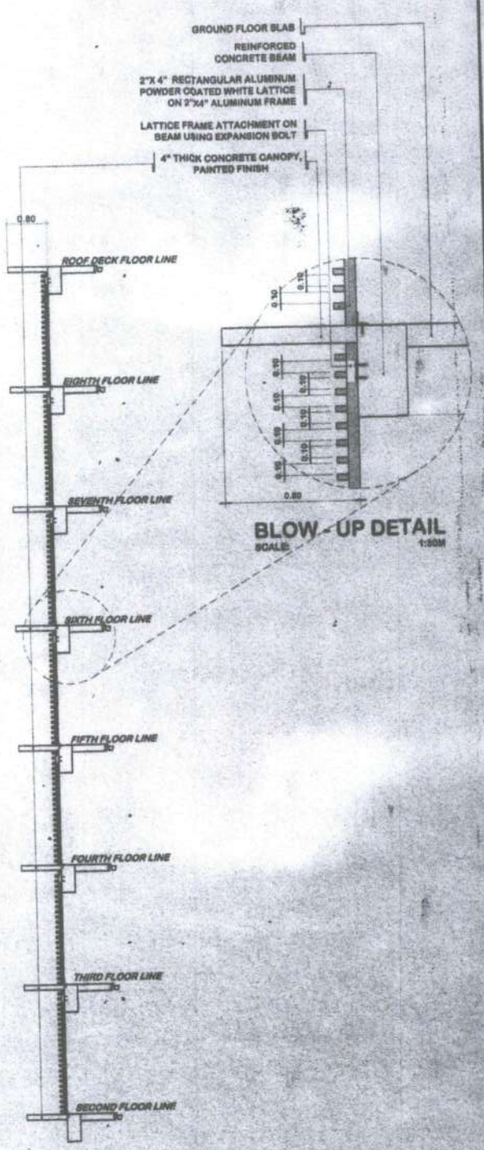


BLOW - UP DETAIL
SCALE: 1:20M

COVERAGE OF THE CONTRACT:
RAILINGS ONLY



FRONT ELEVATION



BLOW - UP DETAIL
SCALE: 1:50M

SECTION

LATTICE "B" DETAIL
SCALE: 1: 100M

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ARCHITECT
PRC NO. : 14128 | PTR NO. : 2709991
TIN NO. : 192 165 491 | DATE ISSUED: 01-05-18

PROJECT: PROPOSED STUDENT CENTER & EDUCATION COMPLEX
LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL :
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED :
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ARCHITECTURAL
SHEET CONTENTS :
- STAIR "D" DETAIL

SHEET NO.
A45
A46
84
198

LIGHTING SYMBOLS:

7W
- 7W MR16 E27
- INPUT VOLTAGE: 100-220V AC
- POWER CONSUMPTION: 7W
- COLOR TEMPERATURE: 3000K/6000K
- LUMENS: ~525 LM
- LED CHIP: CREE(US)
- BEAM ANGLE: 40°,120°
- DIMENSION: Ø50MMX45.5MM
- BASE: GX5.3

24W
- 24W LED TUBE T8 4FT
- INPUT VOLTAGE: 100-220V AC
- POWER CONSUMPTION: 7W
- COLOR TEMPERATURE: 3000K/6000K
- LUMEN: ~1000 LM
- LED CHIP: EPISTAR(TAIWAN)
- BEAM ANGLE: 120°
- DIMENSION: Ø26MMXH1200MM
- BASE: G13 B/P

DL3 15W
- 15W LED DOWNLIGHT (TILTABLE)
- DRIVER INPUT: DC 700mA/24V
- POWER CONSUMPTION: 15W
- COLOR TEMPERATURE: 3000K/6000K
- LUMEN: ~530 LM
- LED CHIP: EDISON(TAIWAN)
- BEAM ANGLE: 38°/60°
- DIMENSION: Ø124.5MMXH34.5MM
- WEIGHT: 310g

75W
- 75W LED FLOODLIGHT
- INPUT VOLTAGE: 100-240V AC 12 DC/24V DC
- POWER CONSUMPTION: 75W
- COLOR TEMPERATURE: 3000K/6000K
- LUMEN: ~5400LM
- LED CHIP: CREE(US)
- BEAM ANGLE: 130°
- DIMENSION: 380MMX240MMX65MM
- WEIGHT: 5.8Kg

POST

3 12 PB1 DP2

COVERAGE OF THE CONTRACT

TEMPORARY MAIN BREAKER FOR DP1 PB1&2

CONSTRUCTED IN PHASE 1

FOR PHASE 1A

COVERAGE OF THE CONTRACT

TEMPORARY MAIN BREAKER FOR DP2 PB1&2

LEGENDS:

- LIGHTING OUTLET
- GARDEN LAMP
- TWO-GANG CONVENIENCE OUTLET
- MAIN PANEL BOARD (MPB)
- DISTRIBUTION PANEL (DP)
- PANEL BOARD (PB)
- CIRCUIT BREAKER
- ELECTRIC METER
- SERVICE ENTRANCE
- GROUND LINE
- S_1 SINGLE GANG SWITCH
- S_2 TWO - GANG SWITCH
- S_3 THREE - GANG SWITCH
- S_{3W} THREE - WAY SWITCH
- CIRCUIT HOME RUN
- RISER
- AIR CONDITIONING UNIT
- EMERGENCY LAMP
- CP CENTRIFUGAL PUMP
- FP FIRE PUMP
- JP JOCKEY PUMP
- BP BOOSTER PUMP
- ATS AUTOMATIC TRANSFER SWITCH
- SL 500W STREET LIGHT
- FL 500W FLOODLIGHT

GROUND FLOOR LIGHTING OUTLET LAYOUT

SCALE 1:150M

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PREPARED BY:

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PROF. ELECTRICAL ENGINEER
PRC REG. NO. : 3 037 PTR NO. : 9004279
TIN NO. : 181 677 887 DATE ISSUED: 1/8/14

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER: MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL:
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED:
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ELECTRICAL
SHEET CONTENTS:
-GROUND FLOOR LIGHTING OUTLET LAYOUT

SHEET NO.
E1
E25

107
198

SCHEDULE OF LOADS AND DESIGN COMPUTATION FOR MAIN PANEL BOARD (MPB)

MPB	DP NO.		WATTS	AMPERES A	AMPERES B	AMPERES C	3Ø	PROTECTION PER CIRCUIT	SIZE OF WIRE	SIZE OF CONDUIT
	DP1		187,460	358.72	312.74	329.68	96.02	600	3 SETS OF 3 - 106 mm² THHN COPPER WIRE	3-50 mm
	DP2		229,500	381.38	318.79	290.84		600	3 SETS OF 3 - 106 mm² THHN COPPER WIRE	3-50 mm
	DP3		69,826				303.60	250	3 - 125 mm² THHN COPPER WIRE	65 mm
		SUBTOTAL	486,388	740.10	631.53	620.52	399.62			

COMPUTATION: FOR MAIN FEEDER

$P = (\sqrt{3})(V_L)(I_L)$

$I_L = \frac{P}{(\sqrt{3})(V_L)}$

FOR CONDUCTOR:

$I_L = \frac{486,286w}{(\sqrt{3})(230\ V)}$

$= 1,220.69 \times 1.25 + 0.25\ (104.0)$

$= 1,346.72$ AMPS

FOR PROTECTION:

$I_L = 1,220.69 \times 2.50\ (104.0)$

$= 1,480.69$ AMPS

THEREFORE USE 1,500 AMPERE CIRCUIT BREAKER, 3 PST, 230 V,
USE 3 SETS OF 3- 325mm² THHN COPPER WIRE ON 3-90mm Ø RSC PIPE

COMPUTATION FOR TRANSFORMER AND GENSET

COMPUTATION FOR TRANSFORMER:

$S_{trans} = \frac{(\sqrt{3})(I_L)(V_{L-L(s)})}{1,000}$ $S_{trans} = 496.64$ KVA

$S_{trans} = \frac{(\sqrt{3})(1,246.72)(230)}{1,000}$ $S_{trans} = 500$ KVA

THEREFORE
USE 3-200 KVA TRANSFORMER

COMPUTATION FOR GENSET:

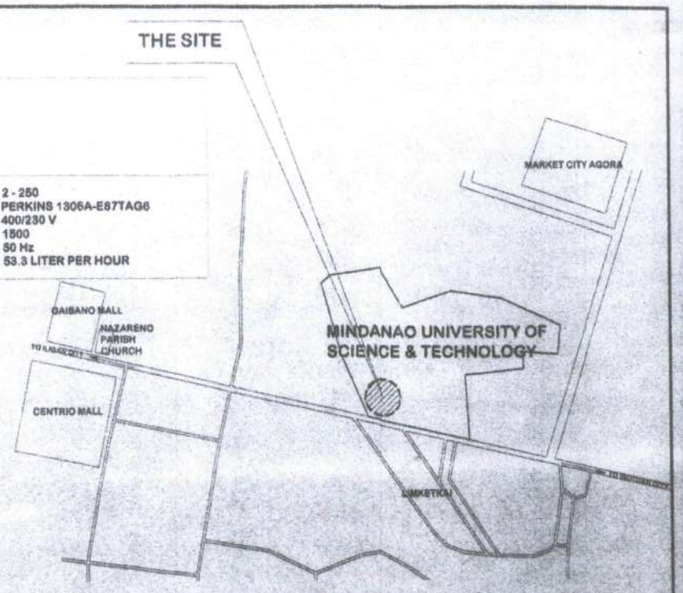
$T_{gens} = \frac{(\sqrt{3})(I_L)(V_{L-L(s)})}{1000}$ $T_{gens} = 496.64$ KVA

$T_{gens} = \frac{(\sqrt{3})(1,246.72)(230)}{1000}$ $T_{gens} = 500$ KVA

THEREFORE
USE 2 - 250 KVA GENSET

KVA: 2 - 250
ENGINE TYPE: PERKINS 1306A-E87TAG6
VOLTS: 400/230 V
R.P.M.: 1500
CYCLES HZ: 50 Hz
FUEL CONSUMPTION: 53.3 LITER PER HOUR

THE SITE



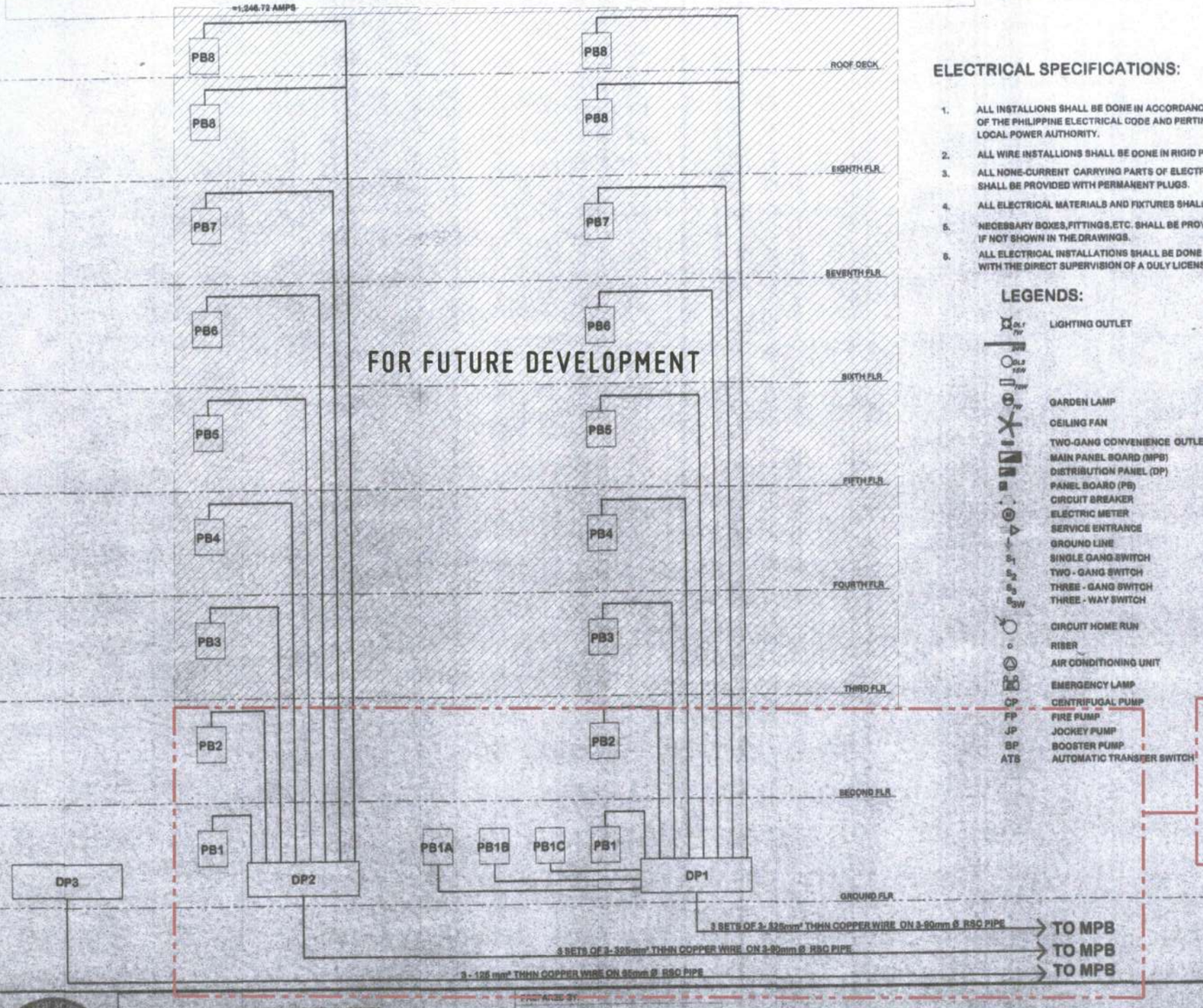
VICINITY MAP

ELECTRICAL SPECIFICATIONS:

1. ALL INSTALLIONS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE AND PERTINENT REQUIREMENT OF THE LOCAL POWER AUTHORITY.
2. ALL WIRE INSTALLIONS SHALL BE DONE IN RIGID PVC CONDUIT.
3. ALL NONE-CURRENT CARRYING PARTS OF ELECTRICAL APPLIANCES DEVICES SHALL BE PROVIDED WITH PERMANENT PLUGS.
4. ALL ELECTRICAL MATERIALS AND FIXTURES SHALL BE FREE FROM DEFECTS.
5. NECESSARY BOXES,FITTINGS,ETC. SHALL BE PROVIDED AS REQUIRED ,EVEN IF NOT SHOWN IN THE DRAWINGS.
6. ALL ELECTRICAL INSTALLATIONS SHALL BE DONE BY EXPERIENCE ELECTRICIAN WITH THE DIRECT SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER.

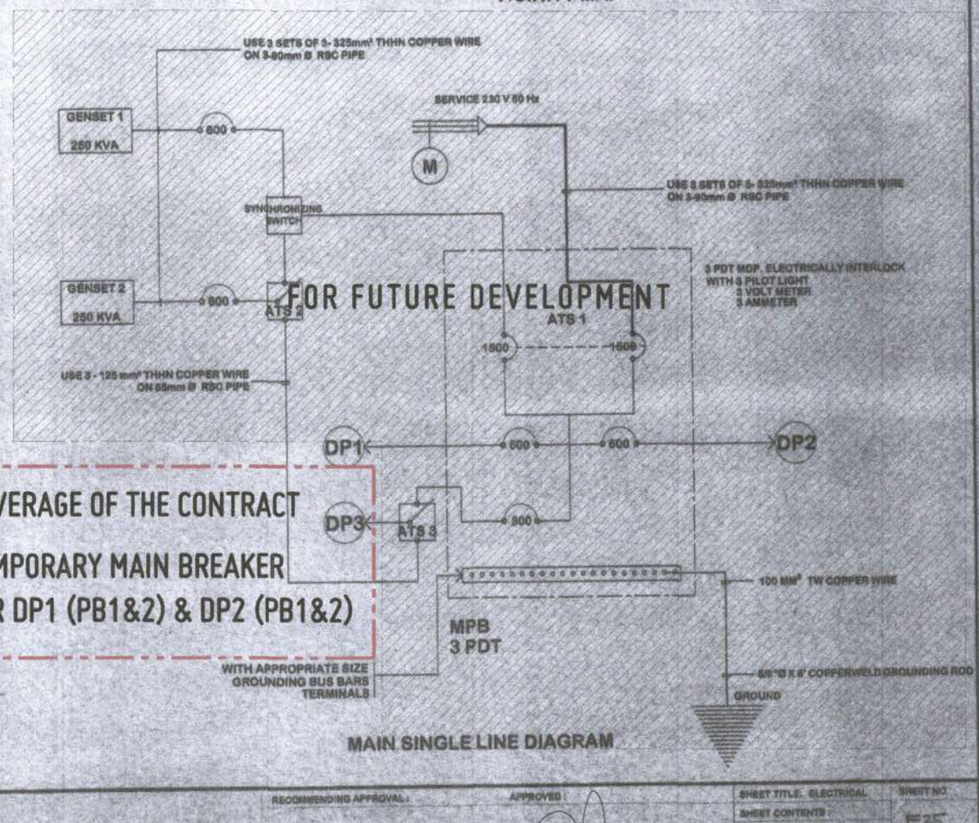
LEGENDS:

- LIGHTING OUTLET
- GARDEN LAMP
- CEILING FAN
- TWO-GANG CONVENIENCE OUTLET
- MAIN PANEL BOARD (MPB)
- DISTRIBUTION PANEL (DP)
- PANEL BOARD (PB)
- CIRCUIT BREAKER
- ELECTRIC METER
- SERVICE ENTRANCE
- GROUND LINE
- S_1 SINGLE GANG SWITCH
- S_2 TWO - GANG SWITCH
- S_3 THREE - GANG SWITCH
- S_{3W} THREE - WAY SWITCH
- CIRCUIT HOME RUN
- RISER
- AIR CONDITIONING UNIT
- EMERGENCY LAMP
- CP CENTRIFUGAL PUMP
- FP FIRE PUMP
- JP JOCKEY PUMP
- BP BOOSTER PUMP
- ATS AUTOMATIC TRANSFER SWITCH



COVERAGE OF THE CONTRACT

TEMPORARY MAIN BREAKER
FOR DP1 (PB1&2) & DP2 (PB1&2)



MAIN SINGLE LINE DIAGRAM

REPUBLIC OF THE PHILIPPINES
MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

C.M. Recto Avenue, Lapasan, 9000 Cagayan de Oro City
Tel. Nos. (08822) 72-09-09 / (088) 856-1738 / 858-1738 Tele Fax (088) 856-1696
Web Site : www.mpsc.com.edu

PREPARED BY:

DR. AMBROSIO B. CULTURA II
PROF./ELECTRICAL ENGINEER
PRC REG. NO. : 0 037 PTR NO. : 3096279
TIN NO. : 181 877 087 DATE ISSUED: 1/8/16

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER: MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL:

ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED:

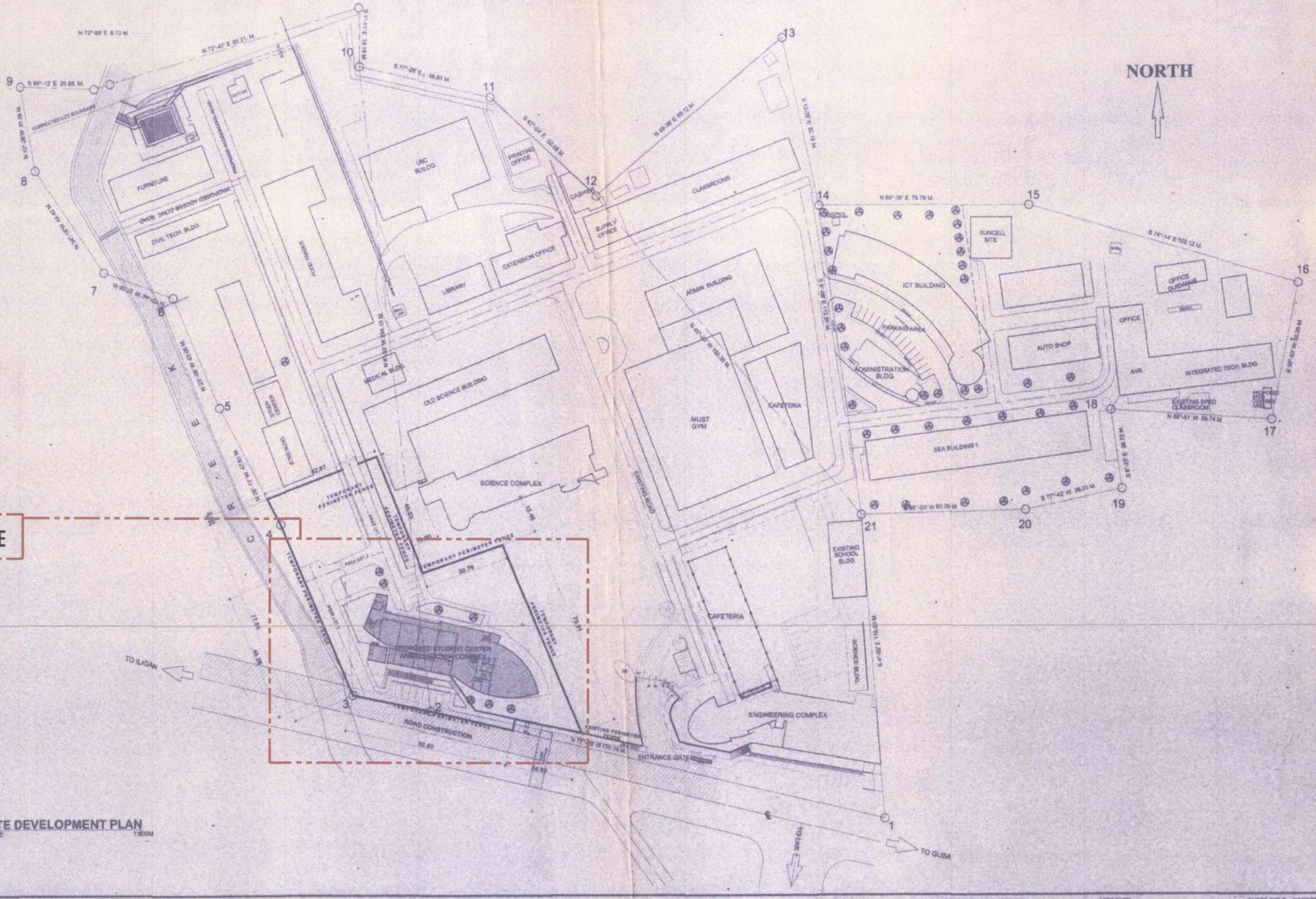
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: ELECTRICAL

SHEET CONTENTS:
- SCHEDULE OF LOADS AND DESIGN COMPUTATION
- MAIN SINGLE LINE DIAGRAM
- LEGENDS
- SPECIFICATIONS
- USER DIAGRAM
- VICINITY MAP

SHEET NO. E25 E25

131
198



SITE DEVELOPMENT PLAN
SCALE: 1:800M

REPUBLIC OF THE PHILIPPINES
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PREPARED BY:
JANETH ENGRACIA - SADORA
Geodetic Engineer
PRC No. 4597 Date: 2-27-97
TIN: 133-311-940
GEODETIC ENGINEER
PRC NO.: 4597 PTR NO.: 3046030 LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
TIN NO.: DATE ISSUED: 1-5-16 OWNER: MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

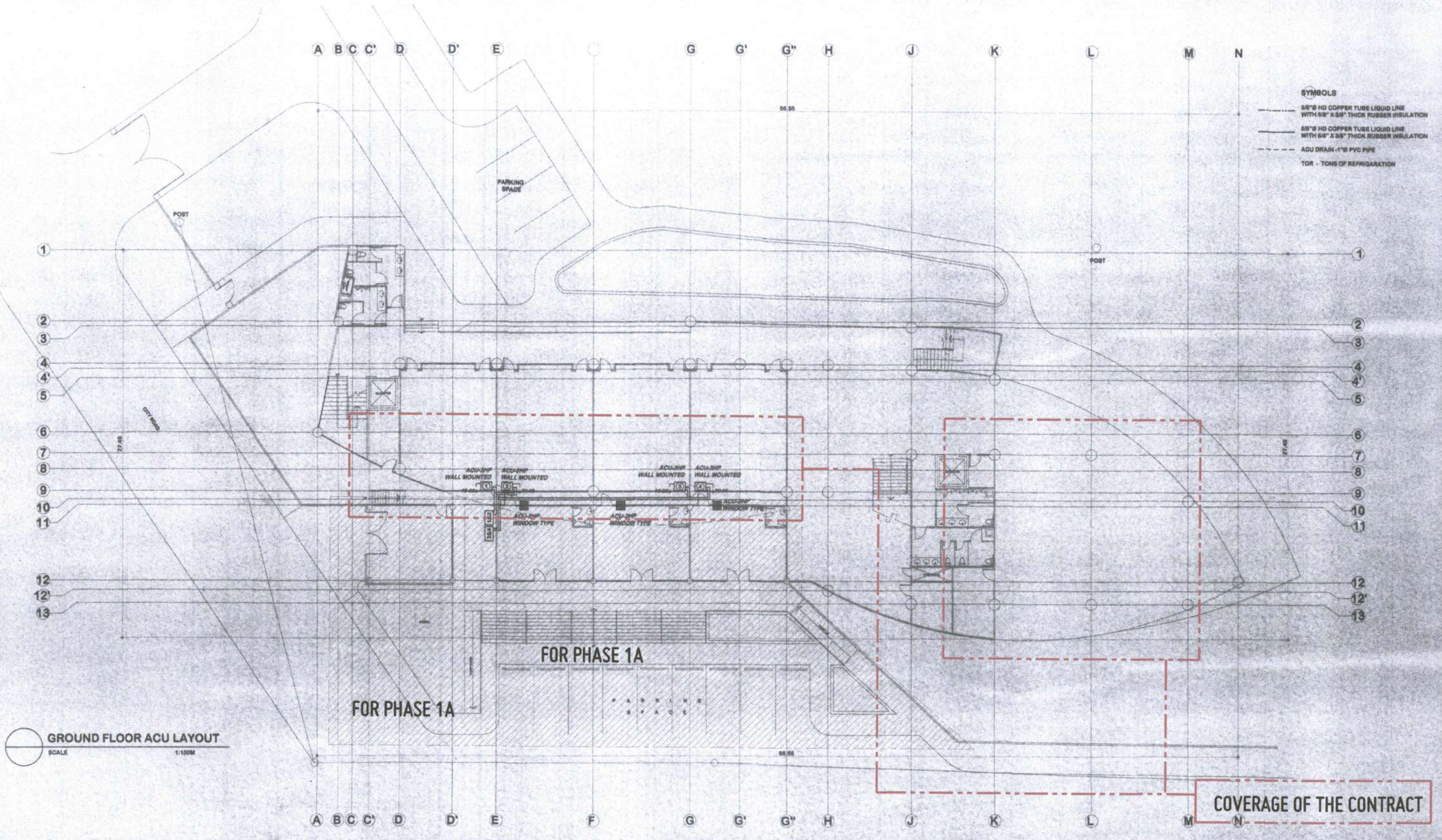
PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**

RECOMMENDING APPROVAL:
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED:
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: GEODETIC
SHEET CONTENTS:
SHEET NO.: G1 G1

2
198



GROUND FLOOR ACU LAYOUT
SCALE 1:150M

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MINDANAO UNIVERSITY OF SCIENCE & TECHNOLOGY

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PREPARED BY:

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PRC REG. NO. : 2 850 | PTR NO. : 4084720
TIN : 131 431 377 | DATE ISSUED: 01-26-15

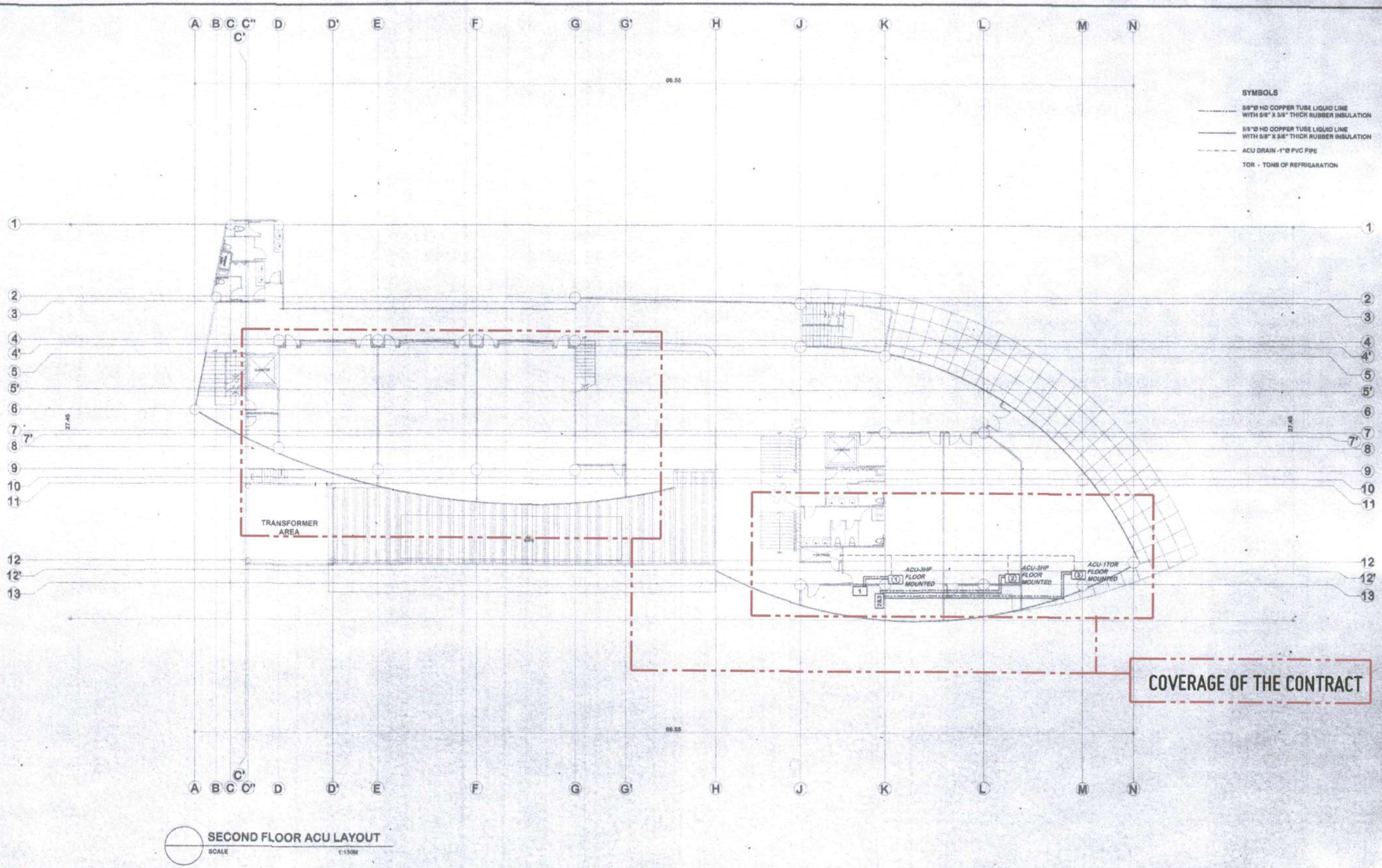
PROJECT : **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**
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RECOMMENDING APPROVAL :
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED :
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: MECHANICAL
SHEET CONTENTS :
GROUND FLOOR ACU LAYOUT

SHEET NO.
M13
M22
168
197



SECOND FLOOR ACU LAYOUT
SCALE 1:150M

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DIRECTOR, ADMINISTRATION

APPROVED :
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: MECHANICAL
SHEET CONTENTS :
SECOND FLOOR ACU LAYOUT

SHEET NO.
M14
M22
169
198