



MATERIAL TESTING LABORATORY



SOIL MECHANICS LABORATORY



MECHANICAL LABORATORY



MECHANICAL LABORATORY (EXTENSION)



HYDRAULICS LABORATORY



SURVEYING LABORATORY

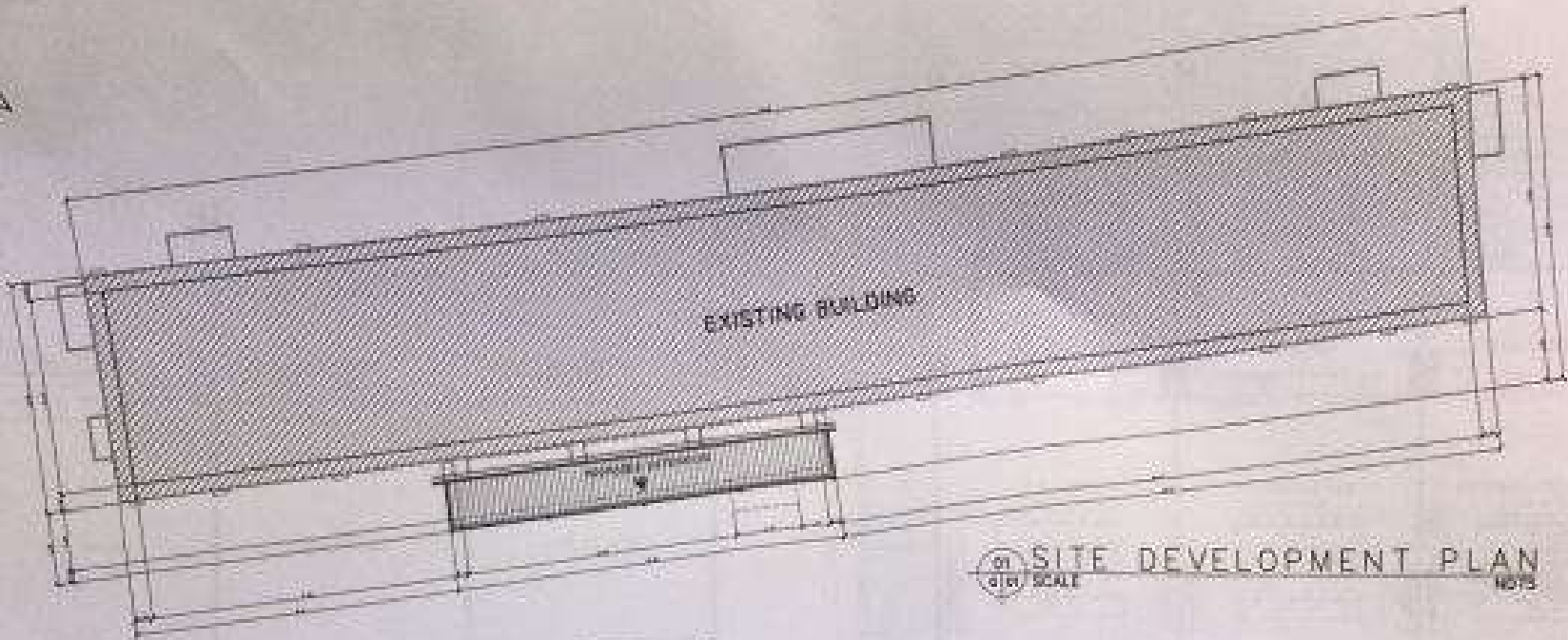
01 PERSPECTIVE  
4 BY SCALE NOTS

TABLE OF CONTENTS

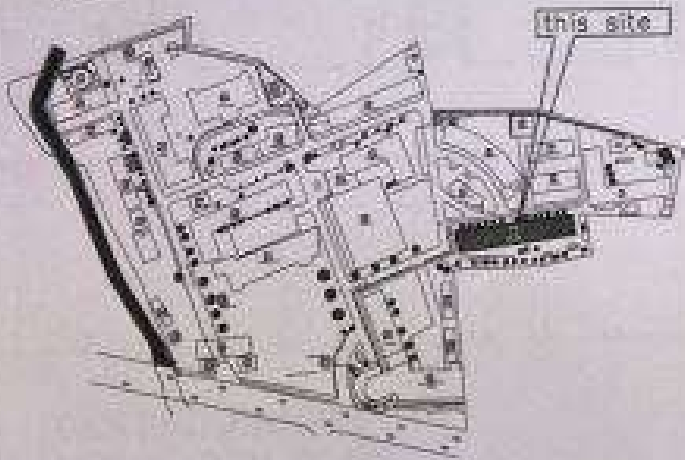
GEODETIC	
01	SITE DEVELOPMENT PLAN LOCATION PLAN VICINITY MAP
ARCHITECTURAL	
01	PERSPECTIVE
02	EXISTING FLOOR PLAN PROPOSED FLOOR PLAN
03	FACED PLAN LEFT SIDE ELEVATION RIGHT SIDE ELEVATION WALL SECTION DOOR SECTION LONGITUDINAL SECTION
04	WORKING DOORS DETAIL STAIR AND RAMPWORK DETAIL
STRUCTURAL	
05	FOUNDATION PLAN ROOF BEAM FRAMING PLAN COLUMN FOOTING DETAIL COLUMN DETAIL SLAB DETAIL
06	ROOF FRAMING PLAN ROOF ARCH DETAIL TRUSS CONNECTION DETAIL TRUSS DETAIL
PLUMBING	
07	PLUMBING SPECIFICATIONS WASTE DRAINAGE LAYOUT PLAN WATER SUPPLY LAYOUT PLAN ROOF TRAC DIAGRAM
ELECTRICAL	
08	LIGHTING SCHEDULE LAYOUT PLAN CONVENIENCE OUTLET LAYOUT PLAN SCHEDULE OF LOADS SCHEMATIC DIAGRAM LEGEND
MECHANICAL	
09	A/C SCHEDULE LAYOUT PLAN SCHEDULE OF LOADS SCHEMATIC DIAGRAM LEGEND

NOTS  
LABORATORY TOOLS &  
OTHER EQUIPMENTS NOT  
INCLUDED IN THE CONTRACT

<p>REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE &amp; TECHNOLOGY OF SOUTHERN PHILIPPINES OFFICE OF THE CHANCELLOR</p>	<p>PROJECT: PROPOSED IMPROVEMENT OF ENGINEERING LABORATORIES (OLD ENGINEERING BUILDING 5)</p>	<p>APPROVED BY: [Signature]</p>	<p>APPROVED BY: [Signature]</p>	<p>APPROVED BY: [Signature]</p>	<p>DATE: _____</p>	<p>SCALE: _____</p>	<p>PROJECT NO. _____</p>	<p>REVISION NO. _____</p>
					<p>PROJECT NO. _____</p>	<p>REVISION NO. _____</p>		



01 SITE DEVELOPMENT PLAN  
SCALE 1:100



02 LOCATION PLAN  
SCALE 1:100

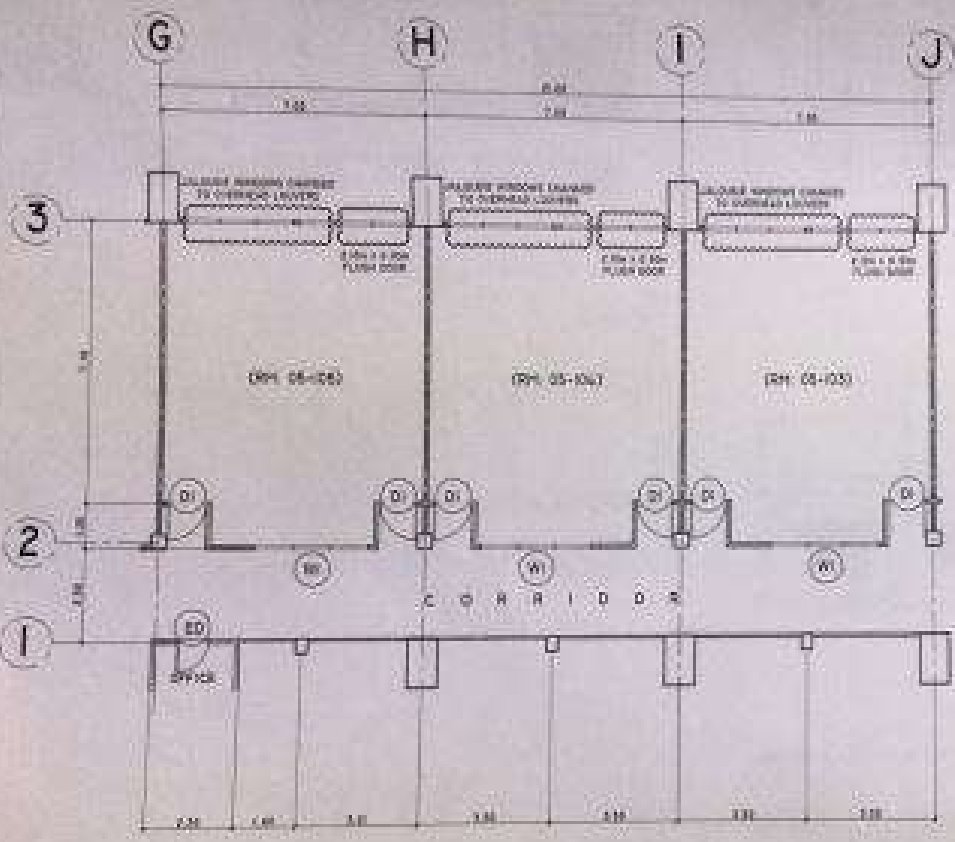


03 VICINITY MAP  
SCALE 1:1000

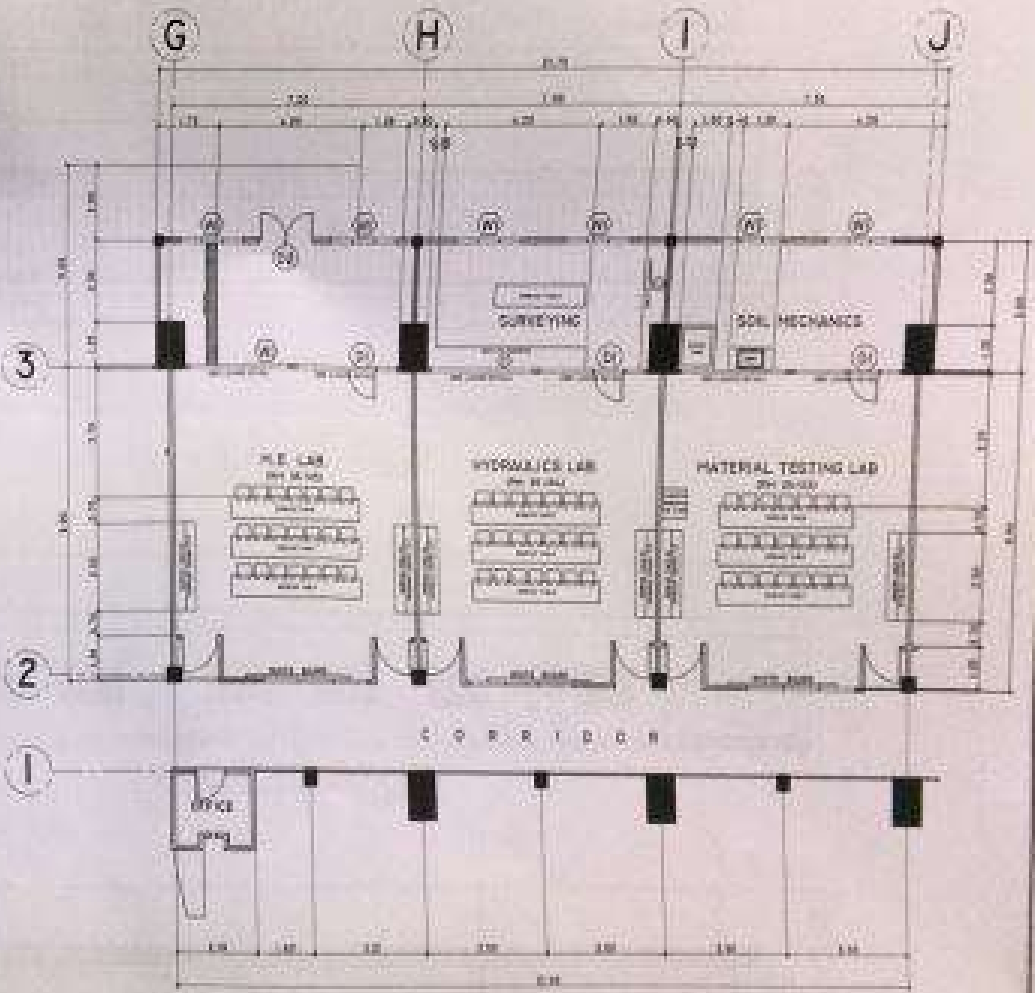
<p>REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE &amp; TECHNOLOGY OF SOUTHERN PHILIPPINES Davao City</p>	<p>PROJECT: PROPOSED IMPROVEMENT OF ENGINEERING LABORATORIES (OLD ENGINEERING BUILDING B)</p>	<p>DESIGNED BY: [Signature]</p>	<p>APPROVED BY: [Signature]</p>	<p>DATE: [Date]</p>
	<p>PROFESSOR: [Name]</p> <p>ARCHITECT: [Name]</p> <p>ENGINEER: [Name]</p>	<p>PROJECT NO. [Number]</p> <p>DATE: [Date]</p>	<p>SCALE: [Scale]</p>	<p>PROJECT NO. [Number]</p> <p>DATE: [Date]</p>

LEGEND

 TO BE DEMOLISHED/ALTERED



EXISTING FLOOR PLAN  
(DEMOLITION PLAN)  
SCALE: 1:1500/75



PROPOSED FLOOR PLAN  
SCALE: 1:1500/75





REPUBLIC OF THE PHILIPPINES  
UNIVERSITY OF SCIENCE & TECHNOLOGY OF  
SOUTHERN PHILIPPINES  
CVC AND UNIVERSITY WELFARE UNIT

APPROVED BY:  
  
ENGR. ANTHONY T. LARA, JR.  
PROJECT ENGINEER

PROJECT: PROPOSED IMPROVEMENT OF ENGINEERING LABORATORIES (OLD ENGINEERING BUILDING B)

LOCATION: 150 NORTH AVE., LARANGAN HILLS, CAGAYAN DE ORO CITY  
OWNER: UNIVERSITY OF SCIENCE & TECHNOLOGY OF SOUTHERN PHILIPPINES

DESIGNED BY:  
  
ENR. DONALD S. ALBINO

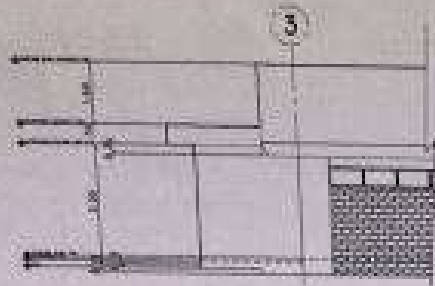
APPROVED BY:  
  
ENR. DONALD S. ALBINO

DATE: 08/20/2018

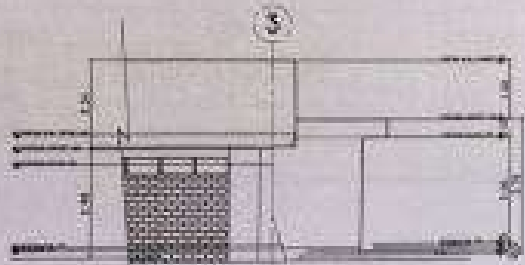
REVISIONS:

NO.	DESCRIPTION

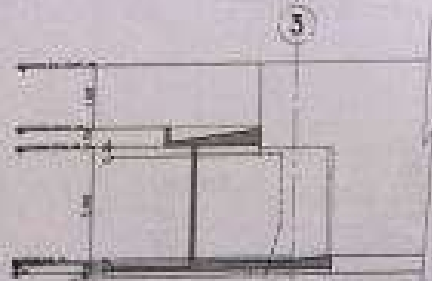
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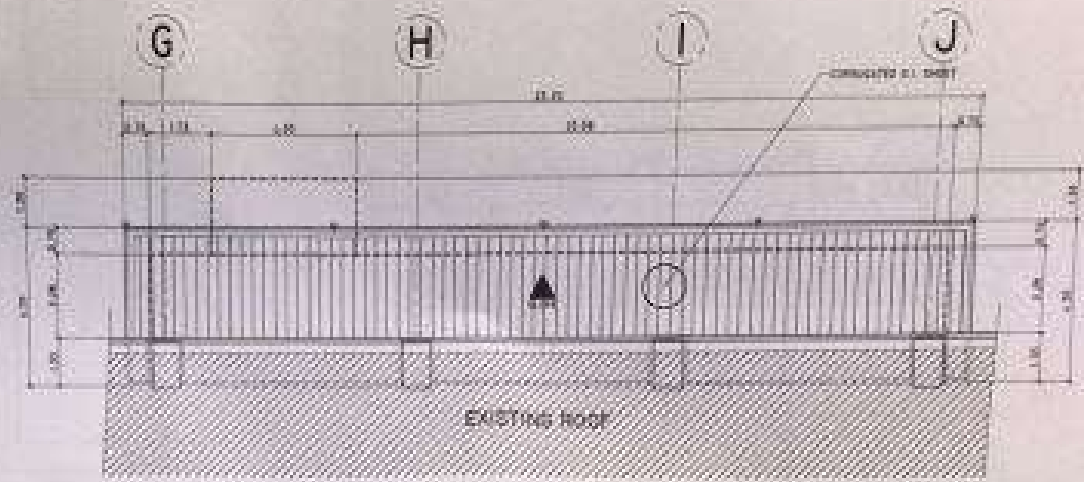
02 LEFT-SIDE ELEVATION  
1:1500TS



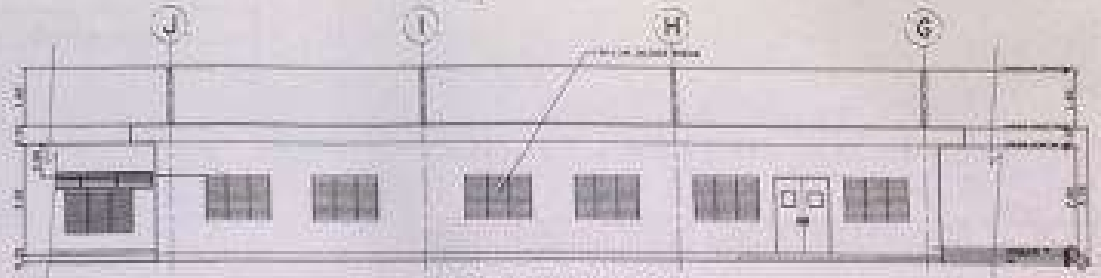
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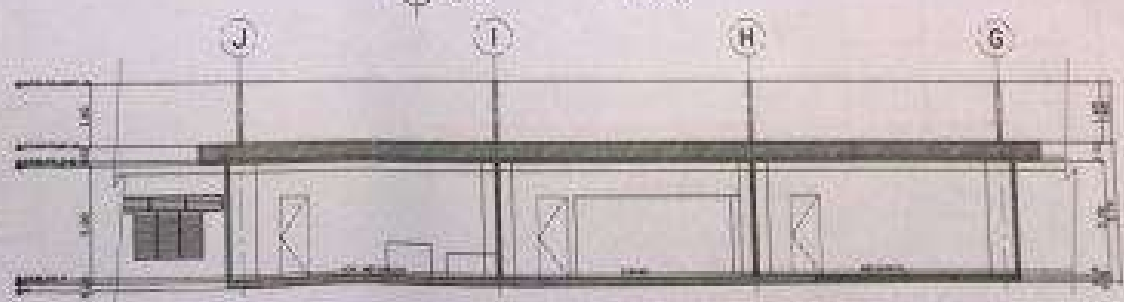
05 CROSS SECTION  
1:1500TS



01 ROOF PLAN  
1:1500TS



04 REAR ELEVATION  
1:1500TS



06 LONGITUDINAL SECTION  
1:1500TS



REPUBLIC OF THE PHILIPPINES  
UNIVERSITY OF SCIENCE & TECHNOLOGY OF  
SOUTHERN PHILIPPINES  
Davao City

DESIGNED BY  
ENGR. JAMES C. NOLAN, JR.  
REVISED BY

PROJECT  
LOCATION  
DATE

PROPOSED IMPROVEMENT OF ENGINEERING  
LABORATORIES  
(OLD ENGINEERING BUILDING B)

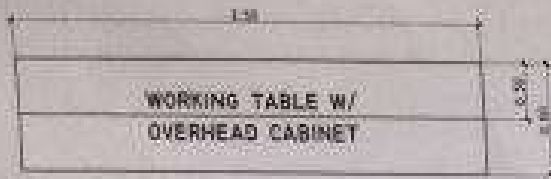
APPROVED BY  
ARCHITECT

APPROVED BY  
ENGINEER

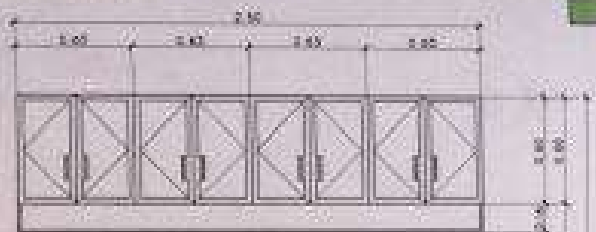
APPROVED BY  
SUPERVISOR

NO. OF SHEETS	DATE	SCALE
NO. OF SHEETS	DATE	SCALE
NO. OF SHEETS	DATE	SCALE

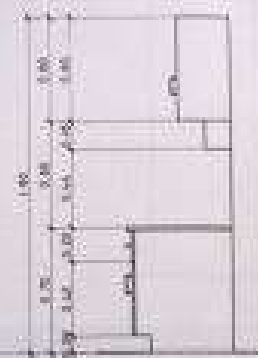




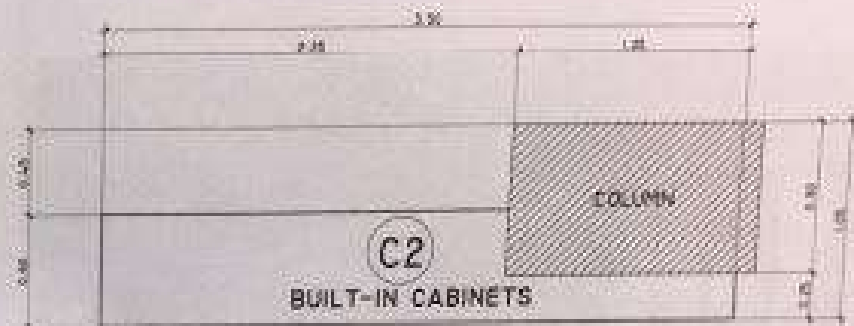
TOP VIEW



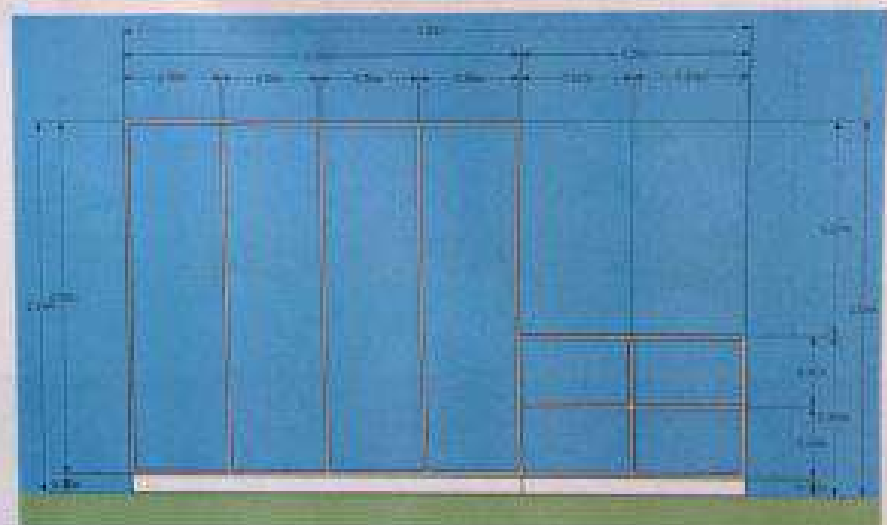
FRONT VIEW



RIGHT-SIDE VIEW



TOP VIEW



FRONT VIEW (A)

SCHEDULE	(T1)
TYPE	3/4 IN THK MARINE PLYWOOD PAINTED IN SEMI-GLOSS WHITE (W/ FRAMED GLASS CABINET DOOR)
SETS	6.0
LOCATION	LABORATORIES

WORKING TABLE W/ OVERHEAD CABINET DETAIL (T1)

1/4" = 1'-0" SCALE

1:30MYS

SCHEDULE	(C2)
TYPE	3/4 IN THK MARINE PLYWOOD PAINTED IN SEMI-GLOSS WHITE
SETS	1.0
LOCATION	SURVEYING

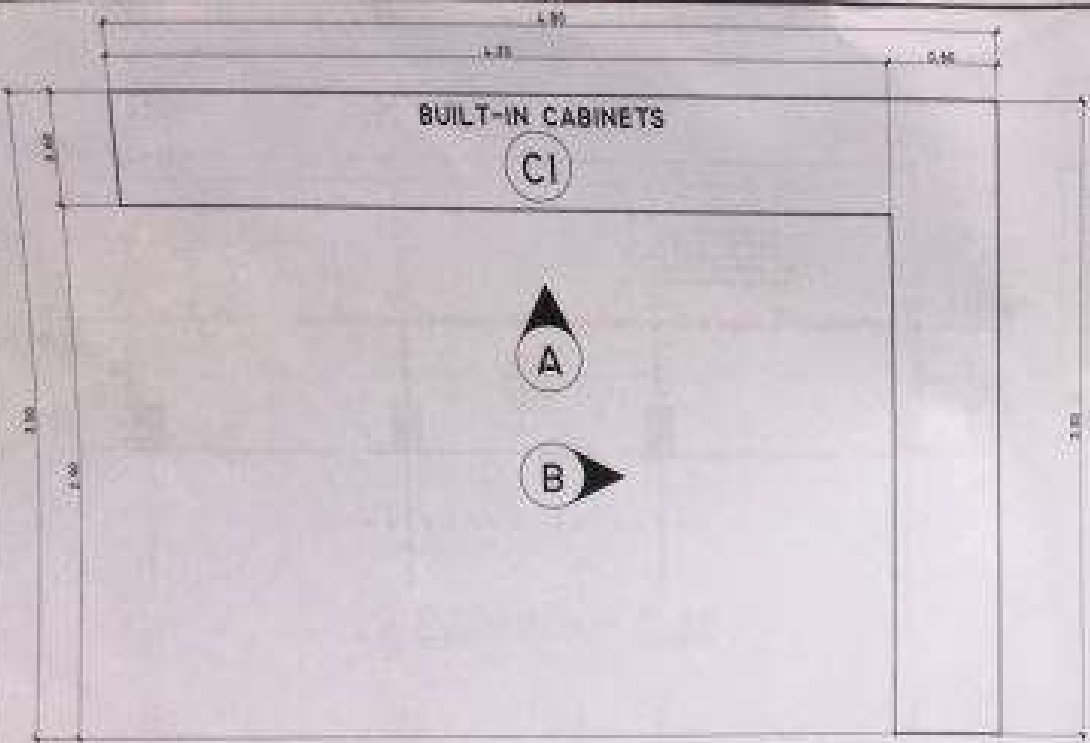
BUILT-IN CABINET DETAIL (C2)

1/4" = 1'-0" SCALE

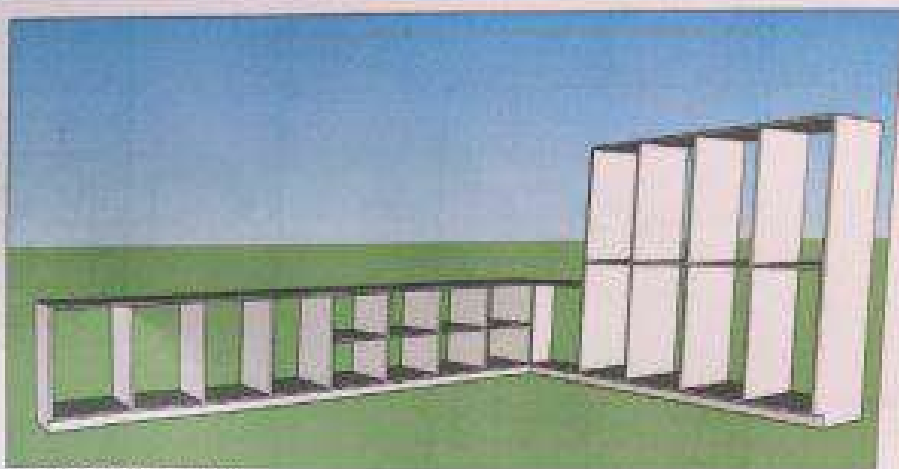
1:30MYS

<p>REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE &amp; TECHNOLOGY OF SOUTHERN PHILIPPINES P.O. Box 26000, Davao City 8022</p>	<p>DESIGNED BY ENGR. JACINTO C. NERI, JR. DATE: 05/10/2024</p>	<p>PROJECT PROPOSED IMPROVEMENT OF ENGINEERING LABORATORIES (OLD ENGINEERING BUILDING 3)</p>	<p>APPROVED BY [Signature]</p>	<p>DATE 05/10/2024</p>	<p>SCALE 1:30MYS</p>	<p>PROJECT NO. 2024-001</p>	<p>REVISIONS</p>	<p>DATE</p>	<p>BY</p>	<p>CHECKED BY</p>	<p>DATE</p>	<p>BY</p>	<p>DATE</p>
	<p>PROJECT NO. 2024-001</p>												



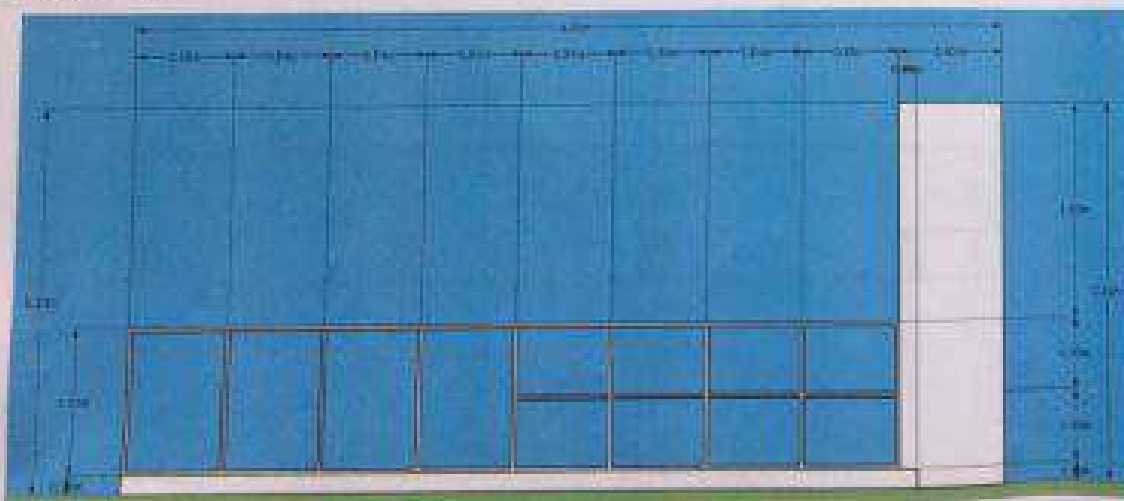


TOP VIEW

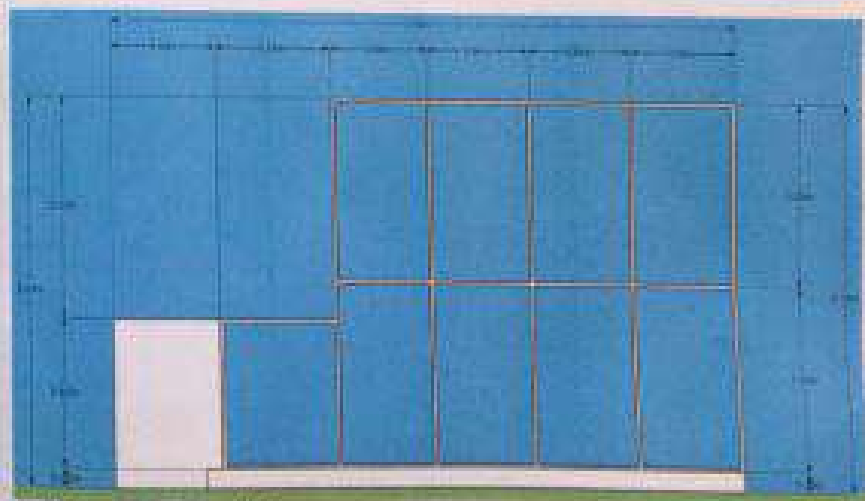


PERSPECTIVE VIEW

BUILT-IN CABINET DETAIL (C1)  
1:30MTS

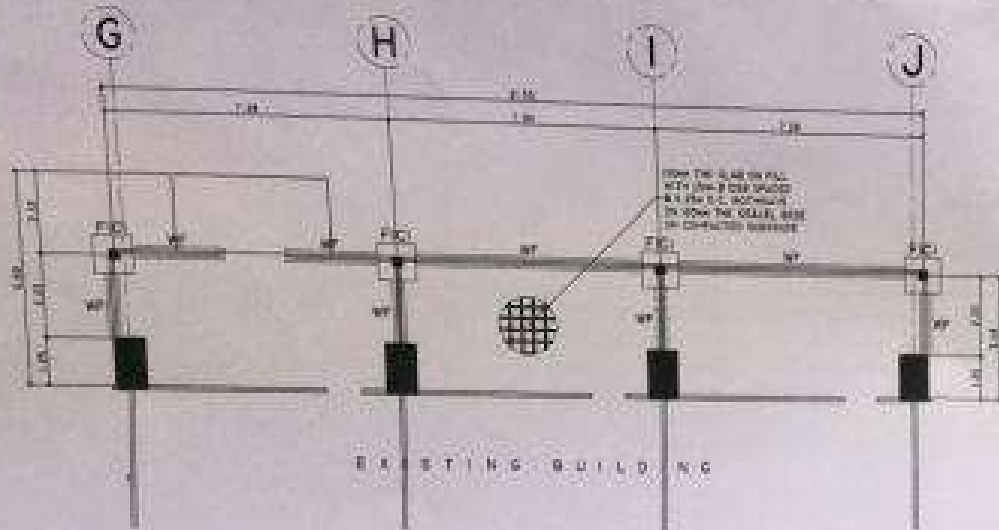


FRONT VIEW (A)

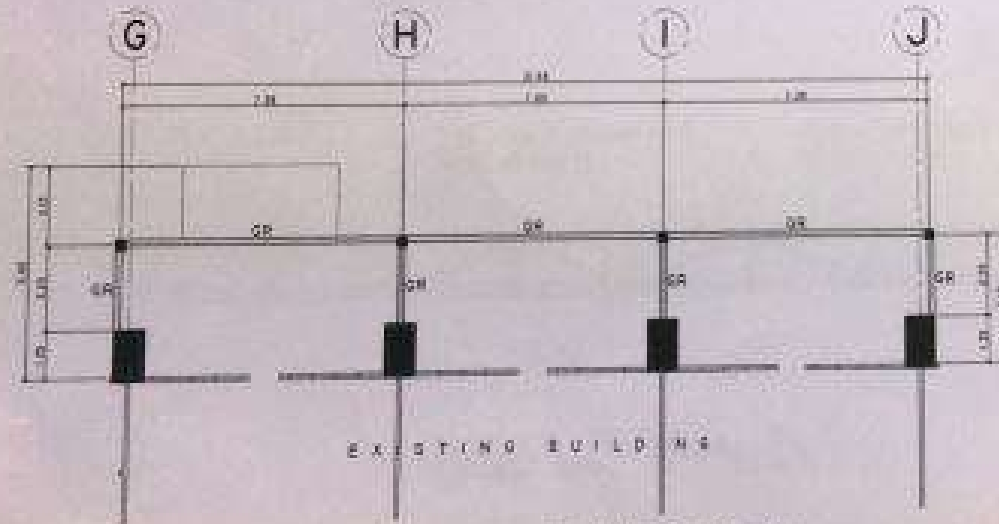


LEFT-SIDE VIEW (B)

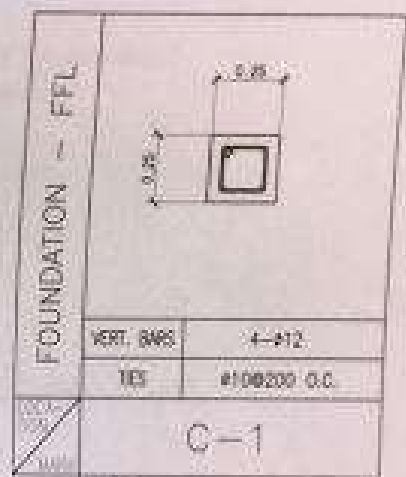
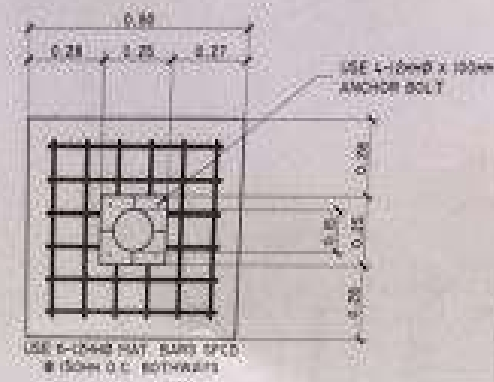
<p>REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE &amp; TECHNOLOGY OF SOUTHERN PHILIPPINES OFFICE OF THE VICE CHANCELLOR</p>	<p>DESIGNED BY: <b>ENGR. JACOB C. CARIL, JR.</b></p>	<p>PROJECT: <b>PROPOSED IMPROVEMENT OF ENGINEERING LABORATORIES (OLD ENGINEERING BUILDING 01)</b></p>	<p>APPROVED BY: <i>[Signature]</i></p>	<p>APPROVED BY: <i>[Signature]</i></p>	<p>APPROVED BY: <i>[Signature]</i></p>	<p>DATE: 10/15/2023</p>	<p>SCALE: AS SHOWN</p>	<p>NO. OF SHEETS: 01/01</p>
	<p>DATE: 10/15/2023</p>							



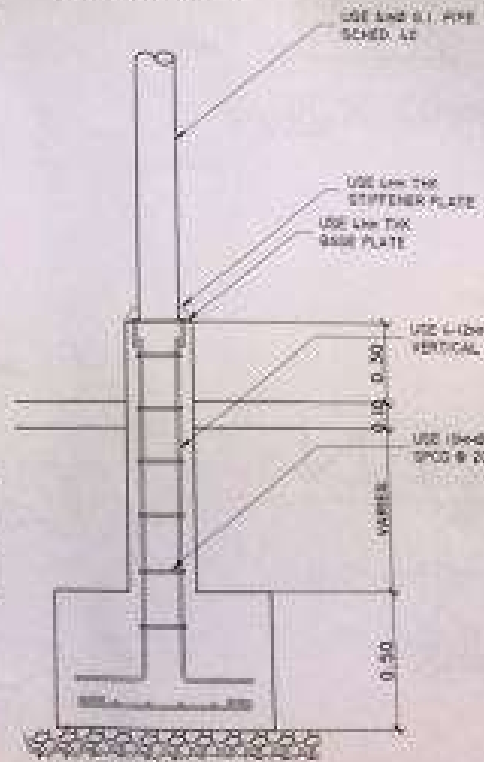
01 FOUNDATION PLAN  
1:150M



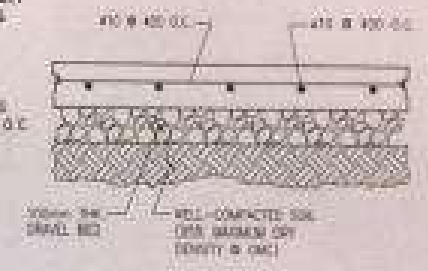
02 ROOF BEAM FRAMING PLAN  
1:150M



04 COLUMN DETAIL  
1:30M



03 COLUMN-FOOTING DETAIL  
1:30M

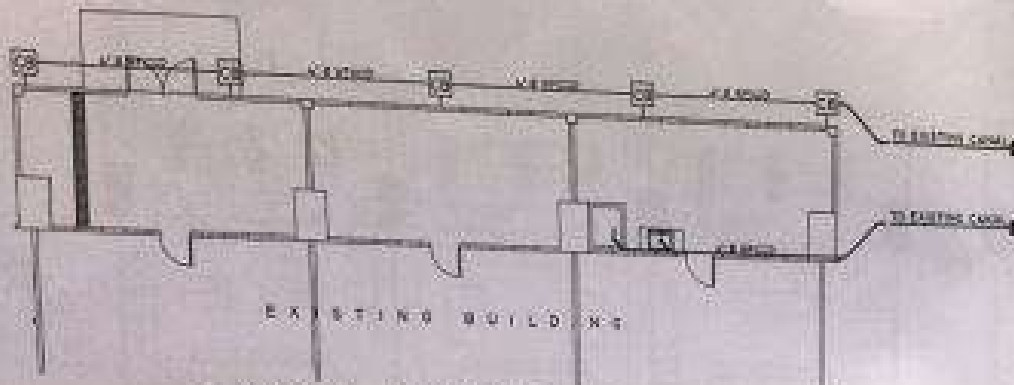


05 SLAB DETAIL  
1:30M

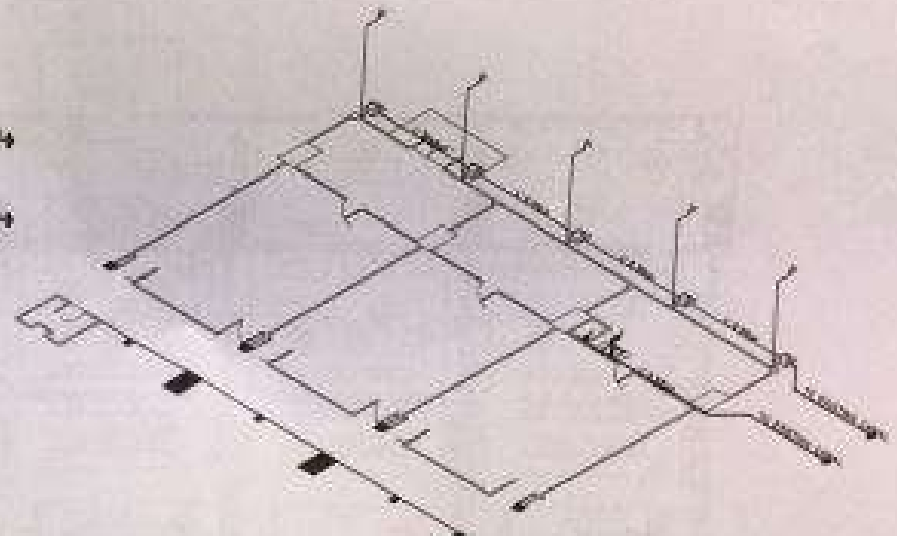
<p>REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE &amp; TECHNOLOGY OF SOUTHERN PHILIPPINES THE JOLO CAMPUS - JOLO CITY</p>	<p>PROJECT: PROPOSED IMPROVEMENT OF ENGINEERING LABORATORIES (OLD ENGINEERING BUILDING)</p>	<p>DESIGNED BY: ENGR. ALBERTO M. MORALES</p>	<p>CHECKED BY: ENGR. ALBERTO M. MORALES</p>	<p>APPROVED BY: ENGR. ALBERTO M. MORALES</p>	<p>DATE: 10/10/2023</p>
	<p>LOCATION: C-1</p>	<p>SCALE: 1:150M</p>	<p>DATE: 10/10/2023</p>	<p>DATE: 10/10/2023</p>	<p>DATE: 10/10/2023</p>



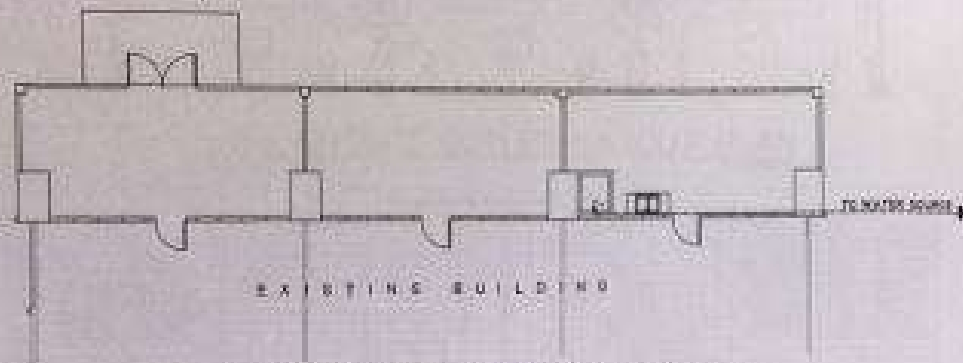




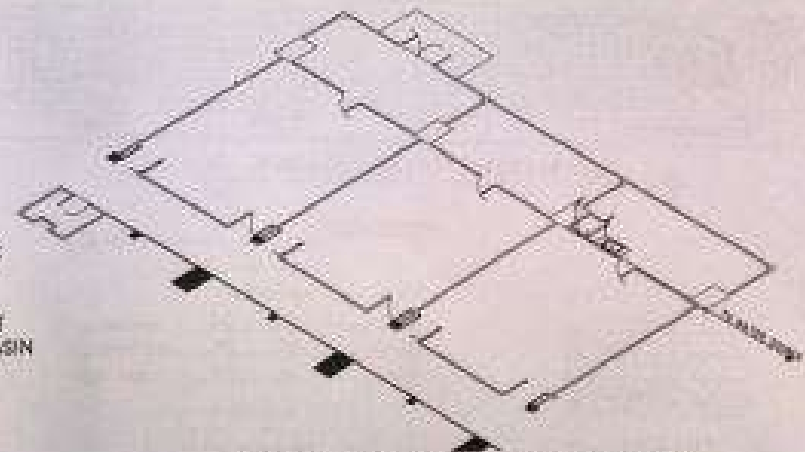
01 WASTE DRAINAGE LAYOUT PLAN  
P/10 SCALE  
1:150MTS



02 WASTE DRAINAGE LAYOUT PLAN  
ISOMETRIC DIAGRAM  
P/10 SCALE  
NOTE



03 WATER SUPPLY LAYOUT PLAN  
P/10 SCALE  
1:150MTS



04 WATER SUPPLY LAYOUT PLAN  
ISOMETRIC DIAGRAM  
P/10 SCALE  
NOTE

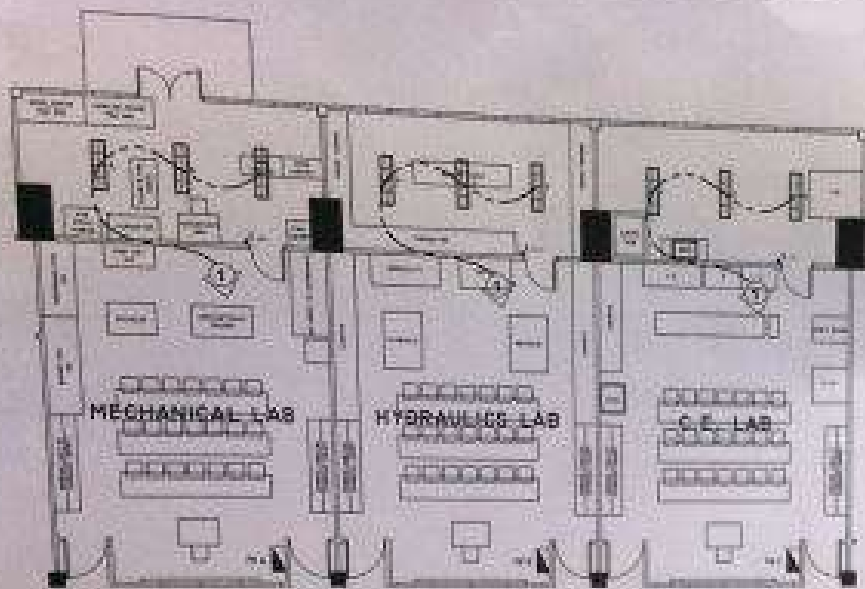
SPECIFICATIONS:

1. ALL PLUMBING INSTALLATION WORK SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LOCAL ORDINANCE & PERTINENT PROVISIONS OF THE EXISTING BUILDING CODE.
2. ALL PLUMBING INSTALLATION WORK SHALL BE DONE UNDER THE DIRECT SUPERVISION & RESPONSIBLE DIRECTION OF A DULY LICENSED SANITARY ENGINEER OR MASTER PLUMBER.
3. ALL MATERIALS TO BE USED SHALL BE BRAND NEW OR APPROVED QUALITY, STANDARD INSTALLATION & FREE FROM DEFECTS.

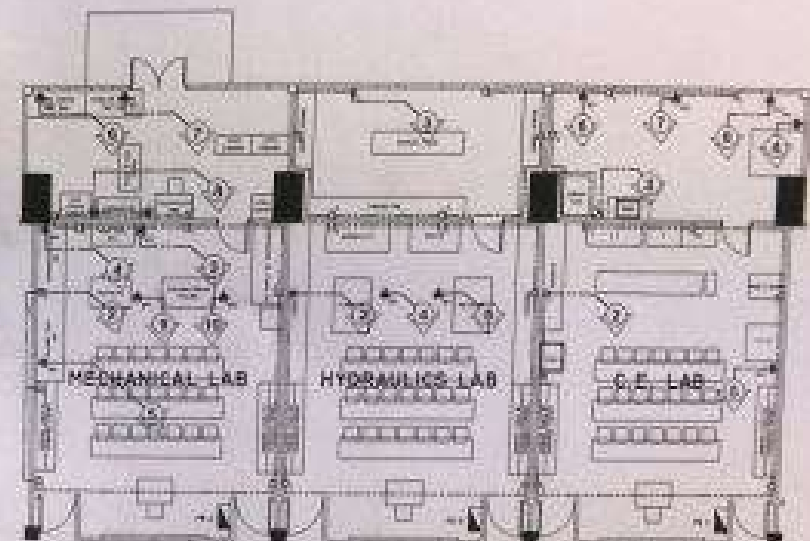
KEY TO SYMBOLS:

- D - DRAIN
- CO - CLEANOUT
- CB - CATCH BASIN
- F - FAUCET

<p>REPUBLIC OF THE PHILIPPINES UNIVERSITY OF SCIENCE &amp; TECHNOLOGY OF SOUTHERN PHILIPPINES 1015 DAVAO DEL SUR AVENUE D.A.V. CAMP, DAVAO DEL SUR 8114</p>	<p>PROJECT: PROPOSED IMPROVEMENT OF ENGINEERING LABORATORIES (OLD ENGINEERING BUILDING 5)</p>	<p>DESIGNED BY: [Signature]</p>	<p>CHECKED BY: [Signature]</p>	<p>APPROVED BY: [Signature]</p>	<p>DATE: [Date]</p>	<p>SCALE: [Scale]</p>	<p>PROJECT NO. [Number]</p>	<p>DATE: [Date]</p>
		<p>PROJECT: PROPOSED IMPROVEMENT OF ENGINEERING LABORATORIES (OLD ENGINEERING BUILDING 5)</p>	<p>DESIGNED BY: [Signature]</p>	<p>CHECKED BY: [Signature]</p>	<p>APPROVED BY: [Signature]</p>	<p>DATE: [Date]</p>	<p>SCALE: [Scale]</p>	<p>PROJECT NO. [Number]</p>



01 LIGHTING OUTLET LAYOUT PLAN  
1:1500TS



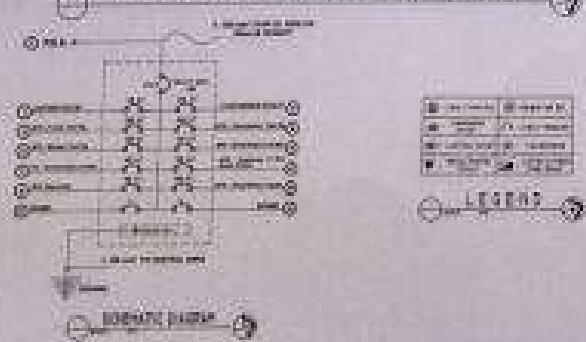
02 CONVENIENCE OUTLET LAYOUT PLAN  
1:1500TS

NO.	DESCRIPTION	AMPERES	VOLTS	WATTS	TYPE	REMARKS
1	MECHANICAL LAB					
2	HYDRAULICS LAB					
3	C.E. LAB					

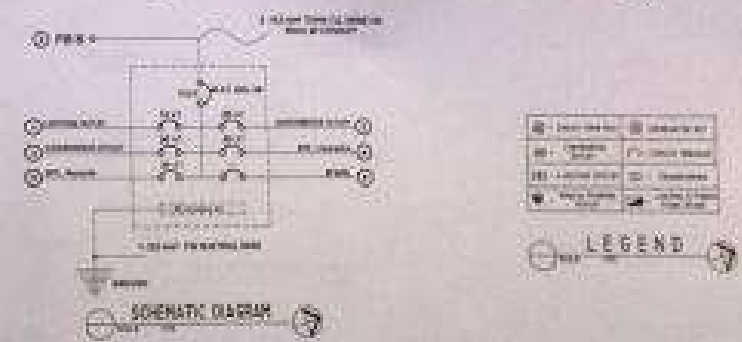
MECHANICAL LABORATORY SCHEDULE OF LOADS

NO.	DESCRIPTION	AMPERES	VOLTS	WATTS	TYPE	REMARKS
1	MECHANICAL LAB					
2	HYDRAULICS LAB					
3	C.E. LAB					

HYDRAULICS LABORATORY SCHEDULE OF LOADS



SCHEMATIC DIAGRAM



SCHEMATIC DIAGRAM



REPUBLIC OF THE PHILIPPINES  
UNIVERSITY OF SOUTHERN PHILIPPINES  
OFFICE OF THE CHANCELLOR  
DUPONT DRIVE, DAVAO CITY

PROJECT: PROPOSED IMPROVEMENT OF ENGINEERING LABORATORIES (OLD ENGINEERING BUILDING 2)  
LOCATION: UNIVERSITY OF SOUTHERN PHILIPPINES  
DATE: 2018

DESIGNED BY: [Signature]  
CHECKED BY: [Signature]  
APPROVED BY: [Signature]

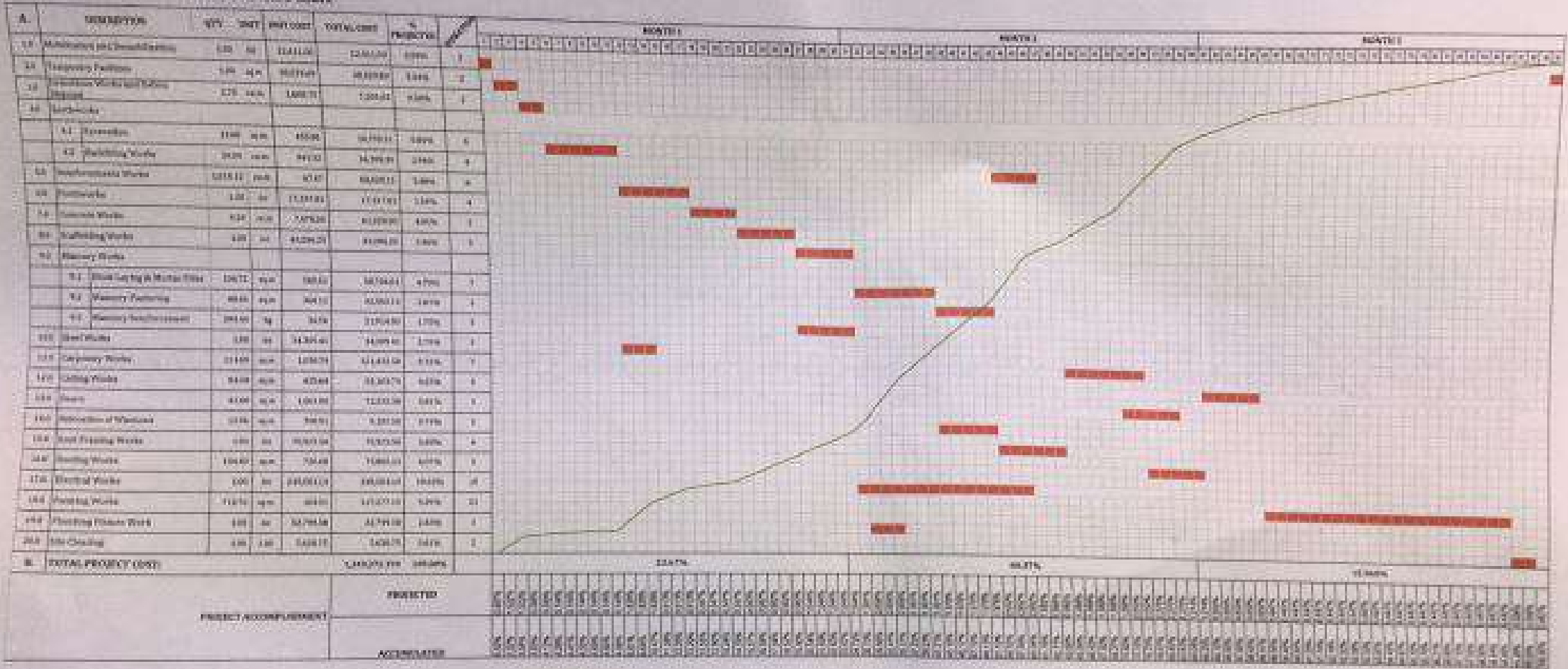
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[Signature]			





Project Title  
 Location  
 Center  
 Subject

**PROPOSED IMPROVEMENT OF ENGINEERING LABORATORIES AT USTP-CDO CAMPUS**  
 USTP-CDO Campus, C.M. Recto Ave., Lapasan, Davao de Oro City  
 University of Science and Technology of Southern Philippines  
**BAR CHART AND S-CURVE**



Prepared by:  
**ENGR. ANICHO C. VERJIL**  
 Head, COMET

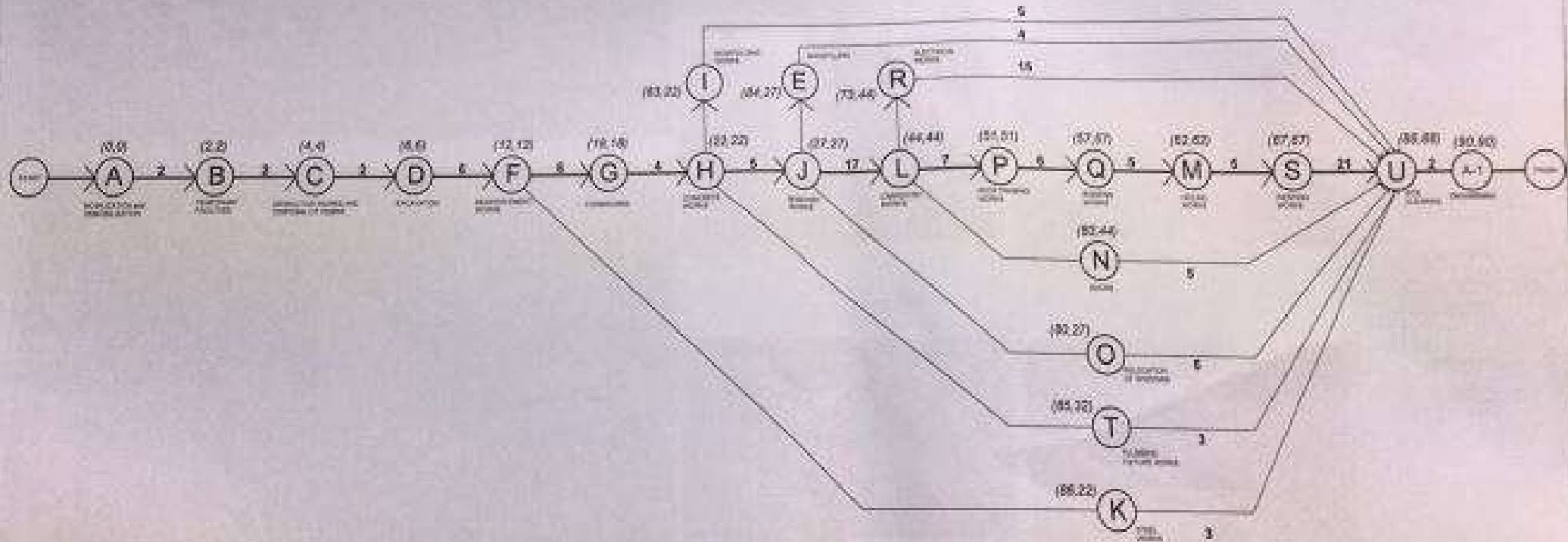
Recommended by:  
**ENGR. L. MAUREA**  
 Vice-Chancellor, Finance and Administration

Checked by:  
**DR. ESTRELLA S. DUMAY**  
 Director, Office of the Vice-Chancellor

Approved by:  
**DR. ESTRELLA S. DUMAY**  
 Director, USTP-CDO Campus

Project : PROPOSED IMPROVEMENT OF ENGINEERING LABORATORIES  
 Location : USTP CDO CAMPUS  
 Owner : UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

**PERT / CPM**  
 90 CALENDAR DAYS



PREPARED BY:

ENGR. ANICETO C. NERI, JR.  
 HEAD, CIVIL AND SANITARY WORKS  
 SECTION

RECOMMENDING APPROVAL:

AR. FERDINAND L. TORRES  
 DEPUTY DIRECTOR FOR FACILITY MANAGEMENT  
 SERVICES

RECOMMENDING APPROVAL:

ENGR. ALLEN L. MOURAL  
 VICE CHANCELLOR FOR FINANCE AND  
 ADMINISTRATION

APPROVED:

ATTY. GONZA R. ABINIA  
 CHANCELLOR, USTP - CDO CAMPUS