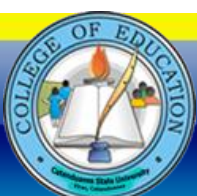




S.3 The laboratories are properly lighted and well-ventilated

The Laboratories used by Master of Arts in Guidance and Counselling conforms to the standards of proper lighting. The documents that supports this claim are the following:

1. **COPY OF CHAPTER VIII LIGHT AND VENTILATION OF THE PRESIDENTIAL DECREE (P.D.) NO. 1096 ACCEPTING A NATIONAL BUILDING CODE OF THE PHILIPPINES (NBCP) THEREBY REVISING REPUBLIC ACT NUMBERED SIXTY-FIVE HUNDRED FOURTY-ONE (R.A. No. 6541).** The highlighted part of the chapter states the standard for lighting and ventilation.
2. **PICTURES WITH DESCRIPTION OF THE TYPE OF LIGHTS.** The lighting of the CICT building were the same with all the existing laboratories of the Catanduanes State University. It uses firefly tubular fluorescent lights, without the troffer and firefly compact fluorescent bulb.
3. **PICTURES OF COMPUTER LABORATORY ROOMS** are located on A.S.2.





Mechanical systems and/or equipment installation shall be subject to the requirement of the Philippine Mechanical Engineering Code.

Section 709. Requirements for Other Group Occupancies.

Subject to the provisions of this Code, the Secretary shall promulgate rules and regulations for each of the other Group Occupancies covering: allowable construction, height, and area; location on property, exit facilities, light, ventilation, and sanitation; enclosures of vertical openings; fire extinguishing systems; and special hazards.

**CHAPTER VIII
LIGHT AND VENTILATION**

Section 801. General Requirements of Light and Ventilation.

- (a) Subject to the provisions of the Civil Code of the Philippines on Basement of Light and View and to the provisions of this part of the Code, every building shall be designed, constructed, and equipped to provide adequate light and ventilation.
- (b) All buildings shall face a street or public alley or a private street which has been duly approved.
- (c) No building shall be altered nor arranged so as to reduce the size of any room or the relative area of windows to less than that provided for buildings under this Code, or to create an additional room, unless such additional room conforms to the requirements of this Code.
- (d) No building shall be enlarged so that the dimensions of the required court or yard would be less than that prescribed for such building.

Section 802. Measurement of Site Occupancy.

- (a) The measurement of site occupancy or lot occupancy shall be taken at the ground level and shall be exclusive of courts, yards, and light wells.
- (b) Courts, yards, and light wells shall be measured clear of all projections from the walls enclosing such wells or yards with the exception of roof leaders, wall copings, sills, or steel fire escapes not exceeding 1.20 meters in width.

Section 803. Percentage of Site Occupancy.

- (a) Maximum site occupancy shall be governed by the use, type of construction, and height of the building and the use, area, nature, and location of the site; and subject to the provisions of the local zoning requirements and in accordance with the rules and regulations promulgated by the Secretary.

Section 804. Size and Dimensions of Courts.

- (a) Minimum size of courts and their least dimensions shall be governed by the use, type of construction, and height of the building as provided in the rules and regulations promulgated by the Secretary, provided that the minimum horizontal dimension of court shall be not less than 2.00 meters.





- (b) All inner courts shall be connected to a street or yard, either by a passageway with a minimum width of 1.20 meters or by a door through a room or rooms.

Section 805. Ceiling Heights.

- (a) Habitable rooms provided with artificial ventilation have ceiling heights not less than 2.40 meters measured from the floor to the ceiling; Provided that for buildings of more than one-storey, the minimum ceiling height of the first storey shall be 2.70 meters and that for the second storey 2.40 meters and succeeding storeys shall have an unobstructed typical head-room clearance of not less than 2.10 meters above the finished floor. Above stated rooms with a natural ventilation shall have ceiling height not less than 2.70 meters.
- (b) Mezzanine floors shall have a clear ceiling height not less than 1.80 meters above and below it.

Section 806. Size and Dimensions of Rooms.

- (a) Minimum sizes of rooms and their least horizontal dimensions shall be as follows:
1. Rooms for Human Habitations. 6.00 square meters with at least dimensions of 2.00
 2. Kitchens. 3.00 square meters with at least dimension of 1.50 meters;
 3. Bath and toilet. 1.20 square meters with at least dimension of 0.90 meters.

Section 807. Air Space Requirements in Determining the Size of Rooms.

- (a) Minimum space shall be provided as follows:
1. School Rooms. 3.00 cubic meters with 1.00 square meter of floor area per person;
 2. Workshops, Factories, and Offices. 12.00 cubic meters of space per person;
 3. Habitable rooms. 14.00 cubic meters of space per person.

Section 808. Window Openings.

- (a) Every room intended for any use, not provided with artificial ventilation system as herein specified in this Code, shall be provided with a window or windows with a total free area of openings equal to at least ten percent of the floor area of room, and such window shall open directly to a court, yard, public street or alley, or open water courses.

Section 809. Vent Shafts.

- (a) Ventilation or vent shafts shall have a horizontal cross-sectional area of not less than 0.10 square meter for every meter of height of shaft but in no case shall the area be less than 1.00 square meter. No vent shaft shall have its least dimension less than 600 millimeters.
- (b) Skylights. Unless open to the outer at the top for its full area, vent shaft shall be covered by a skylight having a net free area or fixed louver openings equal to the maximum required shaft area.
- (c) Air ducts shall open to a street or court by a horizontal duct or intake at a point below the lowest window opening. Such duct or intake shall have a minimum unobstructed cross-sectional area of not less than 0.30 square meter





with a minimum dimension of 300 millimeters. The openings to the duct or intake shall not be less than 300 millimeters above the bottom of the shaft and the street surface or level of court at the respective ends of the duct or intake.

Section 810. Ventilation Skylights.

- (a) Skylights shall have glass area not less than that required for the windows that are replaced. They shall be equipped with movable sashes or louvers with an aggregate net free area not less than that required for openable parts in the window that are replaced or provided with approved artificial ventilation of equivalent effectiveness.

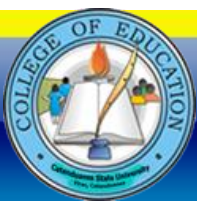
Section 811. Artificial Ventilation.

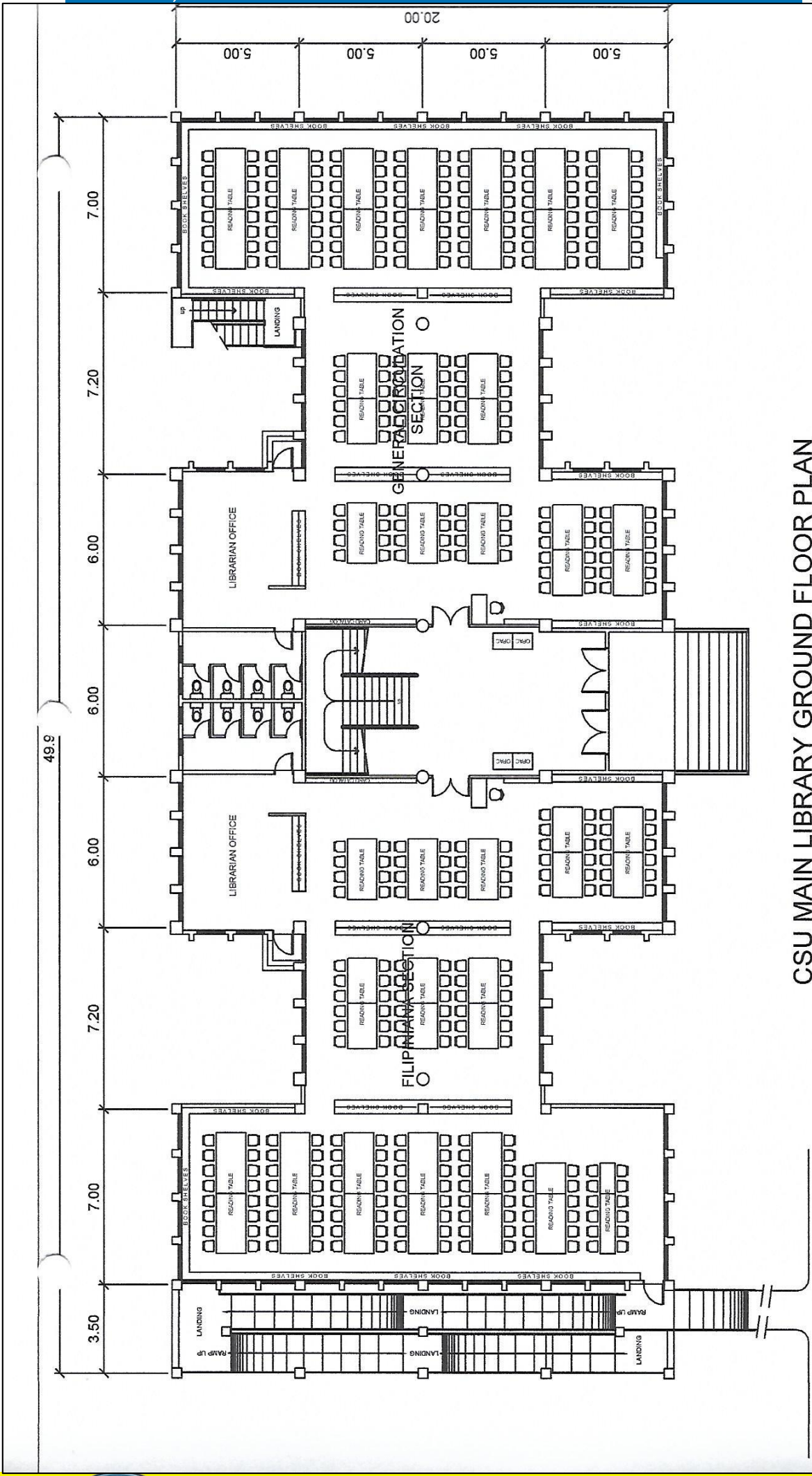
- (a) Rooms or spaces housing industrial or heating equipment shall be provided with artificial means of ventilation to prevent excessive accumulation of hot and/or polluted;
- (b) Whenever artificial ventilation is required, the equipment shall be designed and constructed to meet the following minimum requirements in changes:
1. For rooms entirely above grade and used for office, clerical, or administrative purposes, or as stores, sales rooms, restaurants, markets, factories, workshops, or machinery rooms, not less than three changes of air per hour shall be provided.
 2. For rooms entirely above grade and used as bakeries, hotel or restaurant kitchens, laundries other than accessory to dwellings, and boiler rooms not less than ten changes of air per hour shall be provided.
 3. For auditorium and other rooms used for assembly purposes, with seats or other accommodations not less than 0.03 cubic meter of air per minute shall be supplied for each person.
 4. For wards and dormitories of institutional buildings not less than 0.45 cubic meter of air per minute shall be supplied for each person accommodated.
 5. For other rooms or spaces not specifically covered under this Section of the Code, applicable provisions of the Philippine Mechanical Engineering Code, shall be followed.

**CHAPTER IX
SANITATION**

Section 901. General.

Subject to the provisions of Book II of the Civil Code of the Philippines on Property, Ownership, and its Modification, all buildings hereafter erected, altered, remodeled, relocated or repaired for human habitation shall be provided with adequate and potable water supply, plumbing installation, and suitable wastewater treatment or disposal system, storm water drainage, pest and vermin control, noise abatement device, and such other measures required

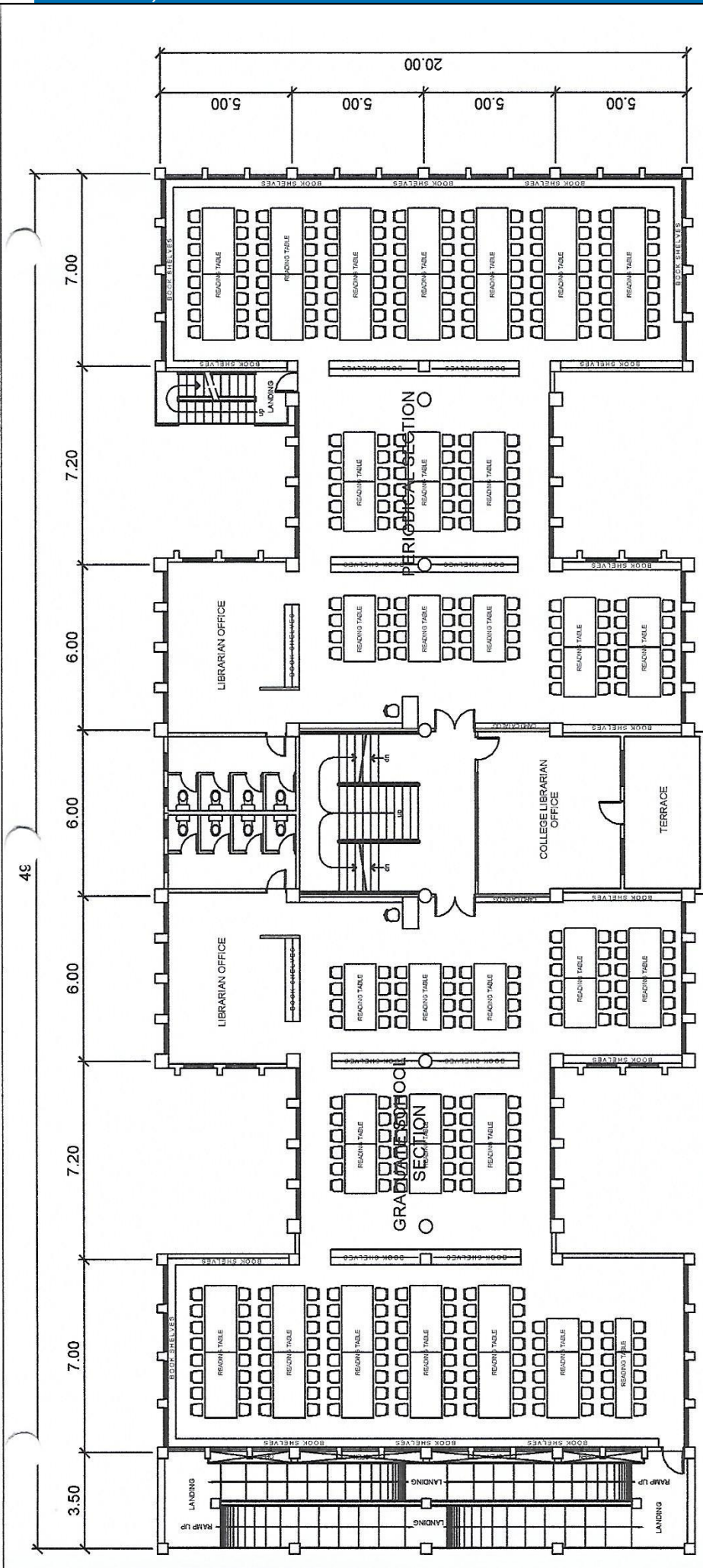




CSU MAIN LIBRARY GROUND FLOOR PLAN
 SCALE: 1:100 MTRS.

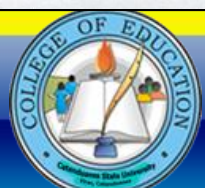
Project title / Location:	CSU MAIN LIBRARY BUILDING CSU, Main Campus, Virac, Catanduanes	Prepared by:	 GERALD C. MOLINA Member, TPC ENGR. CLARK RICHARD R. UCHI Member, TPC	Checked by:	 ENGR. JERILIFE G. TADOY Chairman, TPC/ Director, FOISS	Recommending Approval:	 MA. THERESA E. SARMIENTO, MBA VP, ADMINISTRATIVE AND FINANCIAL AFFAIRS	Approved:	 MINERVA I. MORALES, Ed. D. SUC President III
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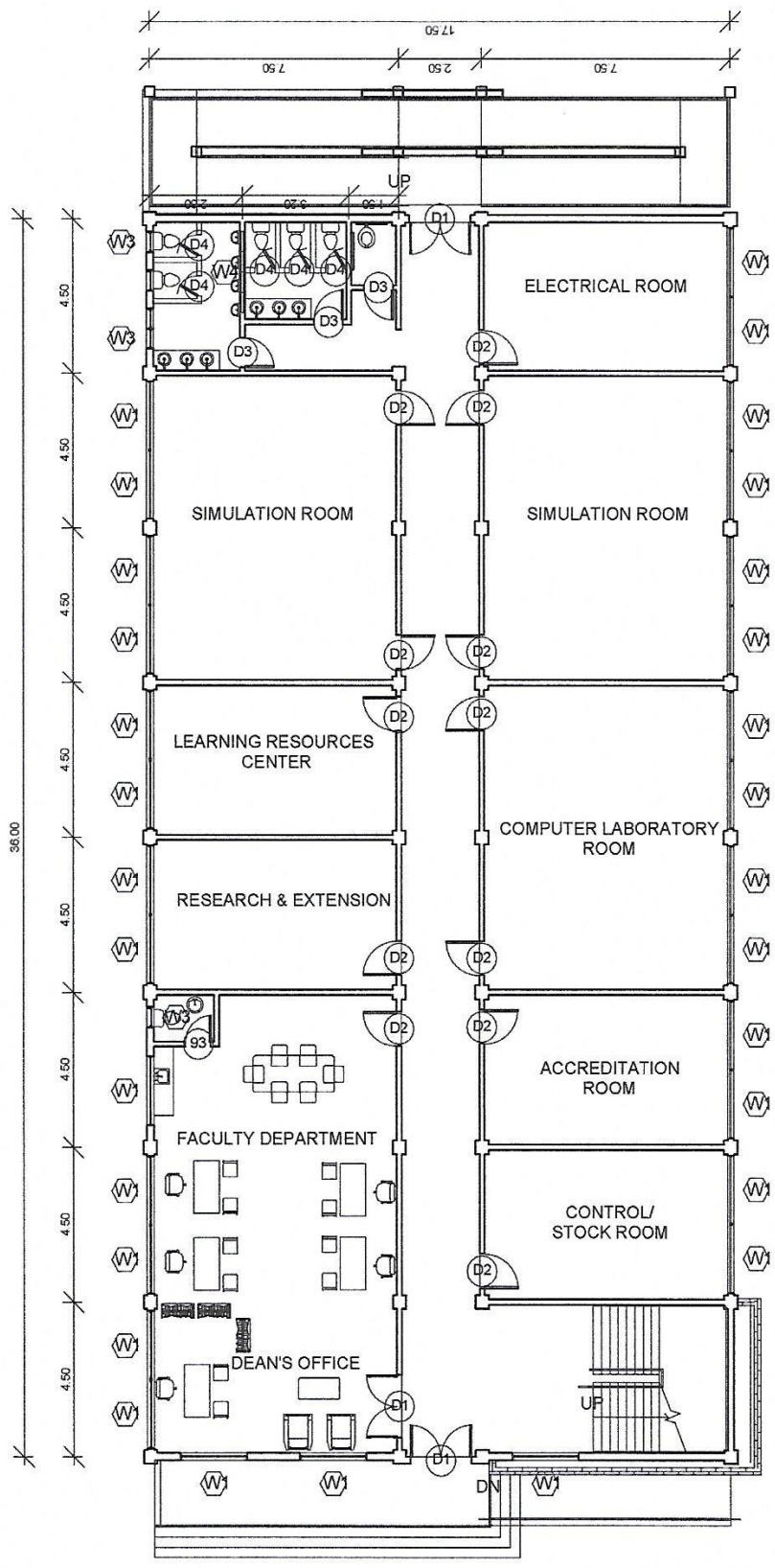




CSU MAIN LIBRARY SECOND FLOOR PLAN
 SCALE: 1:100 MTRS.

Project title / Location:	CSU MAIN LIBRARY BUILDING CSU, Main Campus, Virac, Catanduanes	Prepared by:	GERALD C. MOLINA Member, TPC ENGR. CLARK RICHARD R. UCHI Member, TPC	Checked by:	ENGR. JERILFE G. TADOY Chairman, TPC, Director, PDSS	Recommending Approval:	MA. THERESA E. SARMIENTO, MBA VP, ADMINISTRATIVE AND FINANCIAL AFFAIRS	Approved:	MINERVA I. MORALES, Ed. D. s1/c President III	Sheet 1
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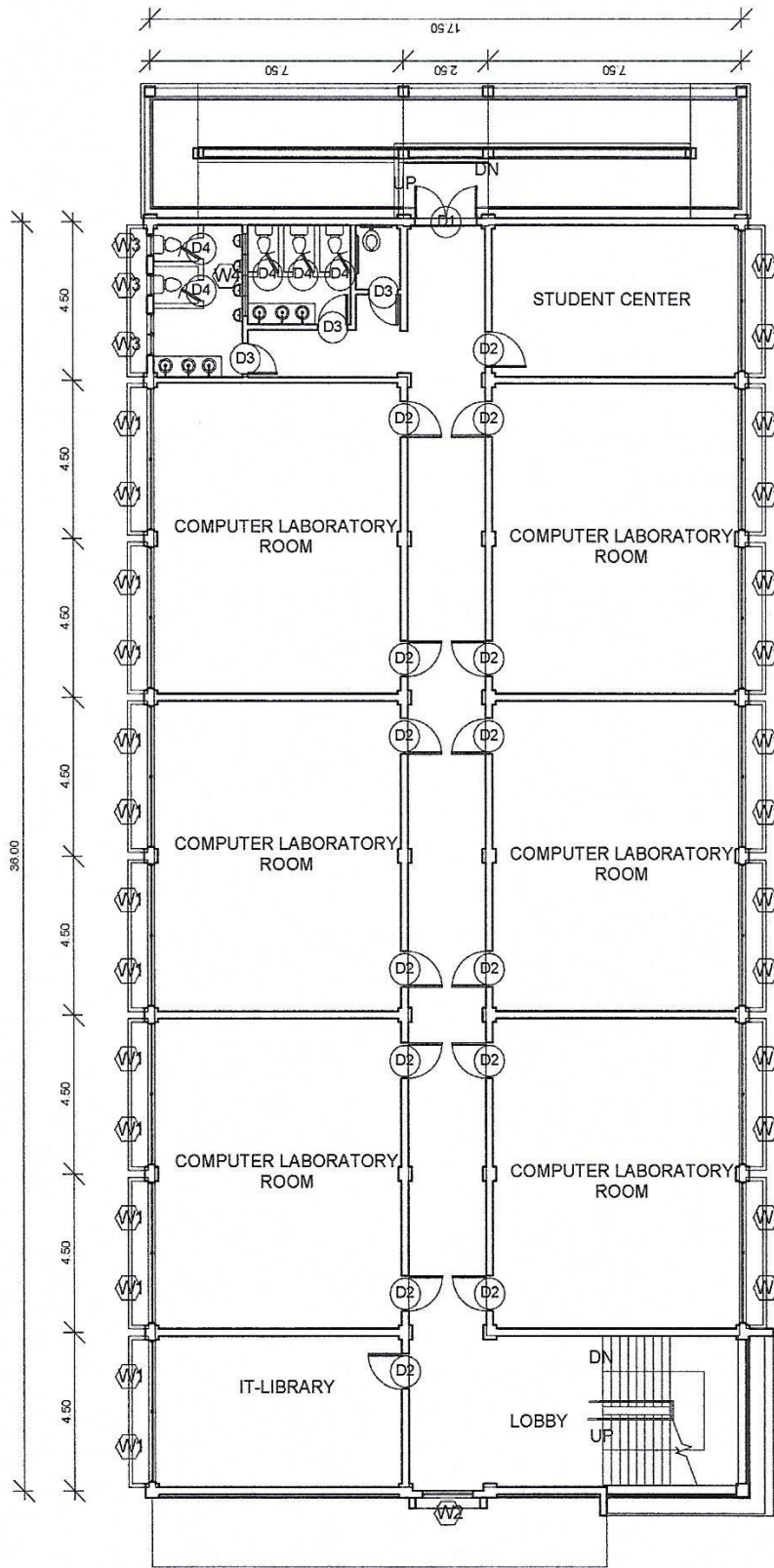




GROUND FLOOR PLAN
FLOOR AREA: 640.00 m²
 NTS

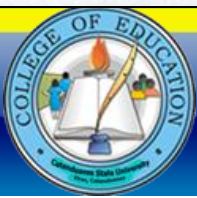
Project title / Location:	CICT BUILDING CSU, Main Campus, Virac, Catanduanes		
Prepared by:	GERALD C. MOLINA Member, TFC	ENGR. CLARK RICHARD R. UCHI Member, TFC	
Checked by:	ENGR. JERILEE G. TADAY Chairman, TFC/Director, PDSS		
Recommending Approval:	MA. THERESA E. SARMIENTO, MBA VP, ADMINISTRATIVE AND FINANCIAL AFFAIRS		
Approved:			MINERVA I. MORALES, Ed. D. SUC President III

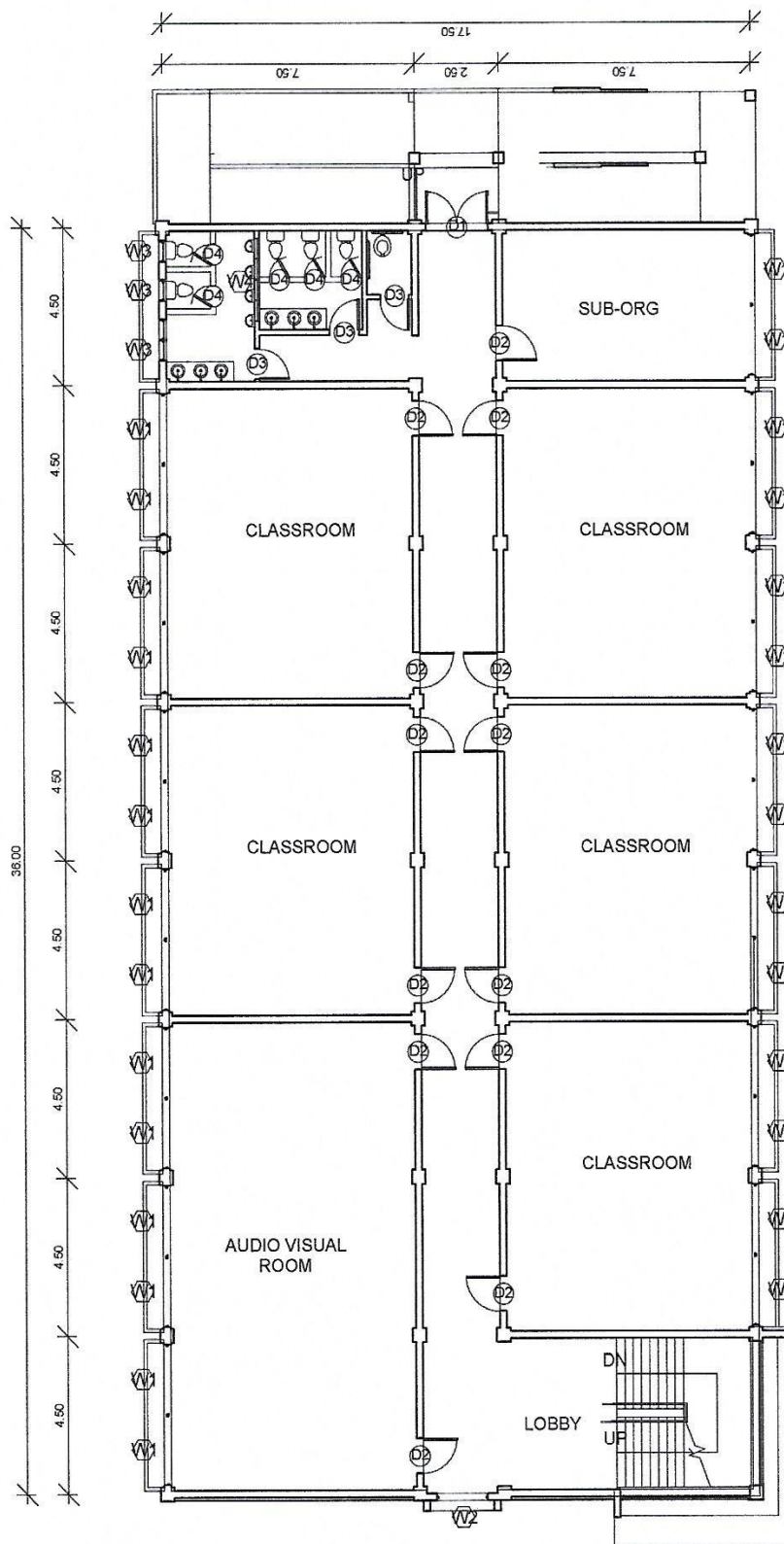




SECOND FLOOR PLAN
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 NTS

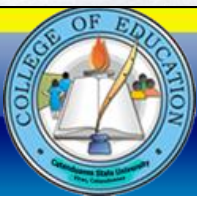
Project title / Location:	CICT BUILDING CSU, Main Campus, Virac, Catanduanes		
Prepared by:	GERALD C. MOLINA Member, TPC	ENGR. CLARK RICHARD R. UCHI Member, TPC	
Checked by:	ENGR. JERILFE G. TADOY Chairman, TPC Director, POISS		
Recommending Approval:	MA. THERESA E. SARMIENTO MBA UP, ADMINISTRATIVE AND FINANCIAL AFFAIRS		
Approved:			MINERVA I. MORALES, Ed. D. SICP, President III

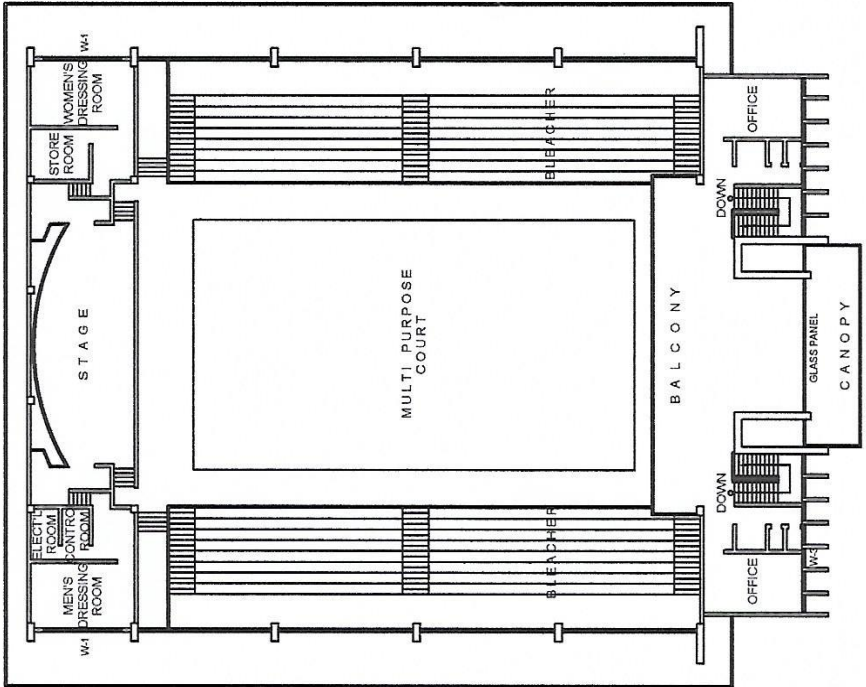




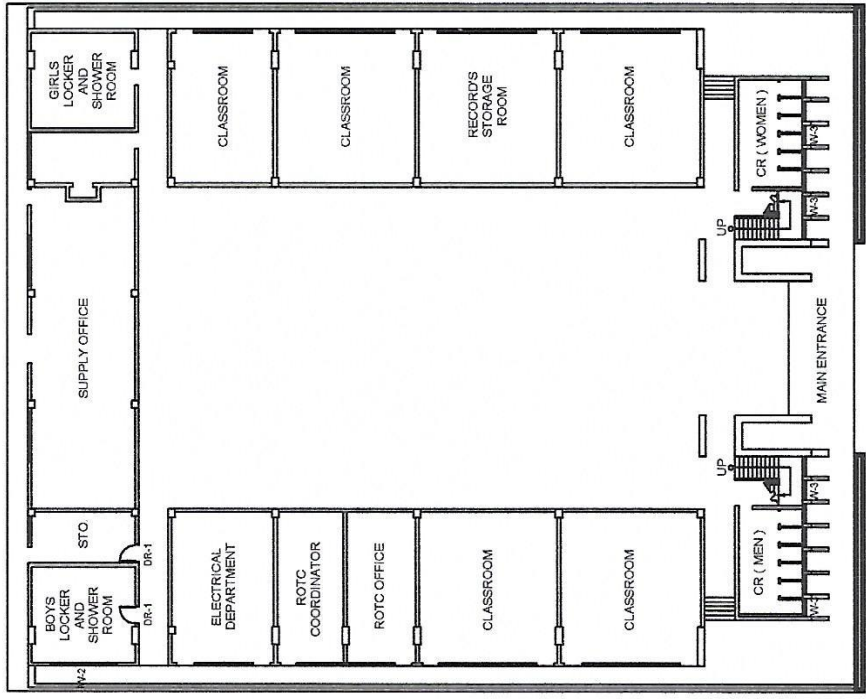
THIRD FLOOR PLAN
 FLOOR AREA: 640.00 m²
 NTS

Project title / Location:	CICT BUILDING CSU, Main Campus, Virac, Catanduanes		
Prepared by:	GERALD C. MOLINA Member, TPC ENGR. CLARK RICHARD R. UCHI Member, TPC	Checked by:	ENGR. JERILFE G. TADOY Chairman, TPC, Director, PDISS
Recommending Approval:	MA. THERESA E. SARMIENTO, MBA VP, ADMINISTRATIVE AND FINANCIAL AFFAIRS	Approved:	MINERVA I. MORALES, Ed. D. SUC President III



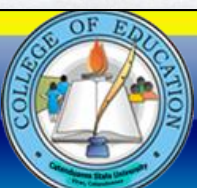


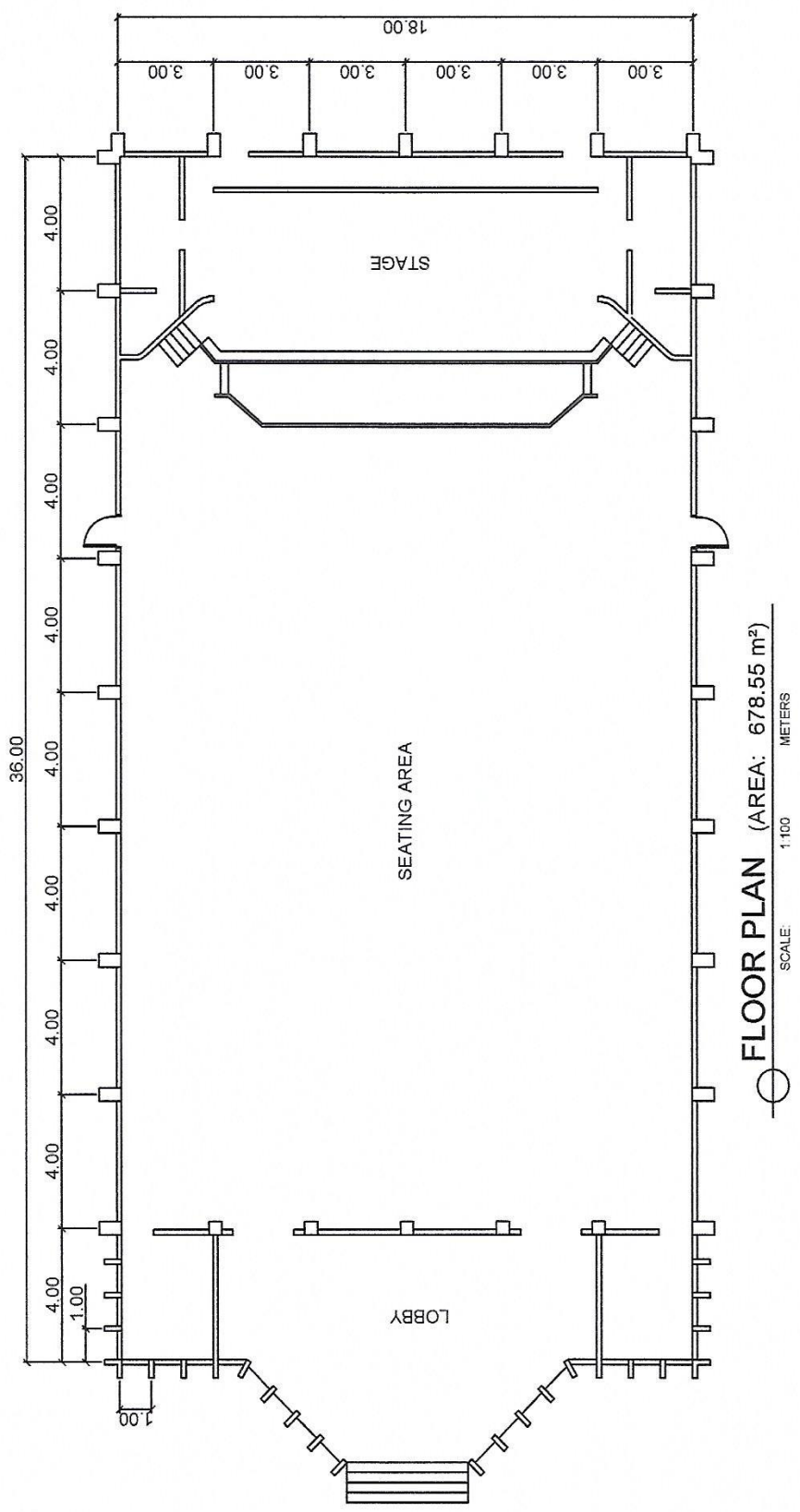
FLOOR PLAN: GYM UPPER
 SCALE 1:200 METERS



FLOOR PLAN: GYM LOWER
 (TOTAL FLOOR AREA = 3071.00m²)
 SCALE 1:200 METERS

Project title / Location:	Prepared by:	Checked by:	Recommending Approval:	Approved:
CSU GYMNASIUM BUILDING CSU, Main Campus, Virac, Catanduanes	GERALD C. MOLINA <small>Member, TFC</small> ENGR. CLARK RICHARD R. UCHI <small>Member, TFC</small>	ENGR. JERILIEE G. TADOY <small>Chairman, TFC; Director, PDSS</small>	MA. THERESA E. SARMIENTO, MBA <small>VP, ADMINISTRATIVE AND FINANCIAL AFFAIRS</small>	MINERVA I. MORALES, Ed. D. <small>SIC President III</small>





Project title / Location:	HUMAN RESOURCE DEVELOPMENT BUILDING CSU, Main Campus, Virac, Catanduanes	Prepared by:	 GERALD C. MOLINA Member, TPC ENGR. CLARK RICHARD R. UCHI Member, TPC	Checked by:	 ENGR. JERILCE G. TADOY Chairman, TPC Director, PDISS	Recommending Approval:	 MA. THERESA E. SARMIENTO, MBA VP. ADMINISTRATIVE AND FINANCIAL AFFAIRS	Approved:	 MINERVA I. MORALES, Ed. D. SUC- President III	Sheet
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