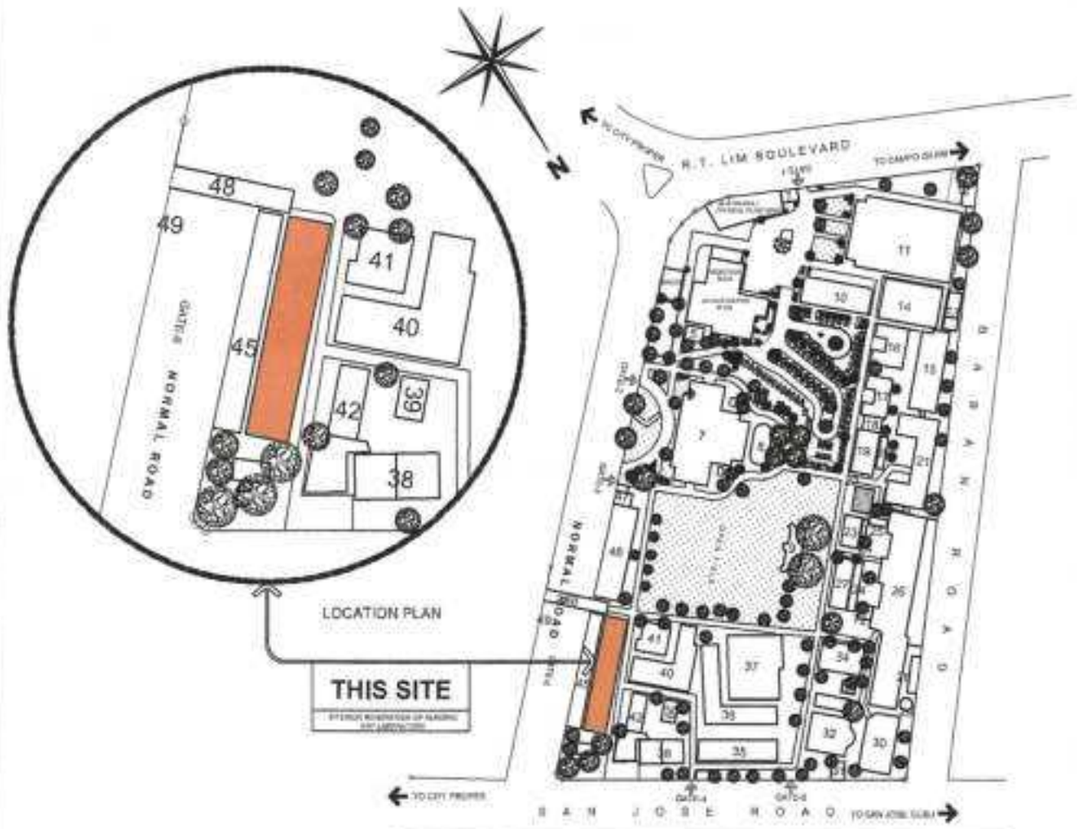

MASTER DEVELOPMENT PLAN
SCALE NTS

INTERIOR PERSPECTIVE
NURSE STATION

INTERIOR PERSPECTIVE SECOND
FLOOR TRIAGE

INTERIOR PERSPECTIVE
NURSING ART LABORATORY

INTERIOR PERSPECTIVE
NURSING ART LABORATORY

INTERIOR PERSPECTIVE SECOND
FLOOR HALLWAY

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REPUBLIC OF THE PHILIPPINES

D P W H

OFFICE OF THE BUILDING OFFICIALS
ZAMBOANGA CITY

LAND USE AND ZONING

LINE AND GRADE

ARCHITECTURAL

STRUCTURAL

SANITARY

ELECTRICAL

ARCH. JOSEPH ANDREW L. SAHIAL, UAP
UNIVERSITY ARCHITECT
PRC: 0051557 | PTR: 2344033 | TIN: 445013228

PROJECT TITLE
RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES
LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY

REQUISITIONER
HASHIM N. ALAWI JR., RN,MAN
DEAN, COLLEGE OF NURSING

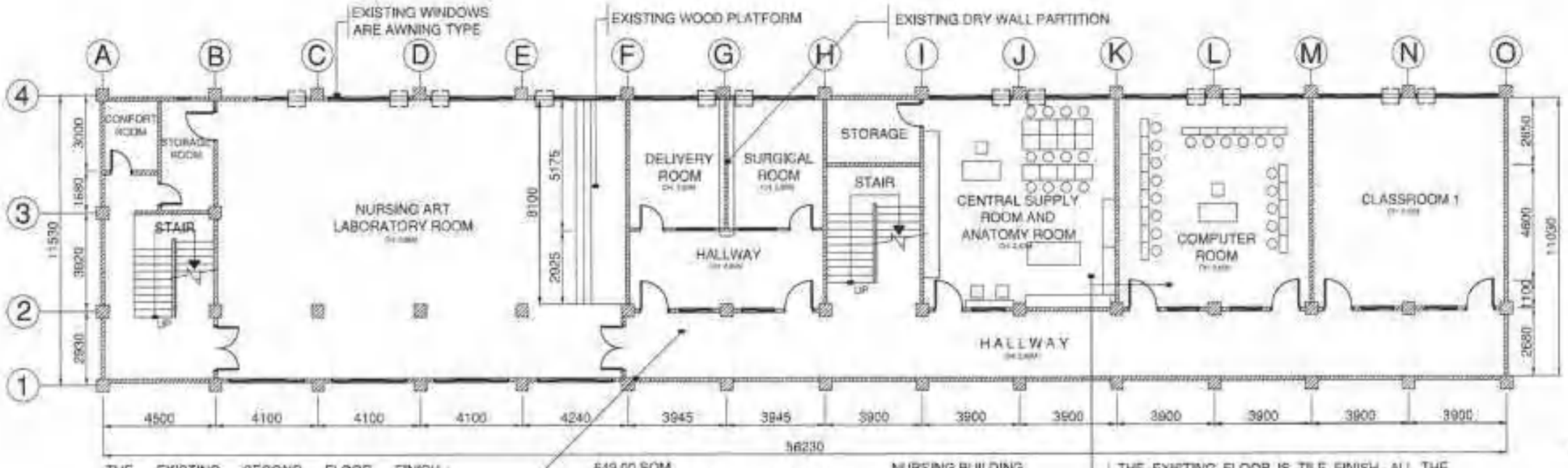
RECOMMENDING APPROVAL
ARCH. JOSEPH ANDREW L. SAHIAL, UAP
DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES
PRC: 0051557 | PTR: 2344035 | TIN: 445013228

RECOMMENDING APPROVAL
DR. JOSELITO D. MADROÑAL
VICE PRESIDENT FOR ADMIN AND FINANCE

APPROVED BY
DR. MA. CARLA A. OCHOTORENA
WMSU PRESIDENT

SHEET CONTENT: MASTER DEVELOPMENT PLAN, LOCATION PLAN, INTERIOR PERSPECTIVES
DRAWN BY:
CHECKED:

SHEET NO. A1 | 01 | 21



THE EXISTING SECOND FLOOR FINISH INCLUDING THE EXISTING STAIRS AND SOME ROOMS IS RED CEMENT.THE EXISTING WALL IS PAINTED HOWEVER IT IS ALREADY FADED AND NEEDS TO BE REPAINTED.

649.00 SQM NURSING BUILDING

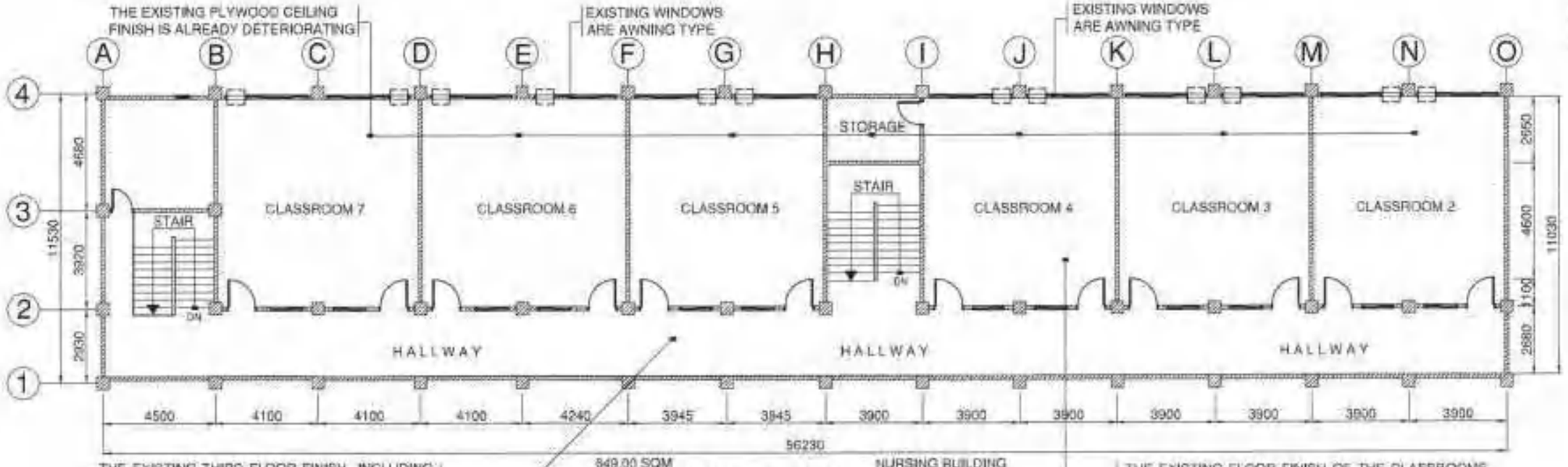
EXISTING SECOND FLOOR PLAN

SCALE 1:200MTRS

THE EXISTING FLOOR IS TILE FINISH. ALL THE INTERIOR WALLS AND CEILING ARE PAINTED HOWEVER IT IS ALREADY FADED AND NEEDS TO BE REPAINTED. (INCLUDING AT THE WALL OF STAIRCASE).

NOTE:

ALL THE EXISTING FLOOR TILES, CEILING JOIST, AIRCONDITIONING UNIT DOORS, WINDOWS AND OTHER MATERIALS AND FIXTURES THAT ARE IN THE BUILDING AT SECOND AND THIRD FLOOR MUST BE PULLED DOWN AND TURN OVER TO WMSU PHYSICAL PLANT & ENGINEERING SERVICES FOR PROPER TURN OVER TO PROPERTY MANAGEMENT OFFICE.



THE EXISTING THIRD FLOOR FINISH INCLUDING THE EXISTING STAIRS IS RED CEMENT.THE EXISTING WALL IS PAINTED HOWEVER IT IS ALREADY FADED AND NEEDS TO BE REPAINTED.

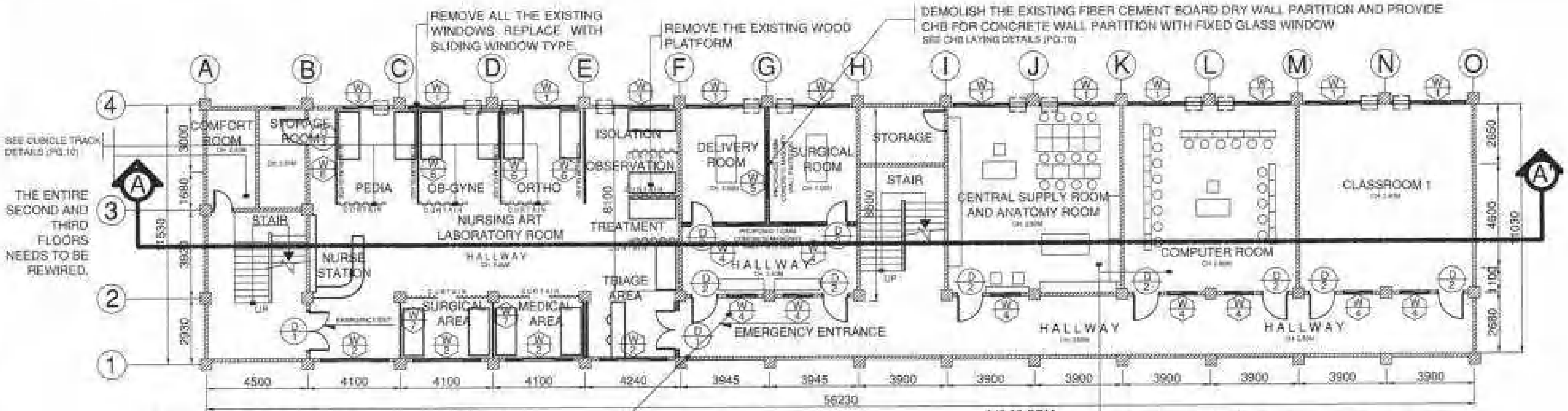
849.00 SQM NURSING BUILDING

EXISTING THIRD FLOOR PLAN

SCALE 1:200MTRS

THE EXISTING FLOOR FINISH OF THE CLASSROOMS IS RED CEMENT,THE EXISTING WALL IS PAINTED HOWEVER IT IS ALREADY FADED AND NEEDS TO BE REPAINTED.

ARCH. JOSEPH ANDREW L. SAHIAL, UAP UNIVERSITY ARCHITECT PRC: 0051057 PTR: 2344835 TIN: 445013228	PROJECT TITLE: RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY	REQUESTIONER HASHIMA, ALAWI JR. RN MAN DEAN, COLLEGE OF NURSING	RECOMMENDING APPROVAL ARCH. JOSEPH ANDREW L. SAHIAL, UAP DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES PRC: 0051057 PTR: 2344835 TIN: 445013228	RECOMMENDING APPROVAL DR. JOSELITO D. MADRIÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	APPROVED BY DR. MA. CARLA A. OCHOTORENA WMSU PRESIDENT	SHEET CONTENT SECOND FLOOR EXISTING PLAN THIRD FLOOR EXISTING PLAN DRAFTED BY: TMMS	SHEET NO. A2 02 21	



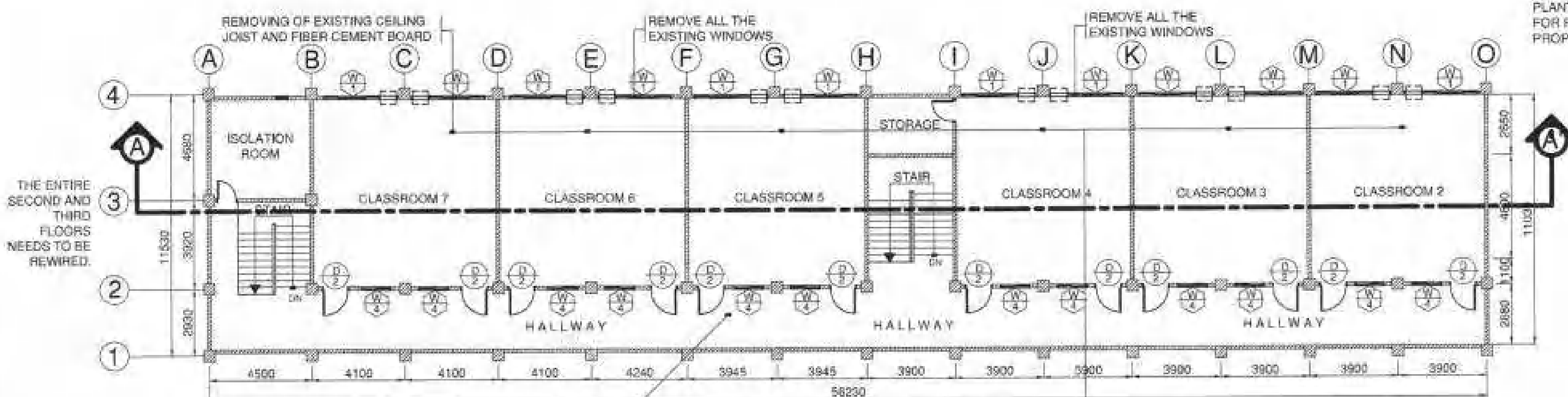
REMOVE THE OLD RED CEMENT FINISH IN ORDER TO INSTALL NEW TILES (FOR THE THREAD, LANDING, AND RISER) AND REPAINT THE ENTIRE INTERIOR. (INCLUDING THE WALL AT THE STAIRCASE).

649.00 SQM
PROPOSED SECOND FLOOR PLAN
SCALE 1:200MTRS

REMOVE THE OLD TILES AND CHIP OFF THE OLD TILE ADHESIVE. INSTALL NEW TILES AND REPAINT ALL THE INTERIOR WALLS AND CEILING.(INCLUDING THE WALL AT STAIRCASE).

NOTE:

ALL THE EXISTING FLOOR TILES, CEILING JOIST, AIRCONDITIONING UNIT DOORS, WINDOWS AND OTHER MATERIALS AND FIXTURES THAT ARE IN THE BUILDING AT SECOND AND THIRD FLOOR MUST BE PULLED DOWN AND TURN OVER TO WMSU PHYSICAL PLANT & ENGINEERING SERVICES FOR PROPER TURN OVER TO PROPERTY MANAGEMENT OFFICE.

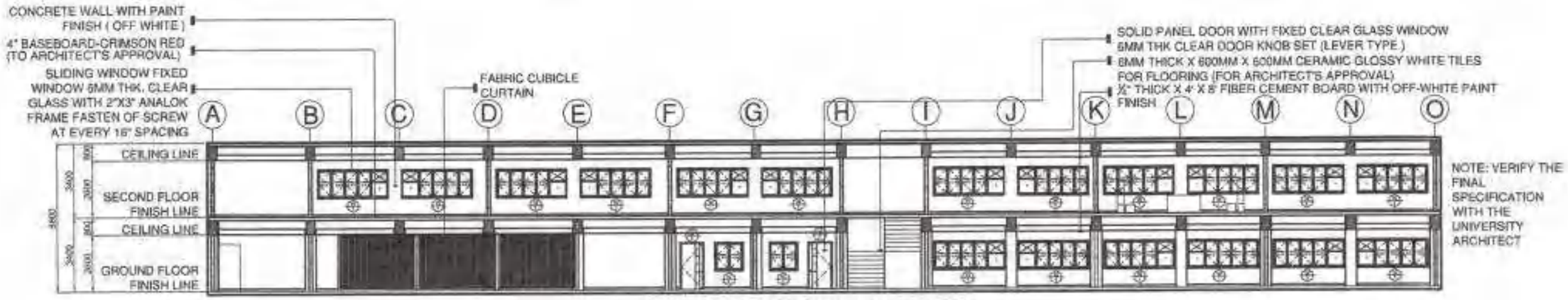


REMOVE THE OLD RED CEMENT FINISH IN ORDER TO INSTALL NEW TILES INCLUDING THE STAIRS AND REPAINT THE ENTIRE INTERIOR. (INCLUDING ON THE WALL OF THE STAIRCASE).

649.00 SQM
PROPOSED THIRD FLOOR PLAN
SCALE 1:200MTRS

REMOVE THE OLD RED CEMENT IN ORDER TO INSTALL NEW TILES AND REPAINT THE ENTIRE INTERIOR. (INCLUDING ON THE WALL OF THE STAIRCASE).

	PROJECT TITLE	REQUISITIONER	RECOMMENDING APPROVAL	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENT	SHEET NO.
ARCH. JOSEPH ANDREW L. SAHIAL, UAP UNIVERSITY ARCHITECT	RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES	HASHIM N. ALAWI JR., RN, MAN DEAN, COLLEGE OF NURSING	ARCH. JOSEPH ANDREW L. SAHIAL, UAP DIRECTOR FOR PHYSICAL PLANT AND ENGINEERING SERVICES	DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	DR. MA. CARLA A. OCHOTORENA WMSU-PRESIDENT	PROPOSED SECOND FLOOR PLAN PROPOSED THIRD FLOOR PLAN	A3 03 21
PRC: 0031... PTR: 2344... TIN: 445013228	LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY		PRC: 0031... PTR: 2344... TIN: 445013228			DRAFTED BY:	



LONGITUDINAL SECTION
SCALE 1:200MTRS

NOTE: VERIFY THE FINAL SPECIFICATION WITH THE ARCHITECT

SCHEDULE OF FINISHES : SECOND FLOOR

AREA/ROOM	AREA	FLOOR FINISH	INTERIOR WALL FINISH	CEILING FINISH
NURSING LABORATORY ROOM	87.08 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE & TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
DELIVERY ROOM	142.244 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE & TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
SURGICAL ROOM	21.00 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE & TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
HALLWAY	126.90 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE & TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
STAIR WELL (CENTER)	15.60 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE & TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
STAIR WELL (LEFT SIDE)	16.25 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE & TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
CENTRAL SUPPLY ROOM AND ANATOMY ROOM	67.08 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE & TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
COMPUTER ROOM	67.08 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE & TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
WAITING AREA	67.08 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE & TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
STORAGE ROOM	6.16 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE & TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
COMFORT ROOM	6.16 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE & TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH

NOTE: VERIFY THE FINAL SPECIFICATION WITH THE ARCHITECT

SCHEDULE OF FINISHES : THIRD FLOOR

AREA/ROOM	AREA	FLOOR FINISH	INTERIOR WALL FINISH	CEILING FINISH
CLASSROOM 3	67.08 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE &TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
CLASSROOM 4	67.08 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE &TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
CLASSROOM 5	67.08 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE &TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
CLASSROOM 6	67.08 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE &TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
CLASSROOM 7	67.08 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE &TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
CLASSROOM 8	67.08 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE &TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
STAIR WELL (CENTER)	15.60 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE &TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
STAIR WELL (LEFT SIDE)	16.25 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE &TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
HALLWAY	169.30 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE &TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH
COMFORT ROOM	169.30 SQM	6MM THICK X 600MM X 600MM CERAMIC GLOSSY WHITE TILES W/ TILE ADHESIVE &TILE GROUT	OFF WHITE SEMI-GLOSS PAINT FINISH WITH 4" BASE BOARD (TILE RED)	3.5MM THK. FIBER CEMENT BOARD ON METAL FRAMING SYTEM FINISH W/ OFF WHITE LATEX PAINT FINISH

ARCH. JOSEPH ANDREW L. SAHIAL, UAP
UNIVERSITY ARCHITECT
PRC: 0001657 | PTR: 2344805 | TIN: 445013226

PROJECT TITLE
RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES
LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY

REQUESTIONER
HASHIM N. ALAWI JR., RN,MAN
DEAN, COLLEGE OF NURSING

RECOMMENDING APPROVAL
ARCH. JOSEPH ANDREW L. SAHIAL, UAP
DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES
PRC: 0001657 | PTR: 2344805 | TIN: 445013226

RECOMMENDING APPROVAL
DR. JOSELITO D. MADRONAL
VICE PRESIDENT FOR ADMIN AND FINANCE

APPROVED BY
DR. MA. CARIDA A. OCHOTORENA
UNIVERSITY PRESIDENT

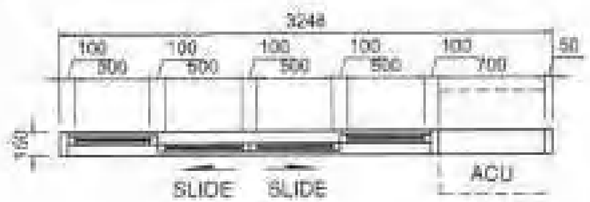
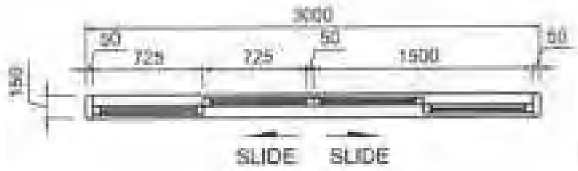
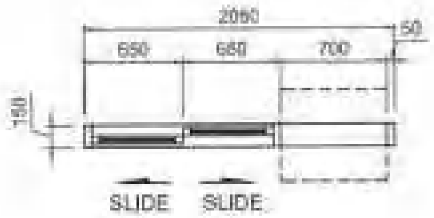
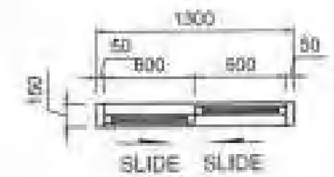
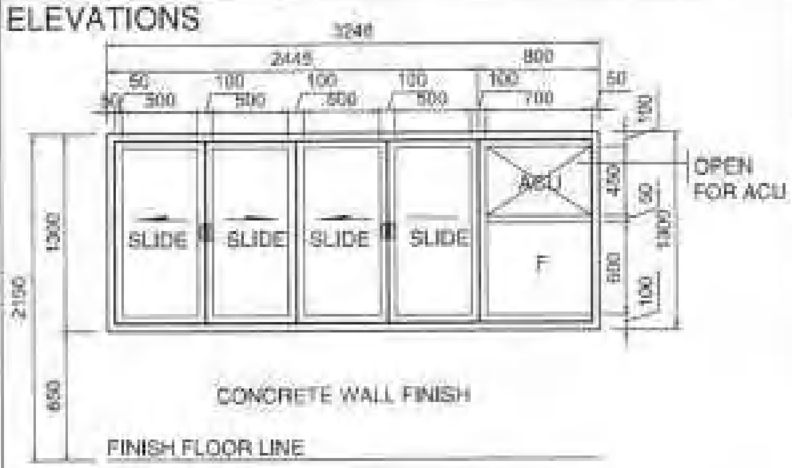
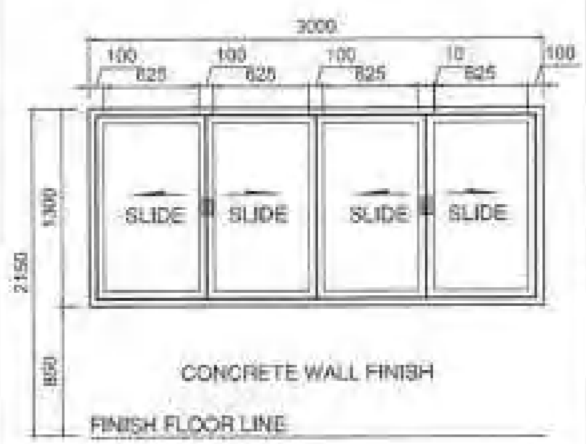
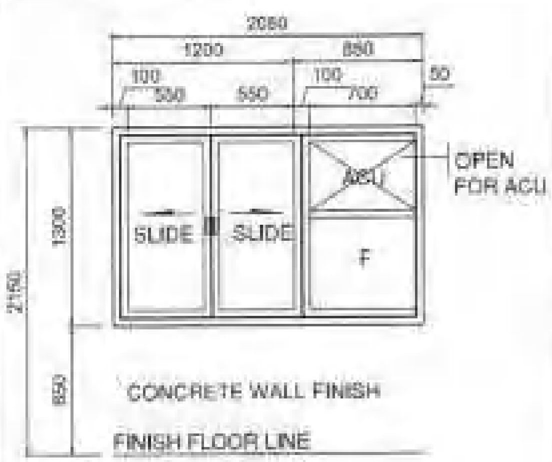
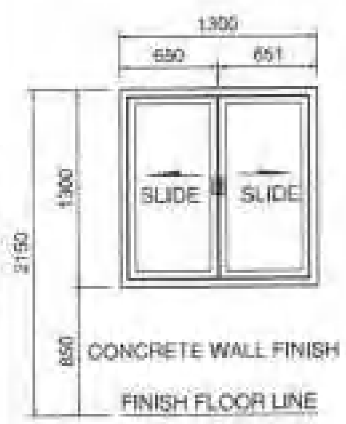
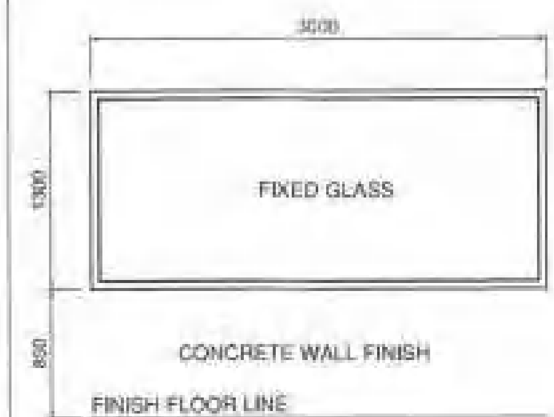
SHEET CONTENTS
LONGITUDINAL SECTION
SCHEDULE OF FINISHES
SECOND AND THIRD

DRAWING NO.

SHEET NO.
A4
04 | 21

NOTE: VERIFY THE FINAL SPECIFICATION WITH THE UNIVERSITY ARCHITECT

SCHEDULE OF GLASS AND WINDOWS

PLAN					
DESIGNATION	W 1	W 2	W 3	W 4	W 5
NO. OF SETS	23 SETS	4 SETS	1 SET	21 SETS	1 SET
LOCATION	NURSING ART LABORATORY, DELIVERY, SURGICAL, CENTRAL SUPPLY ROOM AND ANATOMY ROOM, COMPUTER ROOM, CLASSROOM 1 TO 7	EMERGENCY EXIT, SURGICAL AREA, MEDICAL AREA, TRIAGE AREA	PEDIA AREA	CLASSROOM 1 TO 7, COMPUTER ROOM, CENTRAL SUPPLY ROOM AND ANATOMY ROOM, SURGICAL, DELIVERY AND HALLWAY	DELIVERY AND SURGICAL ROOM
ELEVATIONS					
MATERIAL DESCRIPTION	SLIDING WINDOW FIXED WINDOW 6MM THICK CLEAR GLASS WITH 2"X3" ANALOK ALUMINUM FRAME FASTEN OF SCREW @ EVERY 16" SPACING	SLIDING WINDOW FIXED WINDOW 6MM THICK CLEAR GLASS WITH 2"X3" ANALOK ALUMINUM FRAME FASTEN OF SCREW @ EVERY 16" SPACING	SLIDING WINDOW FIXED WINDOW 6MM THICK CLEAR GLASS WITH 2"X3" ANALOK ALUMINUM FRAME FASTEN OF SCREW @ EVERY 16" SPACING	SLIDING WINDOW FIXED WINDOW 6MM THICK CLEAR GLASS WITH 2"X3" ANALOK ALUMINUM FRAME FASTEN OF SCREW @ EVERY 16" SPACING	FIXED WINDOW 6MM THICK CLEAR GLASS WITH 2"X3" ANALOK ALUMINUM FRAME FASTEN OF SCREW AT EVERY 16" SPACING

ARCH. JOSEPH ANDREW L. SAHIAL, UAP
UNIVERSITY ARCHITECT

PROJECT TITLE
RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES
LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY

REQUISITIONER: HASHIM R. ALAWI JR, RN, MAN

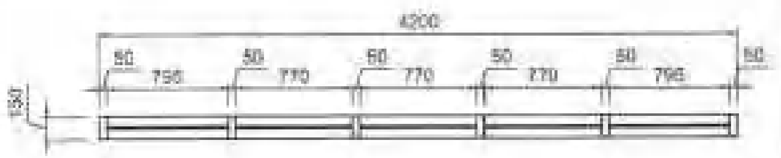
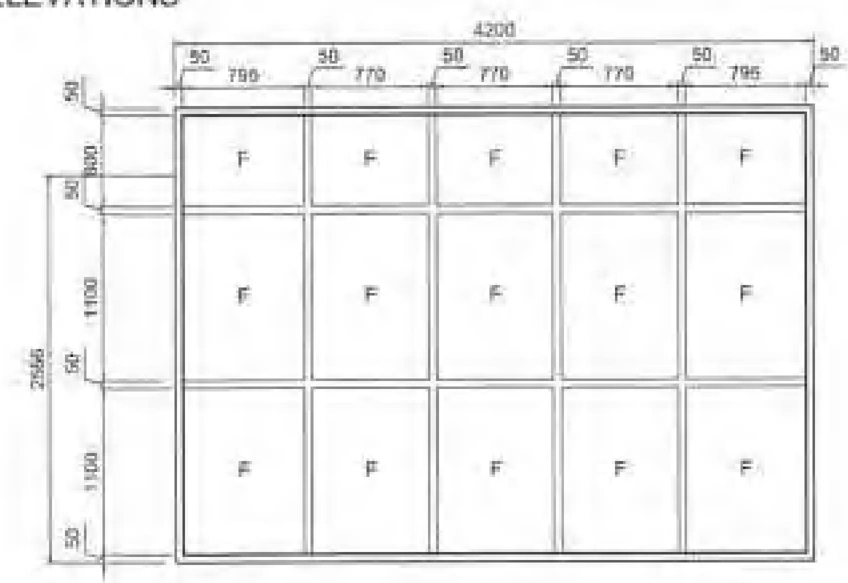
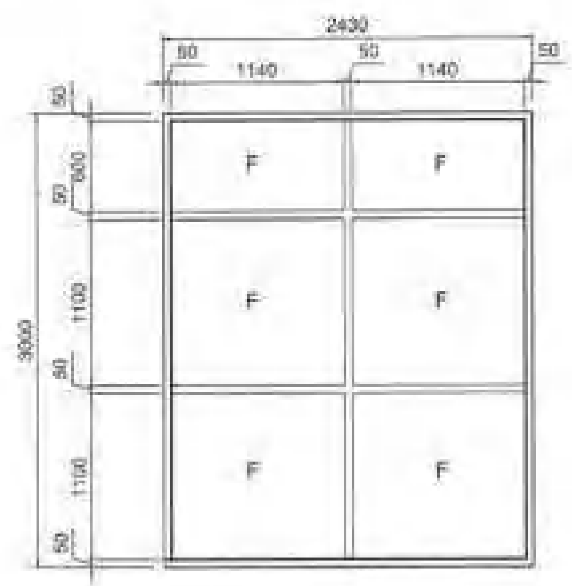
RECOMMENDING APPROVAL: ARCH. JOSEPH ANDREW L. SAHIAL, UAP

RECOMMENDING APPROVAL: DR. JOSELITO D. MADRONAL

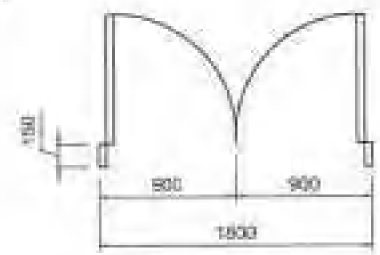
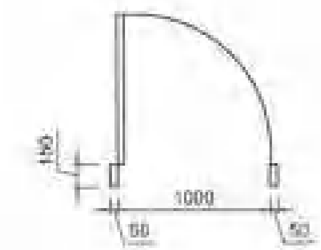
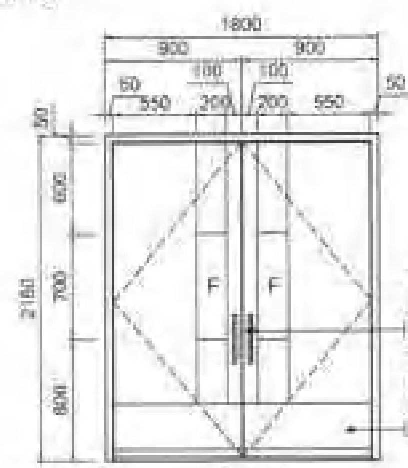
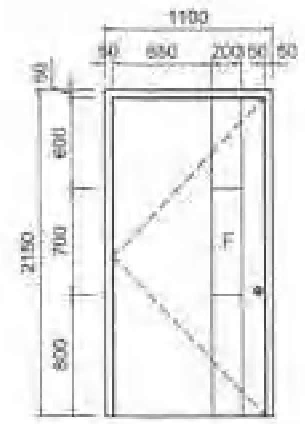
APPROVED BY: DR. MA. CARLA A. OCHOTORENA

SHEET NO.: A5 05 21

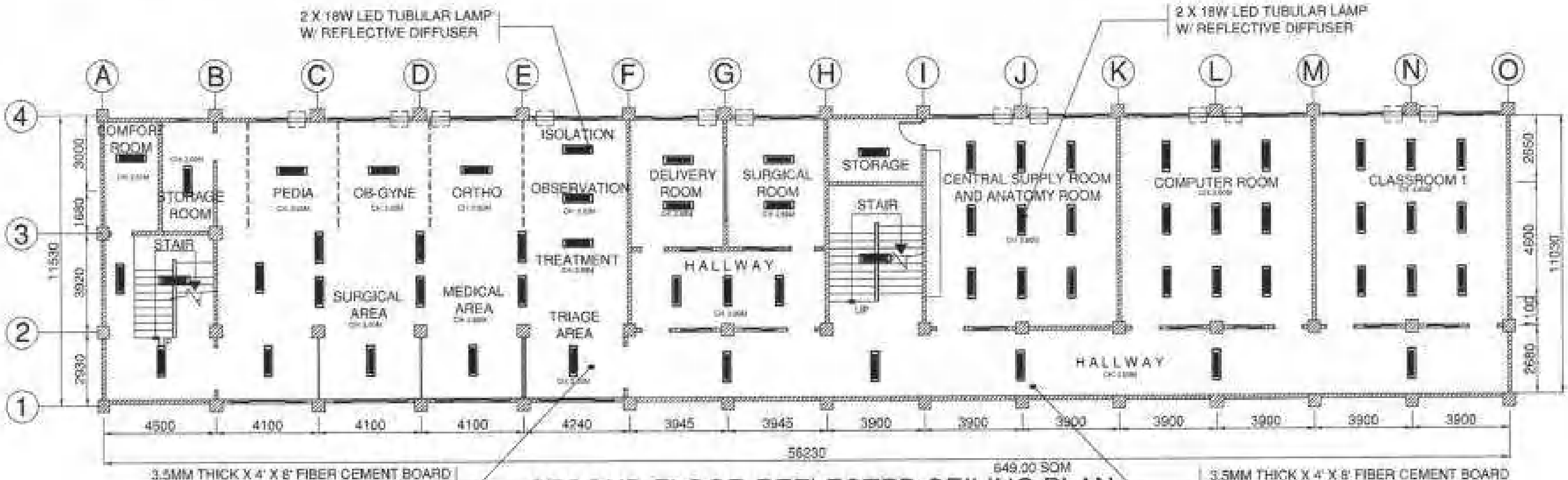
SCHEDULE OF GLASS AND WINDOWS

PLAN		
DESIGNATION	W 6	W 7
NO. OF SETS	4 SETS	2 SETS
LOCATION	PEDIA, OB-GYNE AND ORTHO	SURGICAL AND MEDICAL AREA
ELEVATIONS		
MATERIAL DESCRIPTION	FIXED GLASS WINDOW 6MM THICK CLEAR GLASS WITH 2"X3" ANALOK ALUMINUM FRAME FASTEN OF SCREW AT EVERY 16" SPACING	FIXED GLASS WINDOW 6MM THICK CLEAR GLASS WITH 2"X3" ANALOK ALUMINUM FRAME FASTEN OF SCREW AT EVERY 16" SPACING

DOOR SCHEDULE

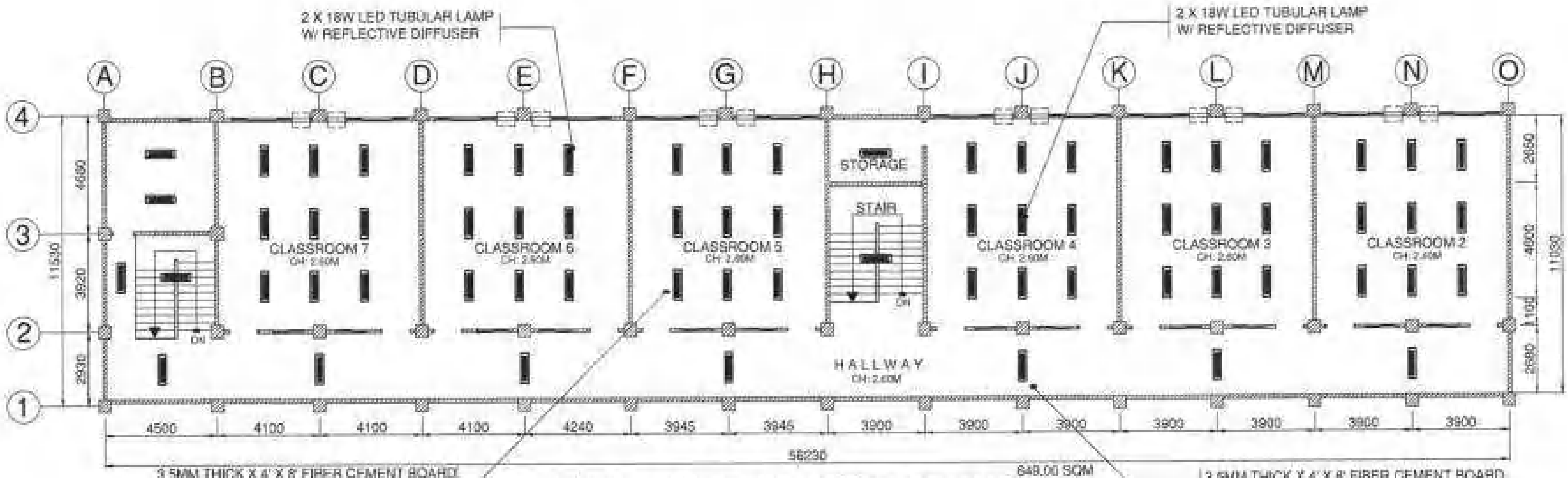
PLAN		
DESIGNATION	D 1	D 2
NO. OF SETS	2 SETS	19 SETS
LOCATION	NURSING ART LABORATORY	DELIVERY ROOM,SURGICAL ROOM, CLASSROOM 1-7
ELEVATIONS	 1 ½" GI PIPE HANDLE WITH LOCK ATTACHED TO PANEL DOOR (FABRICATED) ALUMINUM KICK PLATE	
MATERIAL DESCRIPTION	AUTOMATIC DOUBLE SWING PANEL DOOR WITH FIXED GLASS WINDOW 6MM THICK CLEAR GLASS AND ALUMINUM KICK PLATE	SOLID PANEL DOOR WITH FIXED GLASS WINDOW 6MM THICK CLEAR DOOR KNOB SET (LEVEL TYPE)

ARCH. JOSEPH ANDREW L. SAHIAL, UAP UNIVERSITY ARCHITECT	PROJECT TITLE RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES	REQUISITIONER HASHIM R. ALAWI JR., RN,MAN DEAN, COLLEGE OF NURSING	RECOMMENDING APPROVAL ARCH. JOSEPH ANDREW L. SAHIAL, UAP DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	RECOMMENDING APPROVAL DR. JOSELITO D. MADRORAL VICE PRESIDENT FOR ADMIN AND FINANCE	APPROVED BY DR. MA. CARLA A. OCHOTORENA WMSU PRESIDENT	SHEET CONTENT SCHEDULE OF DOORS AND WINDOWS DRAFTED BY:	SHEET NO. A6 06 21	
PRC: 00510357 / PTR: 2344835 / TIN: 445013228	LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY		PRC: 00510357 / PTR: 2344835 / TIN: 445013228					



SECOND FLOOR REFLECTED CEILING PLAN

SCALE 1:200MTRS

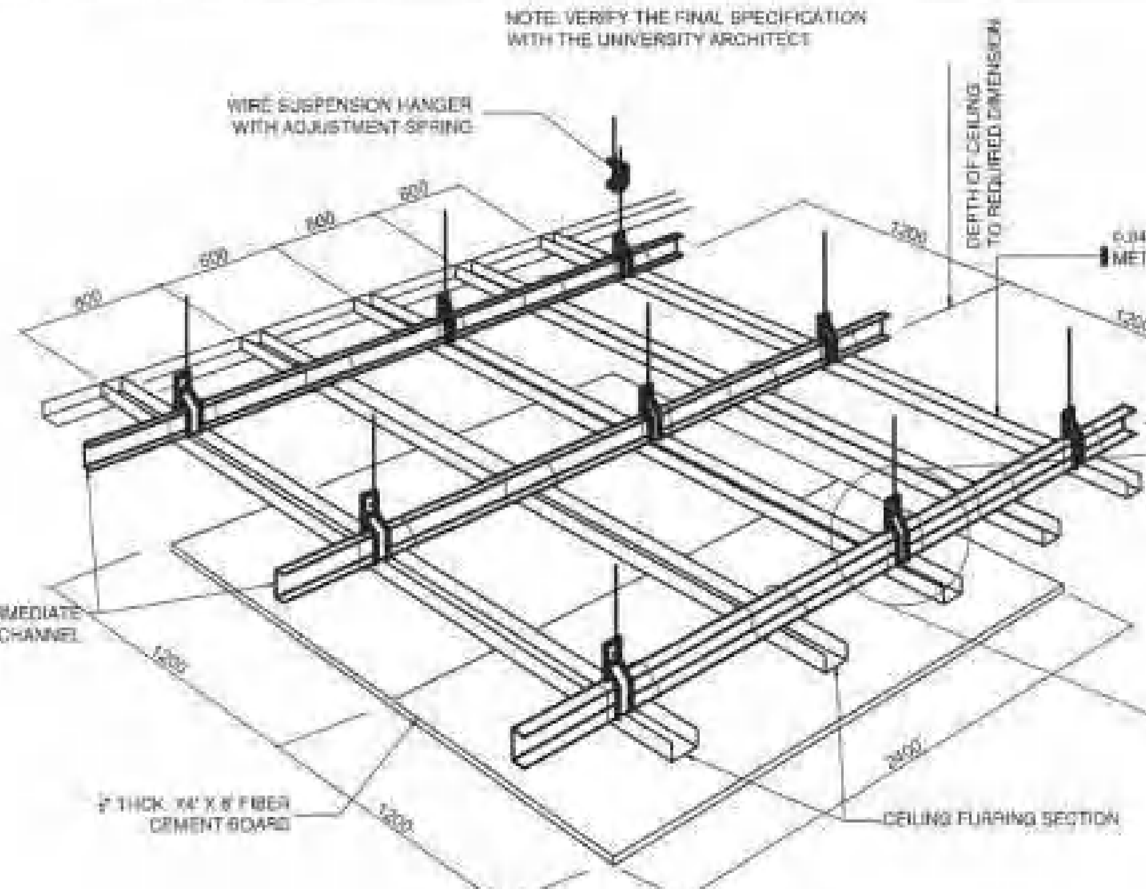


THIRD FLOOR REFLECTED CEILING PLAN

SCALE 1:200MTRS

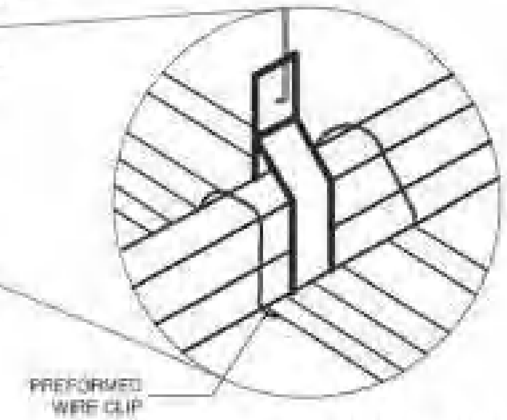
	PROJECT TITLE	REQUISITIONER	RECOMMENDING APPROVAL	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENT	SHEET NO.
ARCH. JOSEPH ANDREW L. SAHIAL, UAP UNIVERSITY ARCHITECT PRC: 0651 0557 · PTR: 2344835 · TIN: 445013228	RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY	HASHIM K. ALAWI JR., RN, MAN DEAN, COLLEGE OF NURSING	ARCH. JOSEPH ANDREW L. SAHIAL, UAP DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES PRC: 00510557 · PTR: 2344835 · TIN: 445013228	DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	DR. MA. CARLA A. OCHOTORENA WMSU PRESIDENT	SECOND FLOOR PLAN REFLECTED CEILING PLAN THIRD FLOOR PLAN REFLECTED CEILING PLAN DRAFTED BY:	A7 07 21

CEILING DETAILS



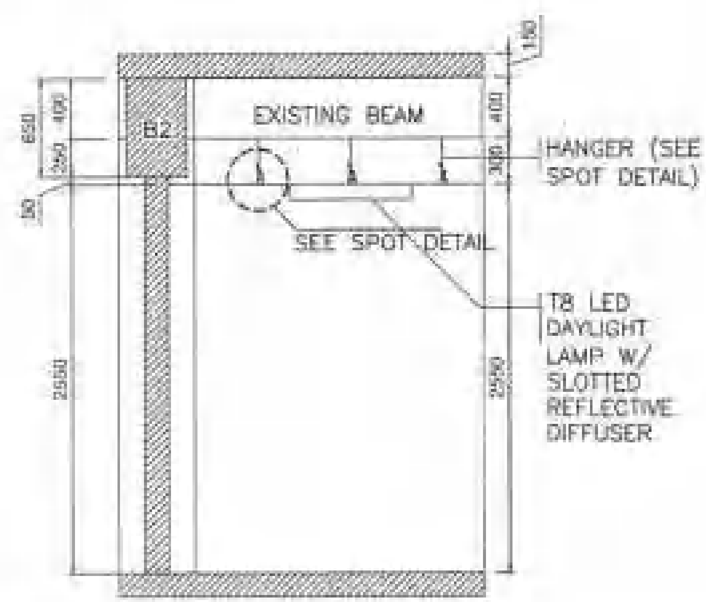
PERSPECTIVE (CEILING)

NOT TO SCALE



SPOT DETAIL

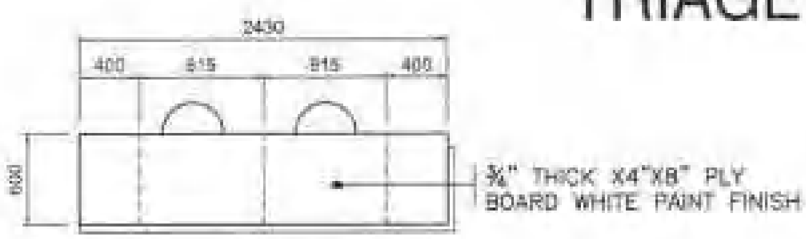
NOT TO SCALE



CEILING SECTION

SCALE 1:50MTRS

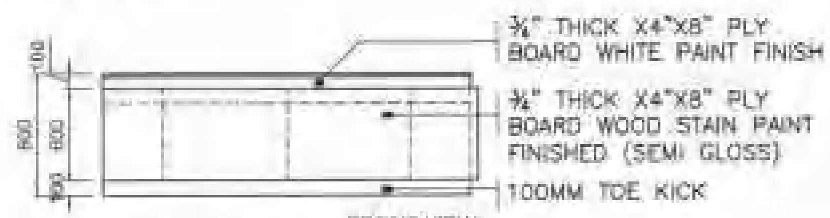
TRIAGE TABLE DETAILS



TRIAGE AREA

PLAN

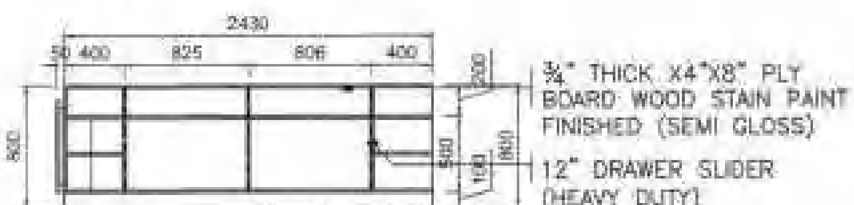
SCALE 1:50MTRS



FRONT VIEW

TABLE ELEVATION

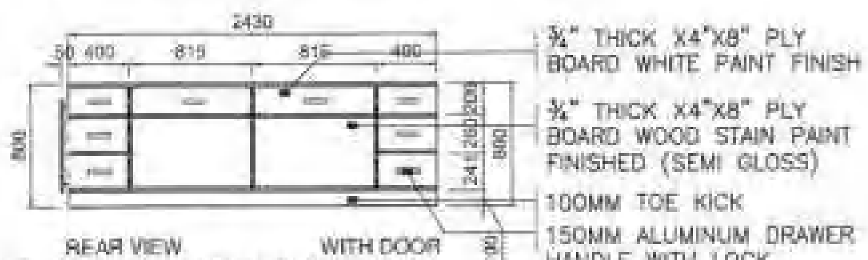
SCALE 1:50MTRS



WITHOUT DOOR

TABLE SECTION

SCALE 1:50MTRS



REAR VIEW WITH DOOR

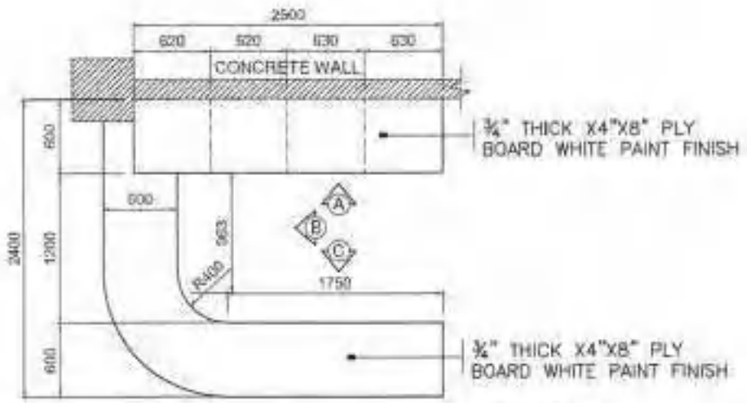
TABLE ELEVATION

SCALE 1:50MTRS

NOTE:
VERIFY THE FINAL SPECS WITH ARCHITECT

ARCH. JOSEPH ANDREW L. SAHIAL, UAP UNIVERSITY ARCHITECT	PROJECT TITLE RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES	REQUISITIONER HASHMY I. ALAWI-ME, RN, MAN	RECOMMENDING APPROVAL ARCH. JOSEPH ANDREW L. SAHIAL, UAP	RECOMMENDING APPROVAL DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	APPROVED BY DR. MA. CARLA A. OCHOTORENA	SHEET CONTENT DRAFTED BY:	SHEET NO. A8 08 21
PRC	LOCATION:		PRC / PTR / TIN				

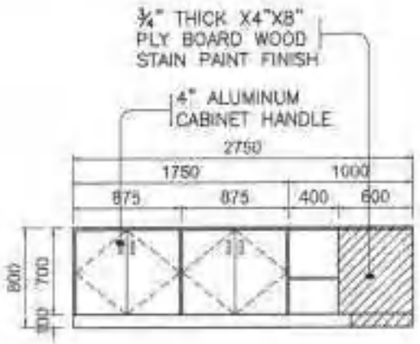
NURSE STATION COUNTER DETAILS



NURSE AREA

NURSE STATION COUNTER

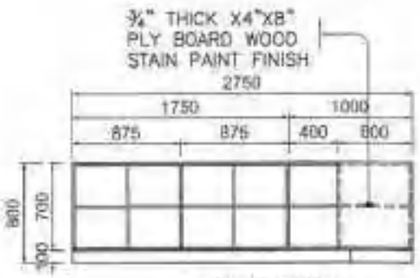
SCALE 1:50MTRS



WITH DOOR

ELEVATION C

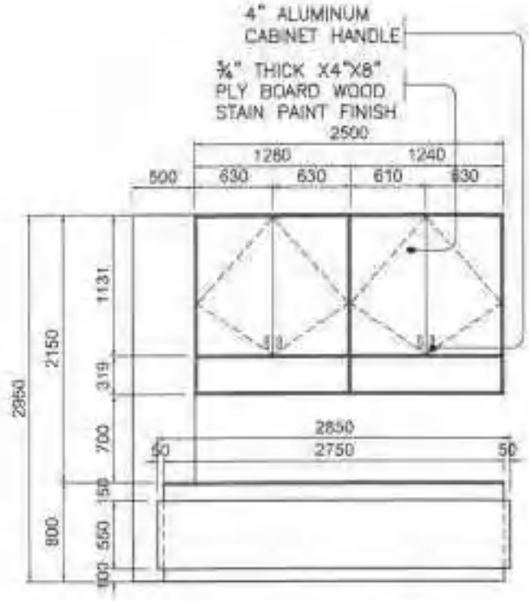
SCALE 1:50MTRS



WITHOUT DOOR

ELEVATION C

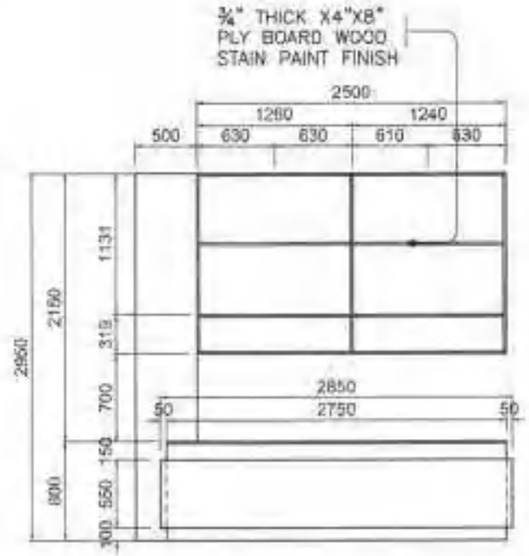
SCALE 1:50MTRS



WITH DOOR

ELEVATION A

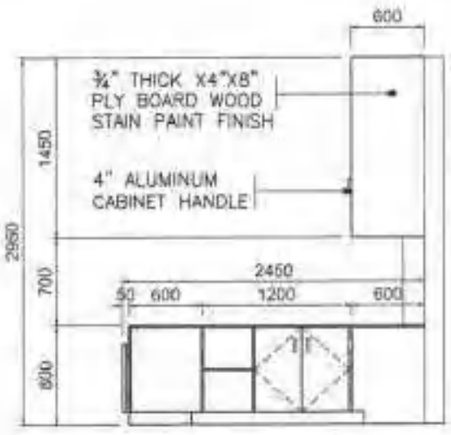
SCALE 1:50MTRS



WITHOUT DOOR

ELEVATION A

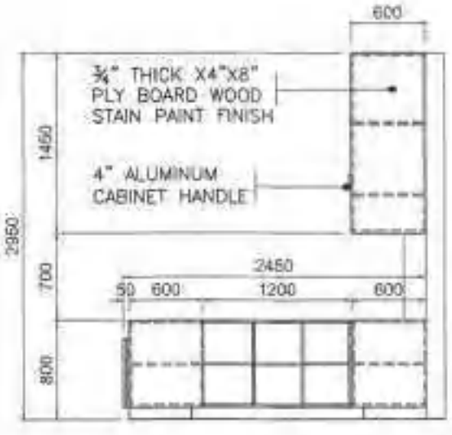
SCALE 1:50MTRS



WITH DOOR

ELEVATION B

SCALE 1:50MTRS



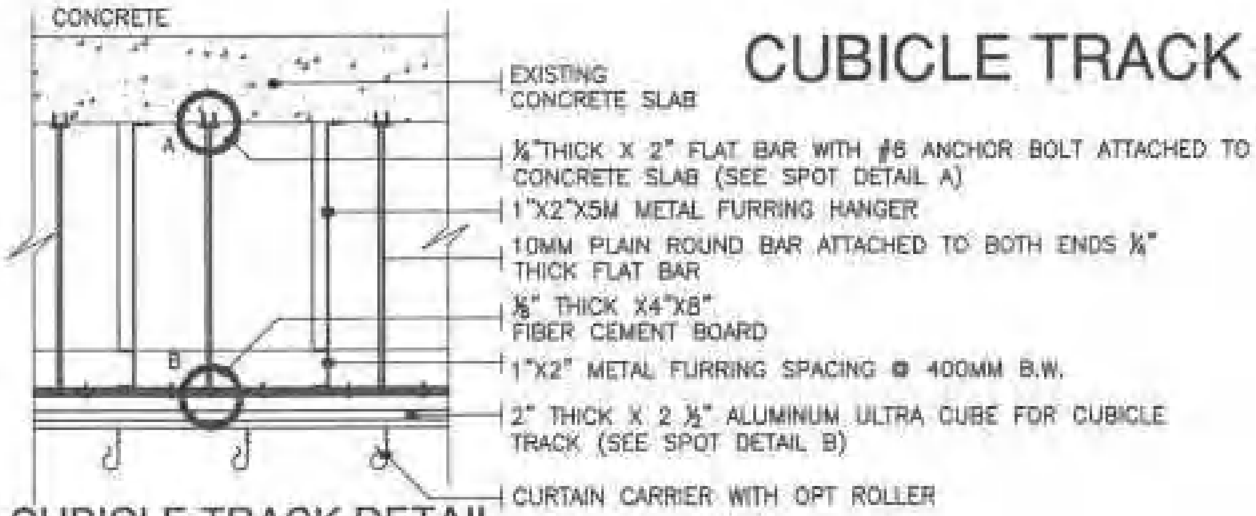
WITHOUT DOOR

ELEVATION B

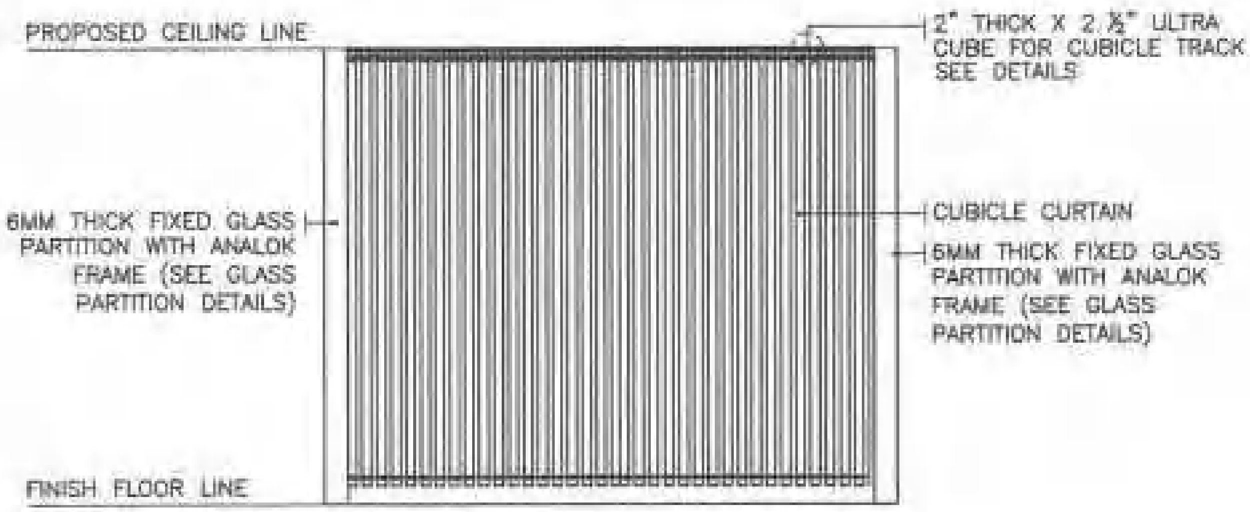
SCALE 1:50MTRS

ARCH. JOSEPH ANDREW L. SAHIAL, UAP UNIVERSITY ARCHITECT PRC: 0031087 PTR: 2344833 TIN: 443013228	PROJECT TITLE RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY	REQUESTIONER HASHIM N. ALAWI JR. RN,MAN DEAN, COLLEGE OF NURSING	RECOMMENDING APPROVAL ARCH. JOSEPH ANDREW L. SAHIAL, UAP DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES PRC: 0031087 PTR: 2344833 TIN: 443013228	RECOMMENDING APPROVAL DR. JOSELITO O. MADRONAL VICE PRESIDENT FOR ADMIN AND FINANCE	APPROVED BY DR. MA. CARLA A. OCHOTORENA VICE-PRESIDENT	SHEET CONTENT NURSE STATION COUNTER ELEVATION WITH DOORS AND WITHOUT DOORS SHEET NO.	SHEET NO. A9 09 21

CUBICLE TRACK DETAILS

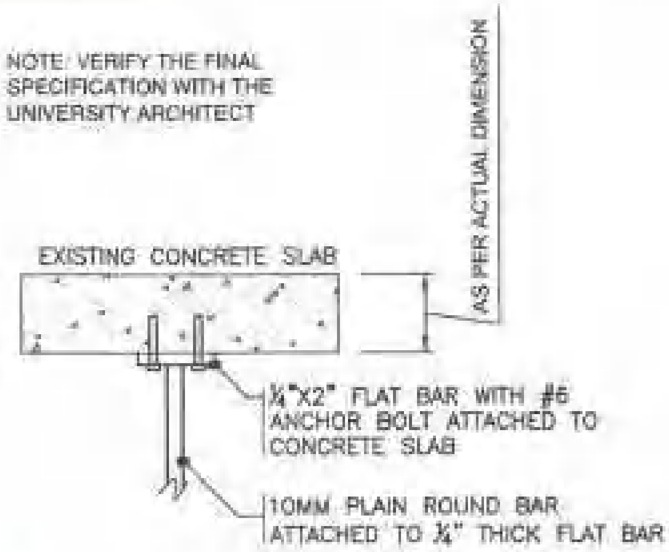


CUBICLE TRACK DETAIL
SCALE 1:5MTRS

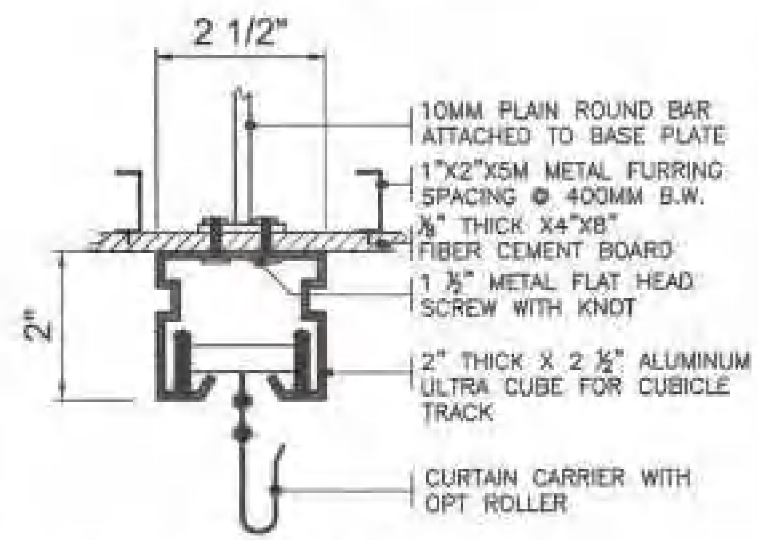


CURTAIN PARTITION ELEVATION
SCALE 1:50MTRS

NOTE: VERIFY THE FINAL SPECIFICATION WITH THE UNIVERSITY ARCHITECT

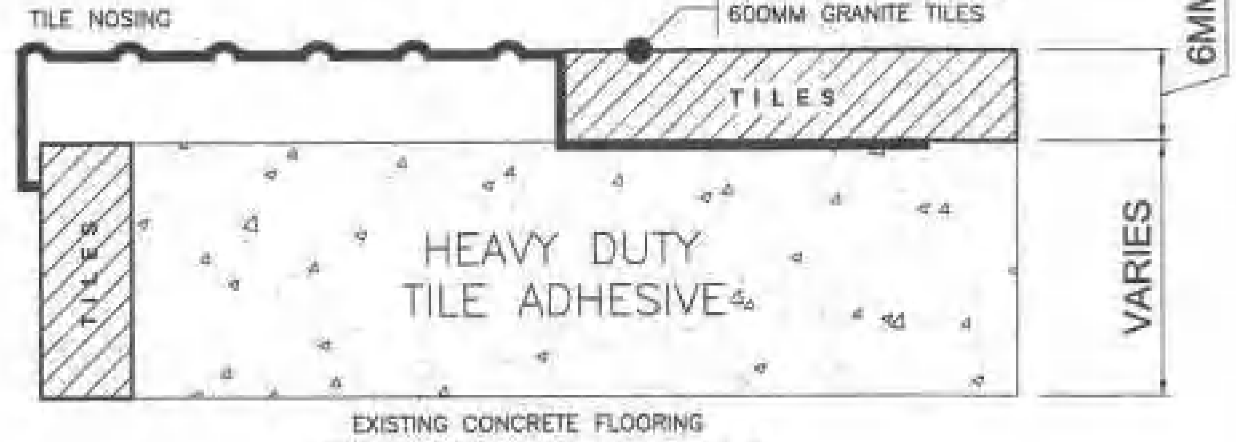


SPOT DETAIL A
SCALE 1:5MTRS

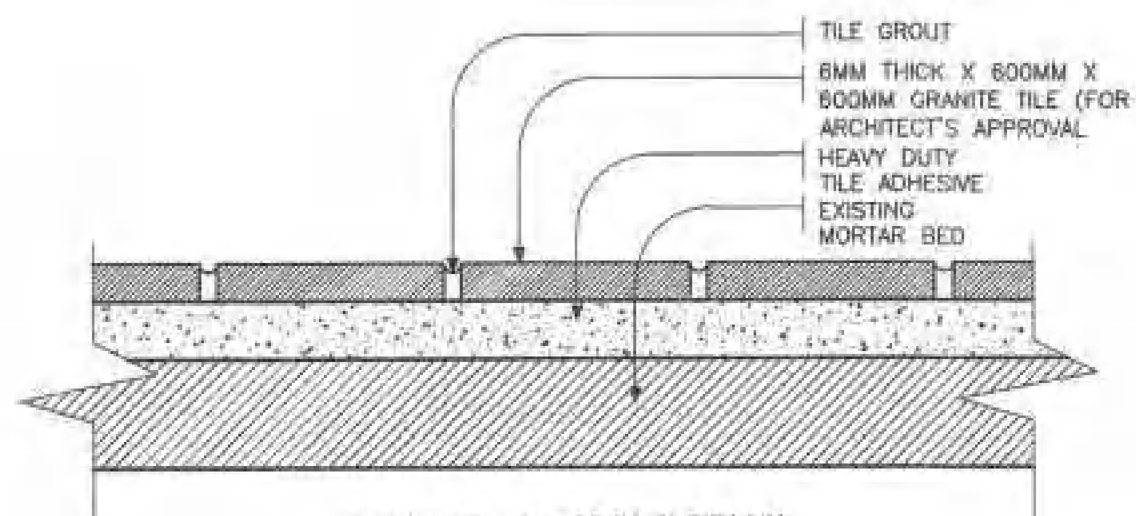


SPOT DETAIL B
SCALE 1:5MTRS

FLOOR TILE DETAILS



TILE NOSING DETAILS
SCALE 1:5MTRS



TILE SECTION DETAIL
SCALE 1:10MTRS

ARCH. JOSEPH ANDREW L. SAHIAL, UAP
UNIVERSITY ARCHITECT
PRC: 00010007 | PTR: 2544025 | TIN: 445013229

PROJECT TITLE
RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES
LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY

REQUISITIONER
HASHIM N. ALAWI JR., RN, MAN
DEAN, COLLEGE OF NURSING

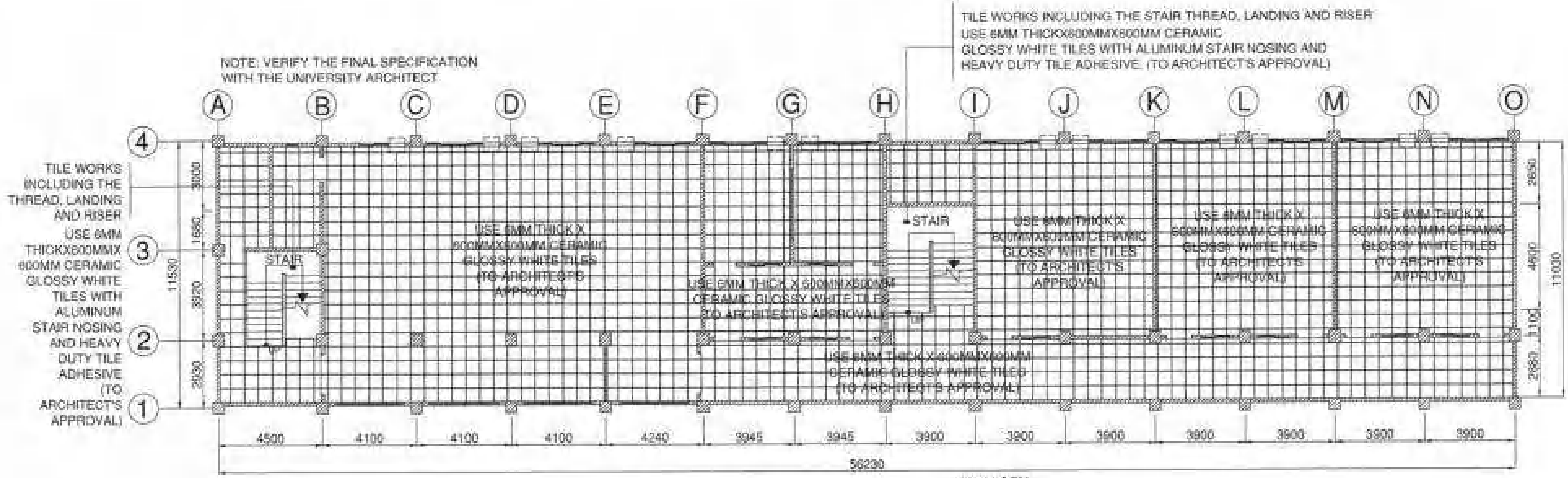
RECOMMENDING APPROVAL
ARCH. JOSEPH ANDREW L. SAHIAL, UAP
DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES
PRC: 00010007 | PTR: 2544025 | TIN: 445013229

RECOMMENDING APPROVAL
DR. JOSELITO D. MADROÑAL
VICE PRESIDENT FOR ADMIN AND FINANCE

APPROVED BY
DR. MA. CARLA A. OCHOTORENA
SUC PRESIDENT

SHEET CONTENT
DRAFTED BY:

SHEET NO.
A10
10 | 21



649.00 SQM

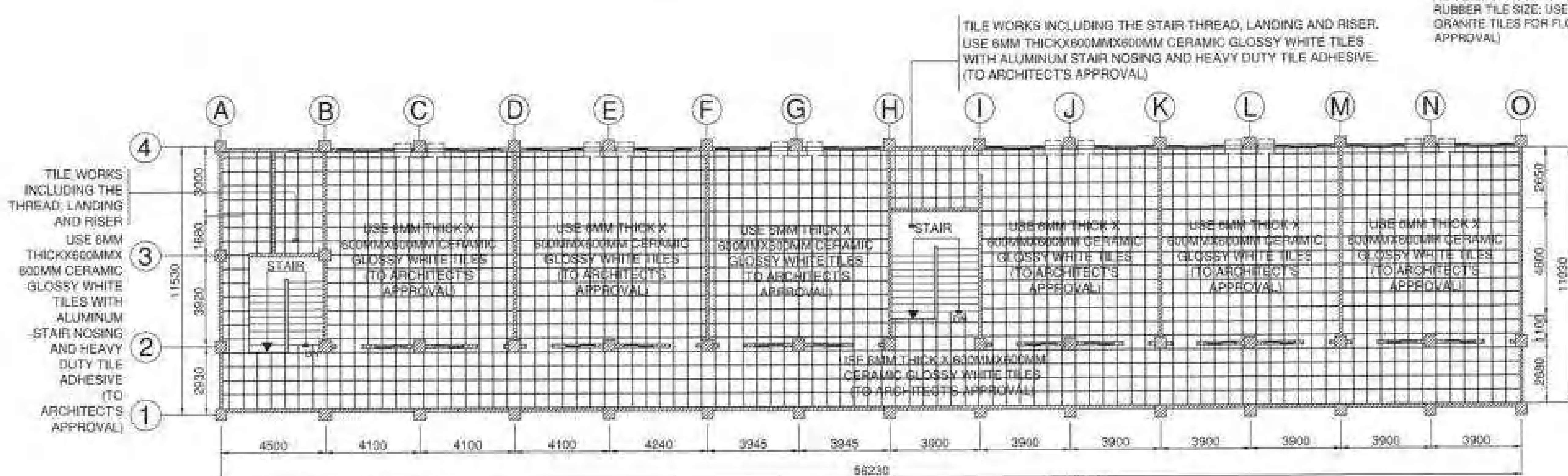
SECOND FLOOR TILE LAYOUT

SCALE 1:200MTRS

NOTE:

ALL EXISTING TILES MUST DEMOLISHED (SEE WORK PLAN), CHIPPING OF EXISTING CONCRETE FLOORING SURFACE PREPARATION FOR TILING.

FOR STAIR PROVIDE TILE NOSING ALUMINUM WITH RUBBER TILE SIZE: USE 6MM THICK X 600MM X 600MM GRANITE TILES FOR FLOORING (FOR ARCHITECT'S APPROVAL)

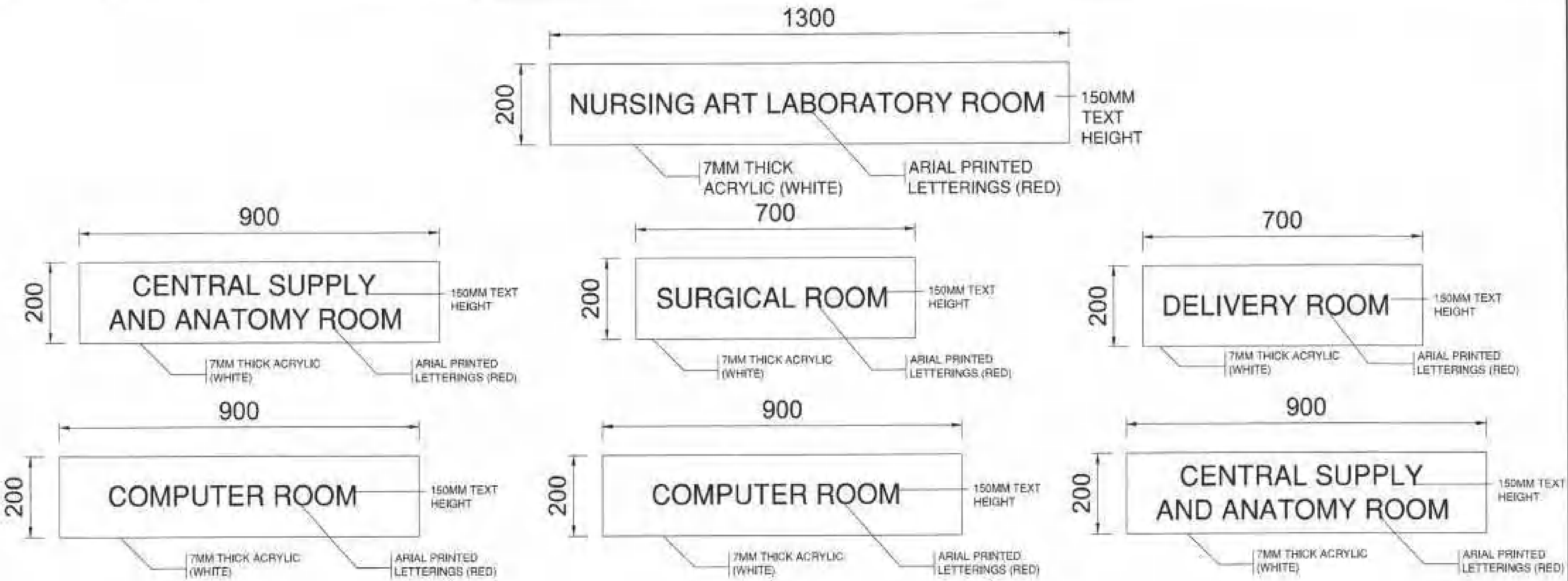


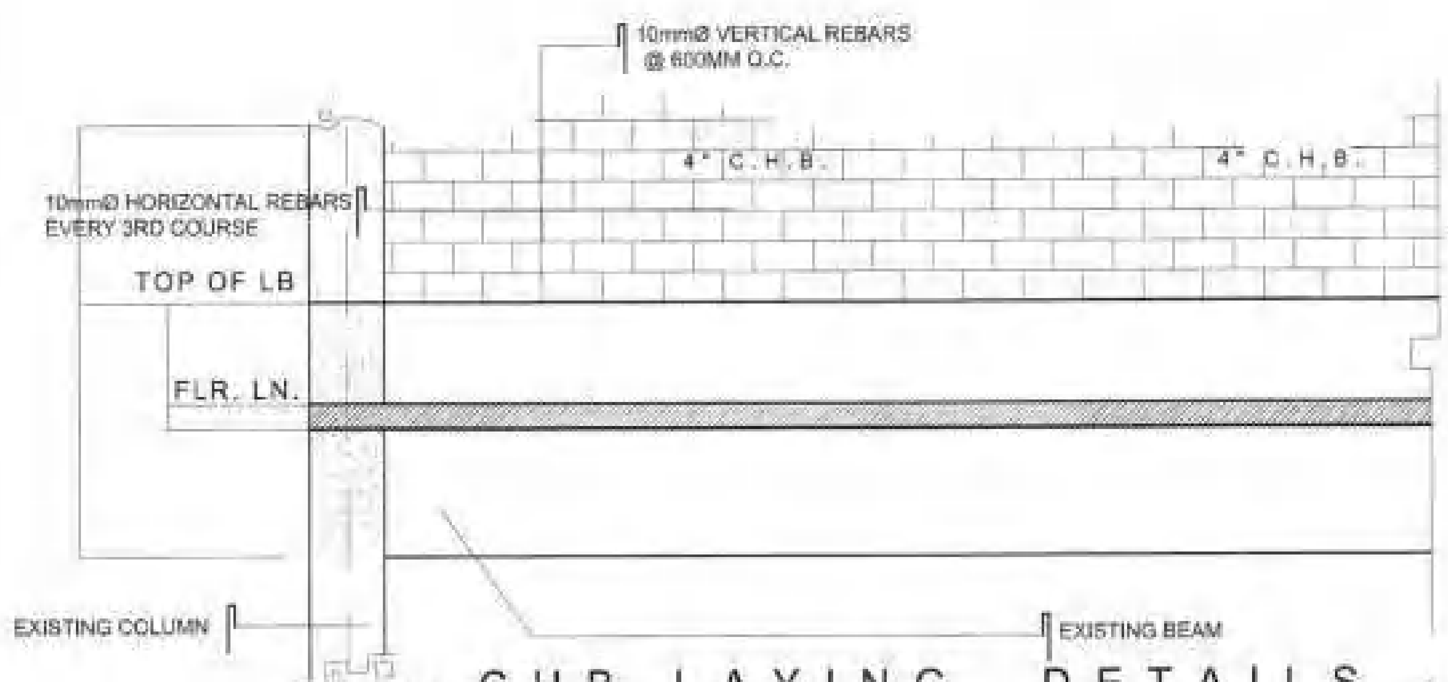
649.00 SQM

THIRD FLOOR TILE LAYOUT

SCALE 1:200MTRS

ARCH. JOSEPH ANDREW L. SAHIAL, UAP UNIVERSITY ARCHITECT PRC: 00510657 PTR: 2344835 TIN: 445013228	PROJECT TITLE RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY	REQUISITIONER HASHIM N. ALAWI JR, RN, MAN DEAN, COLLEGE OF NURSING	RECOMMENDING APPROVAL ARCH. JOSEPH ANDREW L. SAHIAL, UAP DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES PRC: 00510657 PTR: 2344835 TIN: 445013228	RECOMMENDING APPROVAL DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	APPROVED BY DR. MA. CARLA A. OCHOTORENA PRESIDENT	SHEET CONTENT SECOND FLOOR TILE LAYOUT PLAN THIRD FLOOR TILE LAYOUT DRAFTED BY:	SHEET NO. A11 11 21

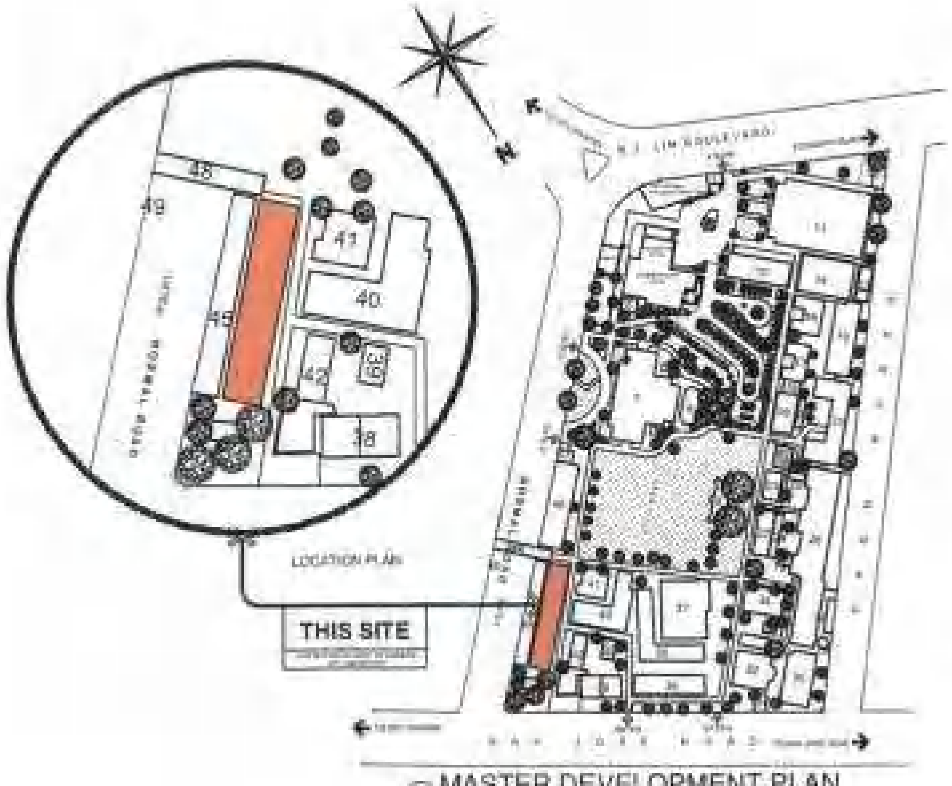




C H B L A Y I N G D E T A I L S

SCALE 1 : 30 M

ARCH. JOSEPH ANDREW L. SAHIAL, UAP UNIVERSITY ARCHITECT	PROJECT TITLE RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES	REQUISITIONER HASHIM N. ALAWI JR, RN, MAN DEAN, COLLEGE OF NURSING	RECOMMENDING APPROVAL ARCH. JOSEPH ANDREW L. SAHIAL, UAP	RECOMMENDING APPROVAL DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	APPROVED BY DR. MA. CARLA A. OCHOTORENA WMSU-PRESIDENT	SHEET NO. A12 12 / 21
PRC: 0061055? | PTR: 2344835 | TIN: 445013228	LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY		PRC: 0061055? | PTR: 2344835 | TIN: 445013228			



MASTER DEVELOPMENT PLAN

SCALE NTS

GENERAL SPECIFICATION:

1. All works herein shall be done in accordance with the latest edition of the Philippine Electrical Code(PEC). Relatively the same, it should follow rules and regulations of the National Building Code enforced by the building official of City of Zamboanga, and of local electric cooperative the Zamboanga City Electric Cooperative (ZAMCELCO).

2. Motor loads shall be provided with magnetic contactor coupled with overload relay as over-current-protection, and the setting shall be 125% of the motor full load current.

3. All non-current carrying electrical materials such as motor frames, metal enclosures, pull boxes and panel shall be adequately grounded in accordance with the latest edition of the PEC.

4. Electrical wiring installation shall be done in polivinyl chloride conduits (PVC). Minimum size for all conduits shall be 20mm diameter electrical trade.

5. All wires shall be copper and thermoplastic insulated type "THHN" except the Main Feeder Conductors which is THW. The minimum size for power is 3.5mm² and lighting shall be 2.0mm² and shall be color coded as follows:

Line A	-Red
Line B	-Blue
Line C	-Yellow
Neutral	-Yellow with green stripes
Equipment Grounding	-Green

6. All lamps fixtures shall be LED type and lamps shall be daylight white.

7. All convenience outlet shall be three(3) prong type, to address proper grounding.

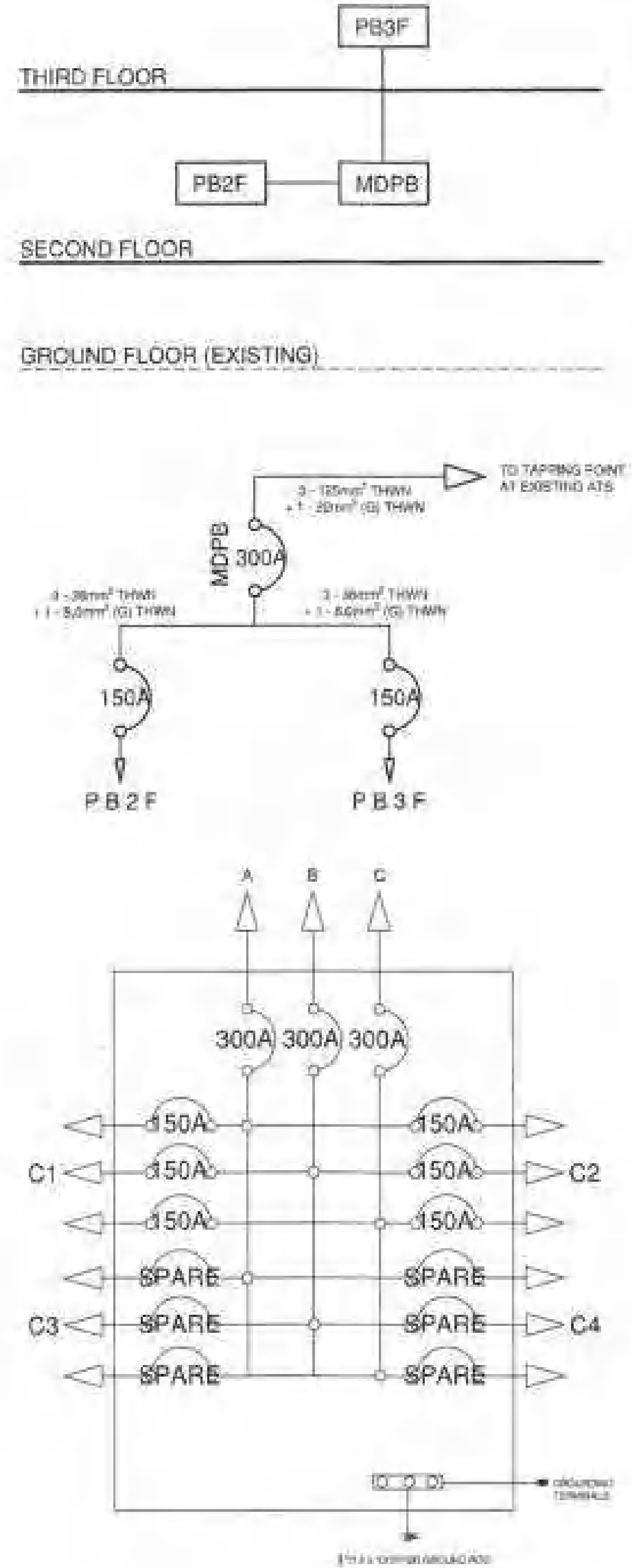
8. The mounting height of all wiring devices shall be as follows:
   A.Light switches 1400mm above floor finished
   B.Convenience outlets 300mm above floor finished or as required
   C.Panel boards shall be installed 1800mm above floor finished line; and
   D.Special purpose outlet for controller 300mm below ceiling finished

9. There shall be adequate and effective equipment grounding. Ground resistance should be no more than 5 ohms. If ground resistance exceeds 5 ohms, additional ground rods shall be provided.

10. Conductors, Main Breaker, Feeders and Circuit Protection to be used shall be of quality type to ensure safety.

11. Grounding Electrode Conductor shall not be smaller than 80mm² copper(Cu) or 125mm² Aluminum(Al).

12. All electrical installation shall be done under the direct supervision of a valid license and experienced Electrical Engineer (PEE or REE).



RISER DIAGRAM

CIRCUIT NO	LOAD DESCRIPTION	NOMINAL VOLTAGE	WATTS	PF	ALLOCATED VA	CONNECTED VA	CURRENT			BREAKER				CONDUCTOR			CONDUIT	
							AB	BC	CA	AT	AF	KAIC	POLE	SIZE IN MM	SIZE (G) IN MM	TYPE	SIZE ØMM	TYPE
1	PB SECOND FLOOR	230	47,398		62,640	50,788.04	95.12	88.9	88.6	150	250	10	3	38	8.0	THWN	40	PVC
2	PB THIRD FLOOR	230	46,092		59,040	49,517.66	88.6	89.9	82.08	150	200	10	3	38	8.0	THWN	40	PVC
3	S P A R E				1,500	1,500		6.52										
4	S P A R E				1,500	1,500			6.52									
	T O T A L				125,280	103,305.90	183.72	183.72	177.2									

LOAD ANALYSIS: BASIC LOADS @70%, MOTOR LOADS @100% DEMAND FACTOR

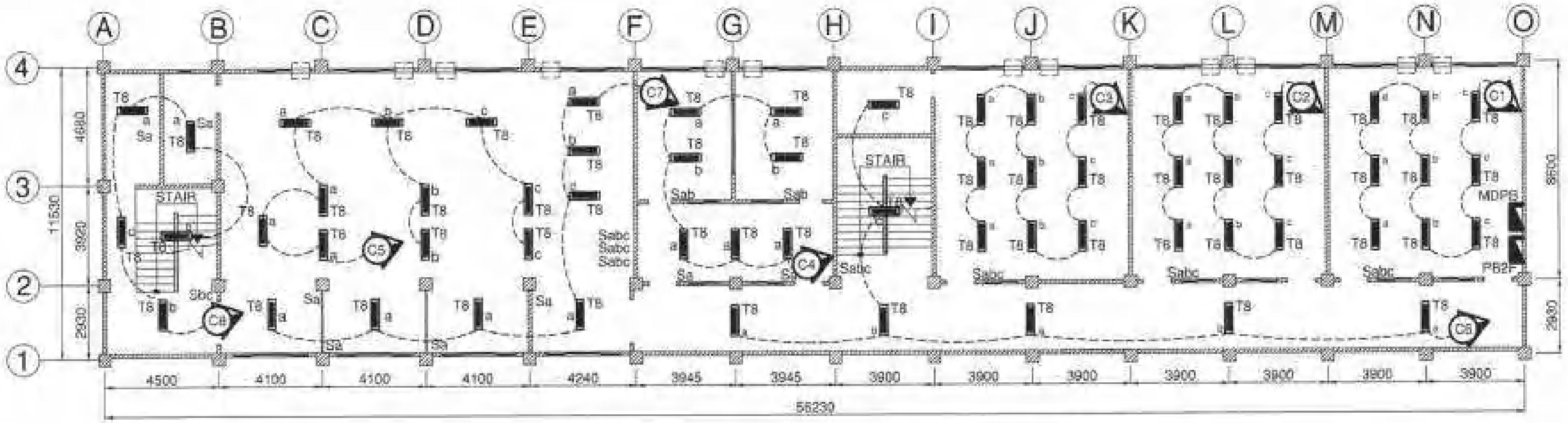
CONDUCTOR SIZE: $\frac{26{,}025.9VA\ (70\%) + 74{,}060VA\ (100\%) + 3{,}220VA\ (25\%)}{\sqrt{3}\ (230V)} = 233.86A$

USE: 3 - 125mm² THWN + 1 - 22mm² (G) THWN in 65mmø

OVERCURRENT PROTECTIVE DEVICE: $\frac{26{,}025.9VA\ (70\%) + 74{,}060VA\ (100\%) + 3{,}220VA\ (250\%)}{\sqrt{3}\ (230V)} = 251.85A$

USE: 300AT, 300AF, 3P, 230V, 60HZ, 35KAIC MCCB, BOLT-ON CENTER MAIN

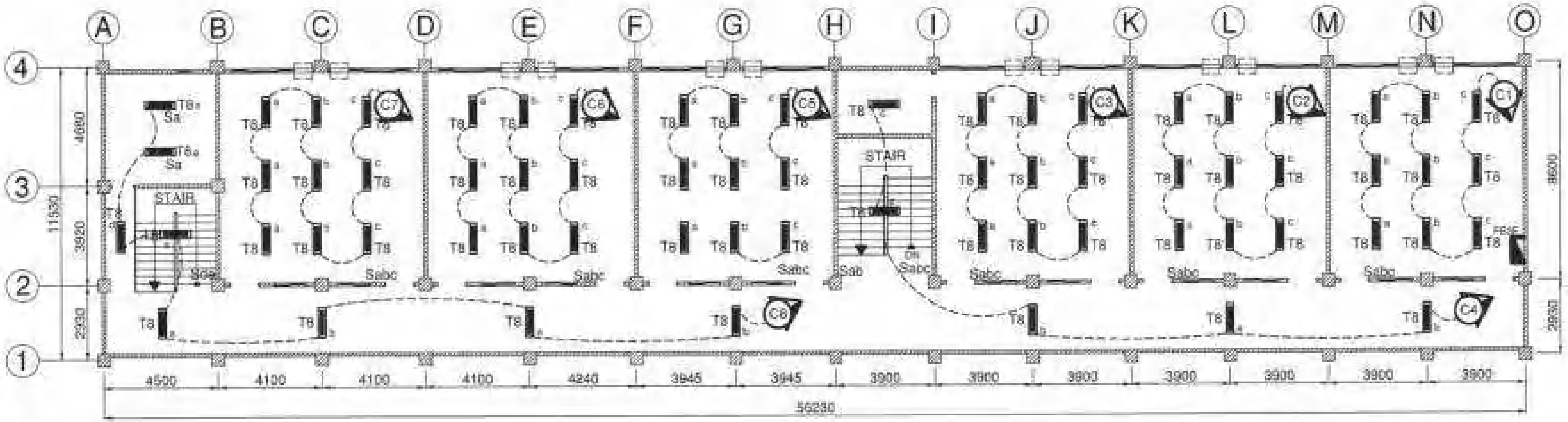
ENGR. RICARDO C. GONZALES UNIVERSITY ELECTRICAL ENGINEER	PROJECT TITLE RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES	REQUISITIONER HASHIM K. ALAWI JR., RN, MAN DEAN, COLLEGE OF NURSING	RECOMMENDING APPROVAL ARCH. JOSEPH ANDREW L. SAHIAL, UAP	RECOMMENDING APPROVAL DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	APPROVED BY DR. MA. CARLA A. OCHOTORENA WMSU PRESIDENT	SHEET CONTENTS LOCATION PLAN GENERAL SPECIFICATION RISER DIAGRAM TABLE OF LOADS MAIN DISTRIBUTION PANEL BOARD	SHEET NO. E1 13 21
PRC:	LOCATION: WMSU LOT I, BALIWASAN ZAMBOANGA CITY		PRC: 00010867 PTR: 2344836 TIN: 445012228				



649.00 SQM

SECOND FLOOR LIGHTING LAYOUT PLAN

SCALE 1:200MTRS



649.00 SQM

THIRD FLOOR LIGHTING LAYOUT PLAN

SCALE 1:200MTRS

LEGEND :

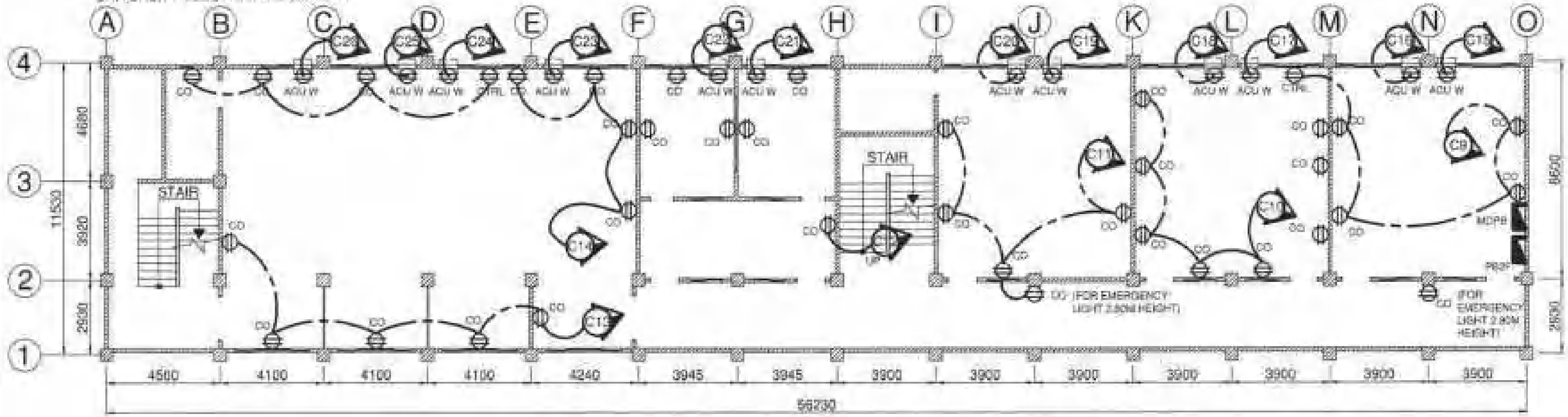
Symbol	Description
S_a	SINGLE GANG SWITCH
S_{ab}	TWO GANG SWITCH
S_{abc}	THREE GANG SWITCH
	CIRCUIT RUN
	LIGHTING LINE
	POWER LINE
MDPB	MAIN DISTRIBUTION PANEL BOARD
PB2F	PANEL BOARD, SECOND FLOOR
PB3F	PANEL BOARD, THIRD FLOOR
	2 X 18W, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER
	1 X 18W, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER
CO	CONVENIENCE OUTLET
ACU	AIR CONDITION UNIT, 2.5HP WINDOW TYPE

NOTE :

ALL THE EXISTING CONVENIENCE OUTLET, BREAKERS, LIGHTING FIXTURES ELECTRICAL CONDUCTORS AT SECOND (2ND) AND THIRD (3RD) FLOOR MUST BE PULLED DOWN AND TURN OVER TO WMSU PHYSICAL PLANT OFFICE OR ELECTRICIAN FOR PROPER TURN OVER TO PROPERTY MANAGEMENT OFFICE.

ENGR. RICARDO C. GONZALES UNIVERSITY ELECTRICAL ENGINEER PRC:	PTR:	TIN:	PROJECT TITLE RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY	REQUISITIONER HASHIM N. ALAWI JR., RN, MAN DEAN, COLLEGE OF NURSING	RECOMMENDING APPROVAL ARCH. JOSEPH ANDREW L. SAHIAL, UAP DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES PRC:	PTR:	TIN:	RECOMMENDING APPROVAL DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	APPROVED BY DR. MA. CARLA A. OCHOTORENA WMSU PRESIDENT	SHEET CONTENTS SECOND FLOOR LIGHTING LAYOUT PLAN THIRD FLOOR LIGHTING LAYOUT PLAN LEGEND DRAFTED BY:	SHEET NO. E2 14 21

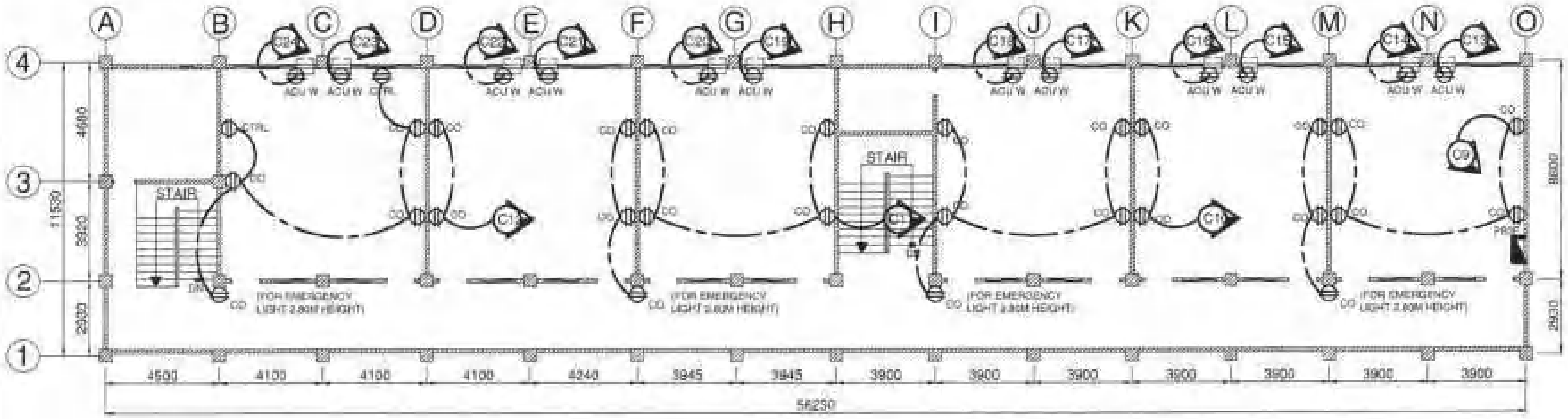
NOTE: VERIFY THE FINAL SPECIFICATION WITH THE UNIVERSITY ELECTRICAL ENGINEER



649.00 SQM

SECOND FLOOR POWER LAYOUT PLAN

SCALE 1:200MTRS



649.00 SQM

THIRD FLOOR POWER LAYOUT PLAN

SCALE 1:200MTRS

LEGEND :

Symbol	Description
S_1	SINGLE GANG SWITCH
S_{ab}	TWO GANG SWITCH
S_{abc}	THREE GANG SWITCH
	CIRCUIT RUN
	LIGHTING LINE
	POWER LINE
MDPB	MAIN DISTRIBUTION PANEL BOARD
PB2F	PANEL BOARD, SECOND FLOOR
PB3F	PANEL BOARD, THIRD FLOOR
	2 X 18W, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER
	1 X 18W, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER
CO	CONVENIENCE OUTLET
ACU W	AIR CONDITION UNIT, 2.0HP WINDOW TYPE

NOTE :

ALL THE EXISTING CONVENIENCE OUTLET, BREAKERS, LIGHTING FIXTURES ELECTRICAL CONDUCTORS AT SECOND (2ND) AND THIRD (3RD) FLOOR MUST BE PULLED DOWN AND TURN OVER TO WMSU PHYSICAL PLANT OFFICE OR ELECTRICIAN FOR PROPER TURN OVER TO PROPERTY MANAGEMENT OFFICE.

ENGR. RICARDO C. GONZALES UNIVERSITY ELECTRICAL ENGINEER PRC: [illegible] PTR: TIN: [illegible]	PROJECT TITLE: RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY	REQUISITIONER HASHIM H. ALAWI JR., RN, MAN DEAN, COLLEGE OF NURSING	RECOMMENDING APPROVAL ARCH. JOSEPH ANDREW C. SAHIAL, UAP OIC-DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES PRC: [illegible] PTR: [illegible] TIN: [illegible]	RECOMMENDING APPROVAL DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	APPROVED BY DR. MA. CARLA A. OCHOTORENA OIC-PRESIDENT	SHEET CONTENTS SECOND FLOOR POWER LAYOUT PLAN THIRD FLOOR POWER LAYOUT PLAN LEGEND DRAFTED BY:	SHEET NO. E3 15 21

PANEL BOARD SECOND FLOOR (PB2F) - 3 PHASE, 4 WIRE SYSTEM

CIRCUIT NO	LOAD DESCRIPTION	NOMINAL VOLTAGE	WATTS	PF	ALLOCATED VA	CONNECTED VA	CURRENT			BREAKER				CONDUCTOR			CONDUIT	
							AB	BC	CA	AT	AF	KAIC	POLE	SIZE IN MM	SIZE(G) IN MM	TYPE	SIZE ØMM	TYPE
1	9 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	324	0.85	1,500	381.18	6.52			15	50	5	2	2.0		THHN	20	PVC
2	9 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	324	0.85	1,500	381.18		6.52		15	50	5	2	2.0		THHN	20	PVC
3	9 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	324	0.85	1,500	381.18			6.52	15	50	5	2	2.0		THHN	20	PVC
4	7 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	252	0.85	1,500	296.47	6.52			15	50	5	2	2.0		THHN	20	PVC
5	10 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	360	0.85	1,500	423.53		6.52		15	50	5	2	2.0		THHN	20	PVC
6	7 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	252	0.85	1,500	296.47			6.52	15	50	5	2	2.0		THHN	20	PVC
7	7 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	252	0.85	1,500	296.47	6.52			15	50	5	2	2.0		THHN	20	PVC
8	5 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	180	0.85	1,500	211.76		6.52		15	50	5	2	2.0		THHN	20	PVC
9	6 - 2GANG, 3PRONG CONVENIENCE OUTLET	230	1,080	1.0	1,500	1,080			6.52	20	50	5	2	3.5	2.0	THHN	20	PVC
10	8 - 2GANG, 3PRONG CONVENIENCE OUTLET	230	1,440	1.0	1,500	1,440	6.52			20	50	5	2	3.5	2.0	THHN	20	PVC
11	5 - 2GANG, 3PRONG CONVENIENCE OUTLET	230	900	1.0	1,500	900		6.52		20	50	5	2	3.5	2.0	THHN	20	PVC
12	6 - 2GANG, 3PRONG CONVENIENCE OUTLET	230	1,080	1.0	1,500	1,080			6.52	20	50	5	2	3.5	2.0	THHN	20	PVC
13	5 - 2GANG, 3PRONG CONVENIENCE OUTLET	230	900	1.0	1,500	900	6.52			20	50	5	2	3.5	2.0	THHN	20	PVC
14	8 - 2GANG, 3PRONG CONVENIENCE OUTLET	230	1,440	1.0	1,500	1,440		6.52		20	50	5	2	3.5	2.0	THHN	20	PVC
15	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220			14	30	50	10	2	5.5	2.0	THHN	20	PVC
16	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220	14			30	50	10	2	5.5	2.0	THHN	20	PVC
17	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220		14		30	50	10	2	5.5	2.0	THHN	20	PVC
18	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220			14	30	50	10	2	5.5	2.0	THHN	20	PVC
19	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220	14			30	50	10	2	5.5	2.0	THHN	20	PVC
20	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220		14		30	50	10	2	5.5	2.0	THHN	20	PVC
21	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220			14	30	50	10	2	5.5	2.0	THHN	20	PVC
22	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220	14			30	50	10	2	5.5	2.0	THHN	20	PVC
23	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220		14		30	50	10	2	5.5	2.0	THHN	20	PVC
24	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220			14	30	50	10	2	5.5	2.0	THHN	20	PVC
25	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220	14			30	50	10	2	5.5	2.0	THHN	20	PVC
26	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220		14		30	50	10	2	5.5	2.0	THHN	20	PVC
27	S P A R E				1,500	1,500			6.52									
28	S P A R E				1,500	1,500	6.52											
	T O T A L		47,388		62,640	51,148.24	95.12	88.6	88.6									

LOAD ANALYSIS: BASIC LOADS @70%, MOTOR LOADS @100% DEMAND FACTOR

CONDUCTOR SIZE: $\frac{12,508.24VA\ (70\%) + 35,420VA\ (100\%) + 3,220VA\ (25\%)}{\sqrt{3}\ (230V)} = 112.91A$

USE: 3 - 38mm² THHN + 1 - 8.0mm² (G) THHN in 40mmø

OVERCURRENT PROTECTIVE DEVICE: $\frac{12,508.24VA\ (70\%) + 35,420VA\ (100\%) + 3,220VA\ (250\%)}{\sqrt{3}\ (230V)} = 131.10A$

USE: 150AT, 200AF, 3P, 230V, 60HZ, 10KAIC MCCB, BOLT-ON CENTER MAIN

ENGR. RICARDO C. GONZALES UNIVERSITY PHYSICAL ENGINEER PRC: [illegible] PTR: TIN: 275203179	PROJECT TITLE: RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY	REQUESTOR HASHIM N. ALAWI JR., RN,MSN [illegible]	RECOMMENDING APPROVAL ARCH. JOSEPH ANDREW L. SAHAL, UAP PRC: 0001084 PTR: 2344838 TIN: 445013000	RECOMMENDING APPROVAL DR. JOSELITO D. MADROÑAL VICE PRESIDENT FOR ADMIN AND FINANCE	APPROVED BY DR. MA. CARLA A. OCHOTORENA [illegible]	SHEET CONTENTS PANEL BOARD SECOND FLOOR (PB2F) 3 WIRE SYSTEM MAIN DISTRIBUTION PANEL BOARD DRAFTER BY:	SHEET NO. E4 16 21	

CIRCUIT NO	LOAD DESCRIPTION	NOMINAL VOLTAGE	WATTS	PF	ALLOCATED VA	CONNECTED VA	CURRENT			BREAKER				CONDUCTOR			CONDUIT	
							AB	BC	CA	AT	AF	KAIC	POLE	SIZE IN MM	SIZE(G) IN MM	TYPE	SIZE ØMM	TYPE
1	9 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	324	0.85	1,500	381.18	6.52			15	50	5	2	2.0		THHN	20	PVC
2	9 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	324	0.85	1,500	381.18		6.52		15	50	5	2	2.0		THHN	20	PVC
3	9 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	324	0.85	1,500	381.18			6.52	15	50	5	2	2.0		THHN	20	PVC
4	5 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	180	0.85	1,500	211.76	6.52			15	50	5	2	2.0		THHN	20	PVC
5	9 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	324	0.85	1,500	381.18		6.52		15	50	5	2	2.0		THHN	20	PVC
6	9 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	324	0.85	1,500	381.18			6.52	15	50	5	2	2.0		THHN	20	PVC
7	9 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	324	0.85	1,500	381.18	6.52			15	50	5	2	2.0		THHN	20	PVC
8	8 - 2x18w, T8 LED DAYLIGHT LAMP W/ SLOTTED REFLECTIVE DIFFUSER	230	288	0.85	1,500	338.82		6.52		15	50	5	2	2.0		THHN	20	PVC
9	7 - 2GANG, 3PRONG CONVENIENCE OUTLET	230	1,260	1.0	1,500	1,260			6.52	20	50	5	2	3.5	2.0	THHN	20	PVC
10	7 - 2GANG, 3PRONG CONVENIENCE OUTLET	230	1,260	1.0	1,500	1,260	6.52			20	50	5	2	3.5	2.0	THHN	20	PVC
11	7 - 2GANG, 3PRONG CONVENIENCE OUTLET	230	1,260	1.0	1,500	1,260		6.52		20	50	5	2	3.5	2.0	THHN	20	PVC
12	8 - 2GANG, 3PRONG CONVENIENCE OUTLET	230	1,440	1.0	1,500	1,440			6.52	20	50	5	2	3.5	2.0	THHN	20	PVC
13	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220	14			30	50	10	2	5.5	2.0	THHN	20	PVC
14	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220		14		30	50	10	2	5.5	2.0	THHN	20	PVC
15	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220			14	30	50	10	2	5.5	2.0	THHN	20	PVC
16	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220	14			30	50	10	2	5.5	2.0	THHN	20	PVC
17	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220		14		30	50	10	2	5.5	2.0	THHN	20	PVC
18	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220			14	30	50	10	2	5.5	2.0	THHN	20	PVC
19	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220	14			30	50	10	2	5.5	2.0	THHN	20	PVC
20	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220		14		30	50	10	2	5.5	2.0	THHN	20	PVC
21	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220			14	30	50	10	2	5.5	2.0	THHN	20	PVC
22	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220	14			30	50	10	2	5.5	2.0	THHN	20	PVC
23	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220		14		30	50	10	2	5.5	2.0	THHN	20	PVC
24	2.5 HP INVERTER TYPE ACU (WINDOW TYPE)	230	3,220	1.0	3,220	3,220			14	30	50	10	2	5.5	2.0	THHN	20	PVC
25	S P A R E				1,500	1,500	6.52											
26	S P A R E				1,500	1,500		6.52										
	T O T A L		46,092		59,640	49,687.66	88.6	88.6	82.08									

LOAD ANALYSIS: BASIC LOADS @70%, MOTOR LOADS @100% DEMAND FACTOR

CONDUCTOR SIZE: $\frac{11{,}057.66VA\ (70\%) + 35{,}420VA\ (100\%) + 3{,}220VA\ (25\%)}{\sqrt{3}\ (230V)} = 110.37A$

USE: 3 - 38mm^2 THHN + 1 - 8.0mm^2 (G) THHN in 40mmø

OVERCURRENT PROTECTIVE DEVICE: $\frac{11{,}057.66VA\ (70\%) + 35{,}420VA\ (100\%) + 3{,}220VA\ (250\%)}{\sqrt{3}\ (230V)} = 128.55A$

USE: 150AT, 200AF, 3P, 230V, 60HZ, 10KAIC MCCB, BOLT-ON CENTER MAIN

ENGR. RICARDO C. GONZALES
UNIVERSITY ELECTRICAL ENGINEER
PRC: | PTR: | TIN:

PROJECT TITLE
RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES
LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY

REQUISITIONER
HASIMM N. ALAWI JR., RN MAN
DEAN, COLLEGE OF NURSING

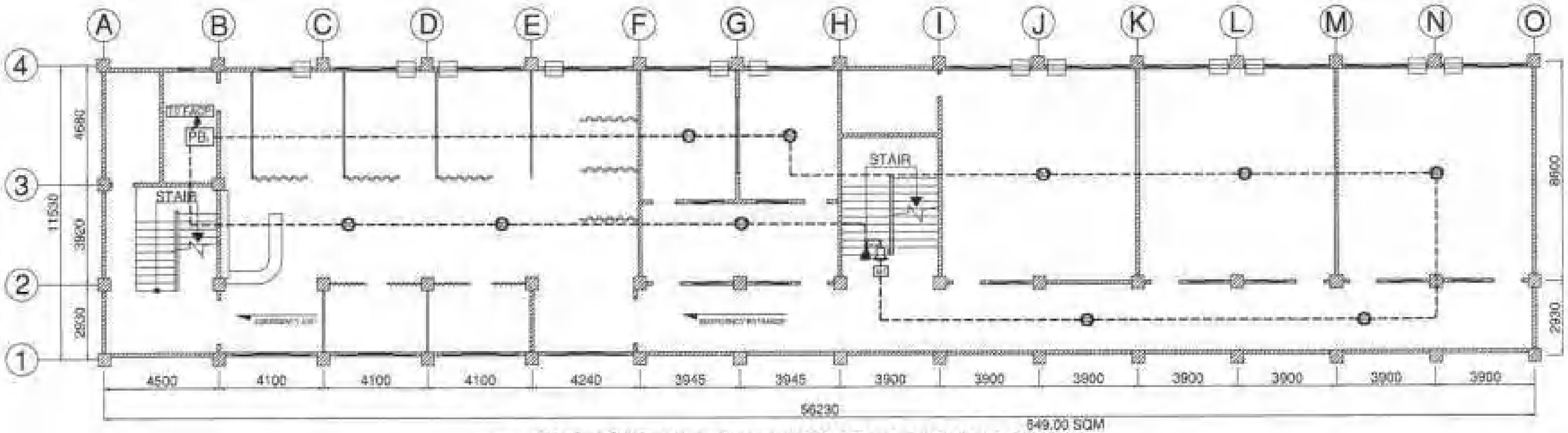
RECOMMENDING APPROVAL
ARCH. JOSEPH ANDREW L. SAHIAL, UAP
OIC-DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES
PRC: | PTR: | TIN:

RECOMMENDING APPROVAL
DR. JOSELITO D. MADROÑAL
VICE PRESIDENT FOR ADMIN AND FINANCE

APPROVED BY
DR. MA. CARLA A. OCHOTORENA
WMSU PRESIDENT

SHEET CONTENTS
PANEL BOARD THIRD FLOOR (PBAP) & MAIN DISTRIBUTION SYSTEM PANEL BOARD
DRAFTED BY:

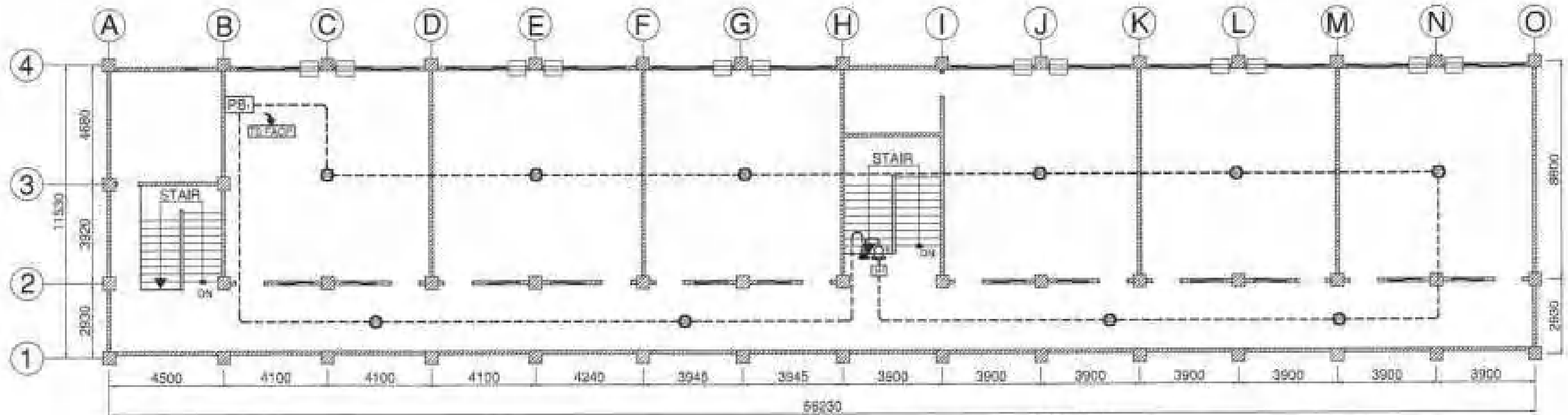
SHEET NO.
E5
17 21



649.00 SQM

SECOND FLOOR SMOKE DETECTOR PLAN

SCALE 1:200MTRS



649.00 SQM

THIRD FLOOR SMOKE DETECTOR PLAN

SCALE 1:200MTRS

LEGEND

SYMBOL	DESCRIPTION
(symbol)	SMOKE DETECTOR
(symbol)	HEAT DETECTOR
MN	MANUAL CALL POINT
(symbol)	BELL
(symbol)	STROBE LIGHT WITH SOUNDER
FACP	8 ZONE ADDRESSABLE FIRE ALARM CONTROL PANEL
JN	JUNCTION BOX
PBN	PULL BOX
———	CIRCUIT LINE

ENGR. KEVIN MARC A. BEJERANO
ELECTRONICS AND COMMUNICATIONS ENGINEER
PRC: | PTR: | TIN:

PROJECT TITLE
RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES
LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY

REQUESTED BY:
HASHIM N. ALAWI JR., RN, MAN
DEAN, COLLEGE OF NURSING

RECOMMENDING APPROVAL:
ARCH. JOSEPH ANDREW L. SAHIAL, UAP
PRC: 0010557 | PTR: 2344833 | TIN: 445073220

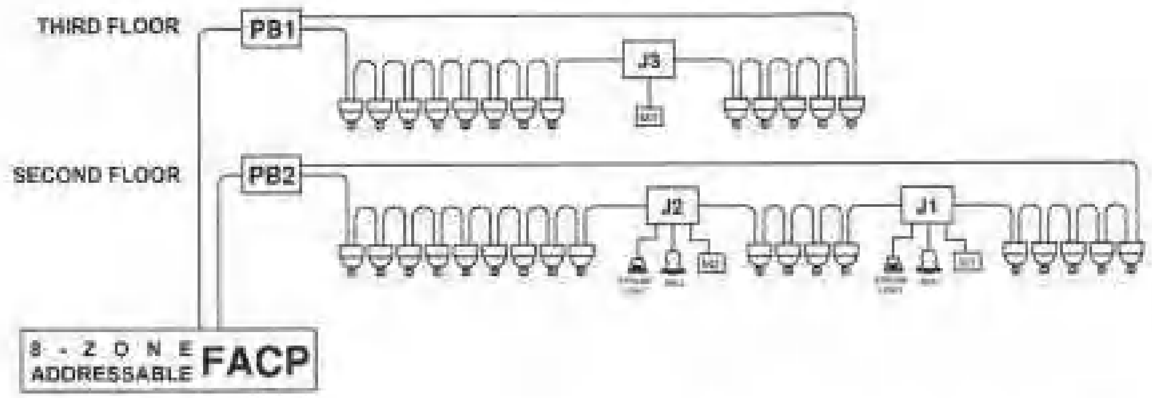
RECOMMENDING APPROVAL:
DR. JOSELITO D. MADROÑAL
VICE PRESIDENT FOR ADMIN AND FINANCE

APPROVED BY:
DR. MA. CARLA A. OCHOTORENA
PRESIDENT

SHEET CONTENTS: SECOND FLOOR AND THIRD FLOOR SMOKE DETECTOR PLAN
DRAFTED BY:

SHEET NO.: AUX 1
18 | 21

LEGEND	
SYMBOL	DESCRIPTION
	SMOKE DETECTOR
	HEAT DETECTOR
MN	MANUAL CALL POINT
	BELL
	STROBE LIGHT WITH SOUNDER
FACP	8 ZONE ADDRESSABLE FIRE ALARM CONTROL PANEL
JN	JUNCTION BOX
PBN	PULL BOX
————	CIRCUIT LINE



FIRE AND DETECTION ALARM CONDUIT RISER DIAGRAM

SCALE: NTS

NOTES FOR FDAS:

1. All fire detection and alarm system shall be done in accordance with the revised fire code of the Philippines.
2. The minimum size of metal conduit for fire detection and alarm system shall be 20mmØ IMC or RSC.
3. Activation of Smoke detectors, and manual pull stations shall initiate the following for the Fire Alarm Control Panel (FACP):
   a. The activation of both audio and visual alarms
   b. The LCD display shall indicate all applicable information associated with the fire alarm condition including the zone.
   c. Document all system activities and changes.
4. Provide additional power supply for notification circuit if the fire alarm notification circuit is insufficient.
5. Panel must be addressable FACP.

GENERAL NOTES:

1. Wiring shall be in a concealed conduit/trucking unless otherwise specified
2. The specialty contractor shall be responsible for the labeling of all equipment throughout the installation
3. The overall resistance for the earthing system shall comply with the latest edition of the Philippine electrical and electronics code.
4. The specialty contractor shall be responsible for the sealing of all cable/conduit penetration opening between floor slabs, and walls, etc with approved fire raring material/sealant.
5. The specialty contractor shall be responsible for the equipotential grounding /all metal parts completed to the nearest bonding electrical panel
6. All installation shall be in accordance with the latest edition of Philippine electrical/electronics code, EIA and BISCI code. They shall be painted with a coat of anti-rust paint and two coats of semi-gloss teak paint of best quality to the approval of the consultant.
7. All conduit layout and installation shall be identical in all rooms as much as possible.
8. Telecommunications outlet shall be Category 6 or otherwise stated
9. The contractor shall ensure that the power supplies for all equipment are adequately provided to quite the system requirements
10. All cable runs, either power, cable or signal shall be of continuous length and if splicing extension is necessary, all shall be done in either pull boxes, terminal box, or junction boxes.

ENGR. KEVIN MARC A. BEJERANO
ELECTRONICS AND COMMUNICATIONS ENGINEER
PRC | PTR | TIN

PROJECT TITLE
RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES
LOCATION: WMSU LOT 1, SAN RAMON/BALIWASAN ZAMBOANGA CITY

REQUISITIONER: HASHIM N. ALAWI JR., RN,MAN — DEAN, COLLEGE OF NURSING

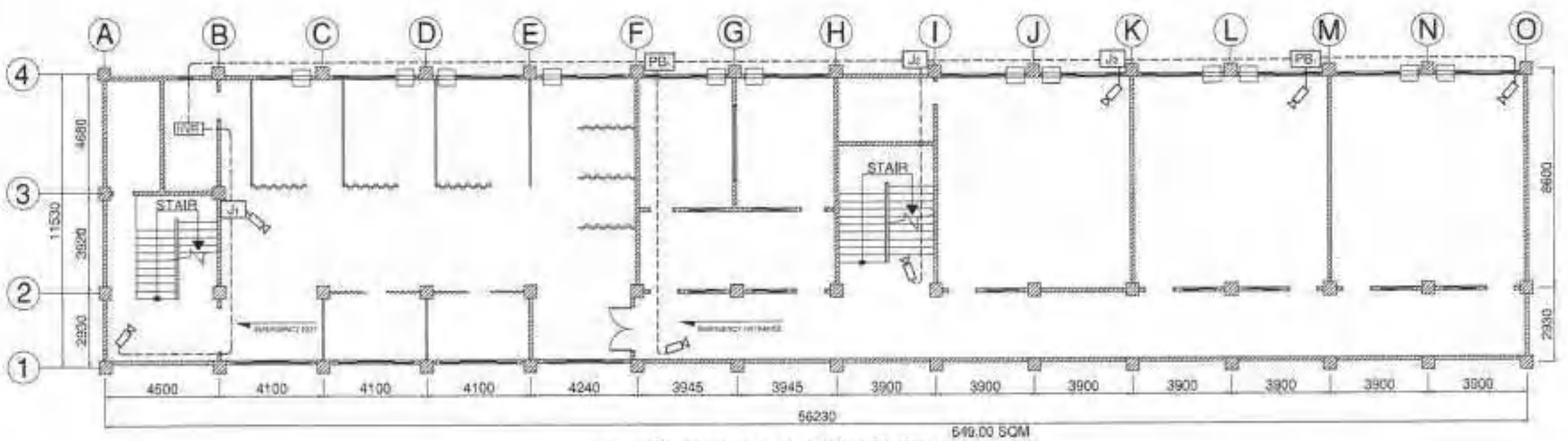
RECOMMENDING APPROVAL: ARCH. JOSEPH ANDREW L. SAHAL, UAP — OIC-DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES
PRC | PTR | TIN

RECOMMENDING APPROVAL: DR. JOSELITO D. MADROÑAL — VICE PRESIDENT FOR ADMIN AND FINANCE

APPROVED BY: DR. MA. CARLA A. OCHOTORENA — WMSU PRESIDENT

SHEET CONTENTS: FIRE AND DETECTION ALARM CONDUIT RISER DIAGRAM NOTES FOR FDAS GENERAL NOTES
DRAFTED BY:

SHEET NO.
AUX 2
19/21

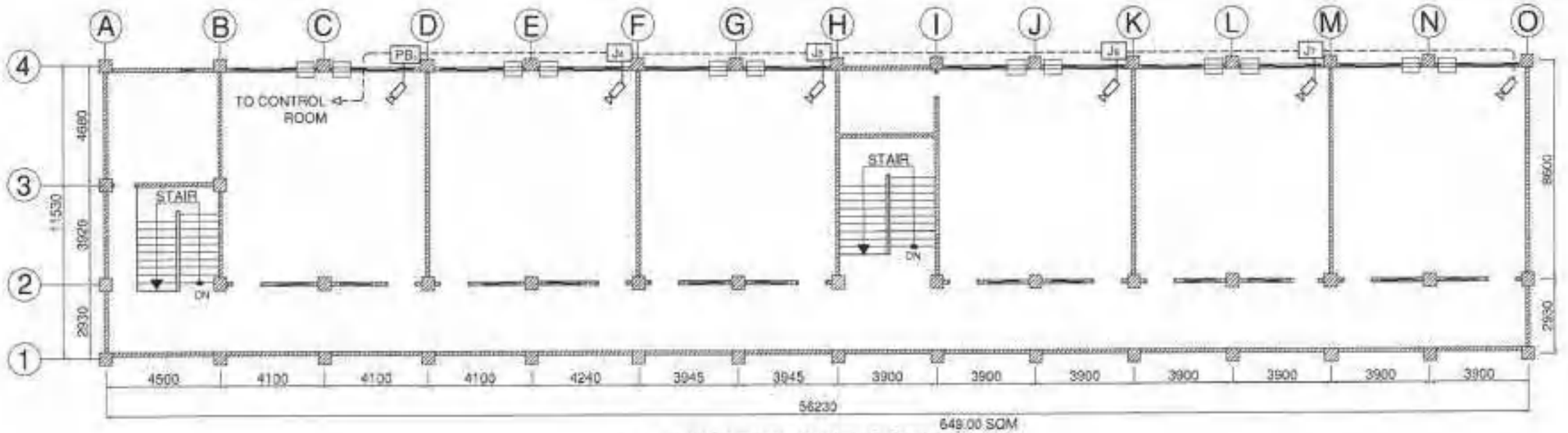


649.00 SQM

SECOND FLOOR CCTV PLAN

SCALE 1:200MTRS

LEGEND	
SYMBOL	DESCRIPTION
	CAMERA
JN	JUNCTION BOX
NVR	MONITOR
PBN	PULL BOX
	CONDUIT RUN EMBEDDED INSIDE COVERED CEILING/WALL



649.00 SQM

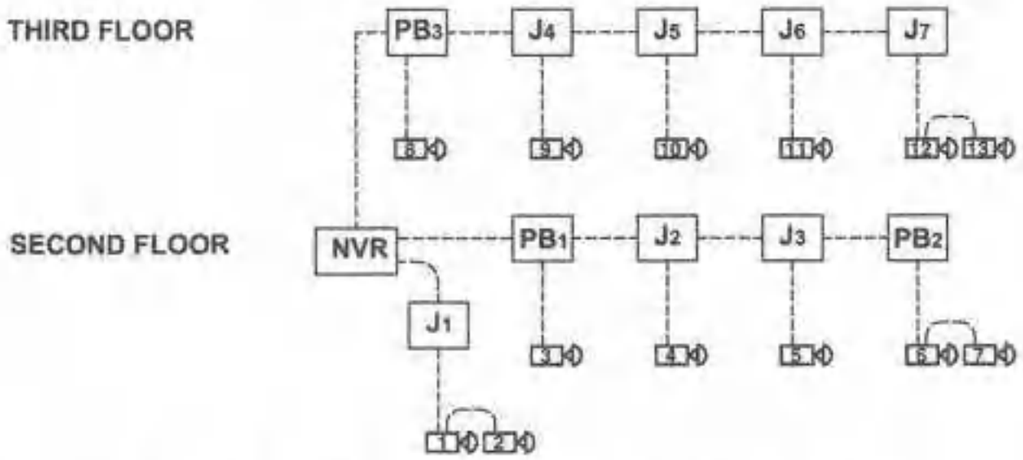
THIRD FLOOR CCTV PLAN

SCALE 1:200MTRS

ENGR. KEVIN MARC A. BEJERANO, ELECTRONICS AVC COMMUNICATIONS ENGINEER	PROJECT TITLE: RENOVATION OF NURSING SIMULATION LABORATORY AND SUPPORT FACILITIES	REQUESTIONER: HASHIM N. ALAWI JR., RN,MAN, DEAN, COLLEGE OF NURSING	RECOMMENDING APPROVAL: ARCH. JOSEPH ANDREW L. SAHIAL, UAP, DIRECTOR OF PHYSICAL PLANT AND ENGINEERING SERVICES	RECOMMENDING APPROVAL: DR. JOSELITO D. MADRIÑAL, VICE PRESIDENT FOR ADMIN AND FINANCE	APPROVED BY: DR. MA. CARLA A. SCHOTORENA, UNIV. PRESIDENT	SHEET CONTENTS: SECOND FLOOR AND THIRD FLOOR CCTV PLAN	SHEET NO: AUX 3
PRC:	PTR:	TIN:	LOCATION: WMSU LOT 1, BALIWASAN ZAMBOANGA CITY	PRC: 0681057	PTR: 2944535	TIN: 445015235	DRAWN BY:	DATE: 20 21

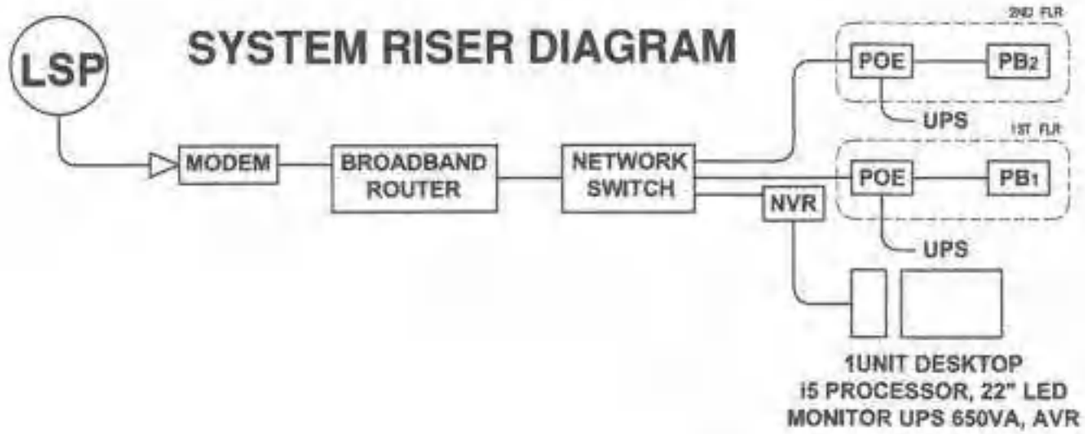
CLOSED-CIRCUIT TELEVISION (CCTV)

CONDUIT RISER DIAGRAM



CCTV SYSTEM CONDUIT RISER DIAGRAM
SCALE: NTS

SYSTEM RISER DIAGRAM



NOTES FOR CCTV:

1. The purpose of the schematic diagram is to provide a general concept and principle of the proposed CCTV surveillance system.
2. Contractor to provide complete CCTV surveillance system to include all wiring and accessories, devices, equipment software and video analytics as may deem necessary for a successful operation of the system.
3. Quantity of a CAT6 conduit shall be:

CONDUIT SIZE	20mmØ	25mmØ	32mmØ
#24 AWG CAT 6	4	6	9

4. CCTV camera exposed in weather condition must be in a weatherproof enclosure.
5. All CCTV cameras for indoor are fixed dome type and for outdoor fixed outdoor camera.
6. PB2 and PB4 are 4u-wall mounted server rack/data cabinet attached near ceiling.

GENERAL NOTES:

1. Wiring shall be in a concealed conduit/trucking unless otherwise specified
2. The specialty contractor shall be responsible for the labeling of all equipment throughout the installation
3. The overall resistance for the earthing system shall comply with the latest edition of the Philippine electrical and electronics code.
4. The specialty contractor shall be responsible for the sealing of all cable/conduit penetration opening between floor slabs, and walls, etc with approved fire raring material/sealant.
5. The specialty contractor shall be responsible for the equipotential grounding /all metal parts completed to the nearest bonding electrical panel
6. All installation shall be in accordance with the latest edition of Philippine electrical/electronics code, EIA and BISCI code. They shall be painted with a coat of anti-rust paint and two coats of semi-gloss teak paint of best quality to the approval of the consultant.
7. All conduit layout and installation shall be identical in all rooms as much as possible.
8. Telecommunications outlet shall be Category 6 or otherwise stated
9. The contractor shall ensure that the power supplies for all equipment are adequately provided to quite the system requirements
10. All cable runs, either power, cable or signal shall be of continuous length and if splicing extension is necessary, all shall be done in either pull boxes, terminal box, or junction boxes.

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