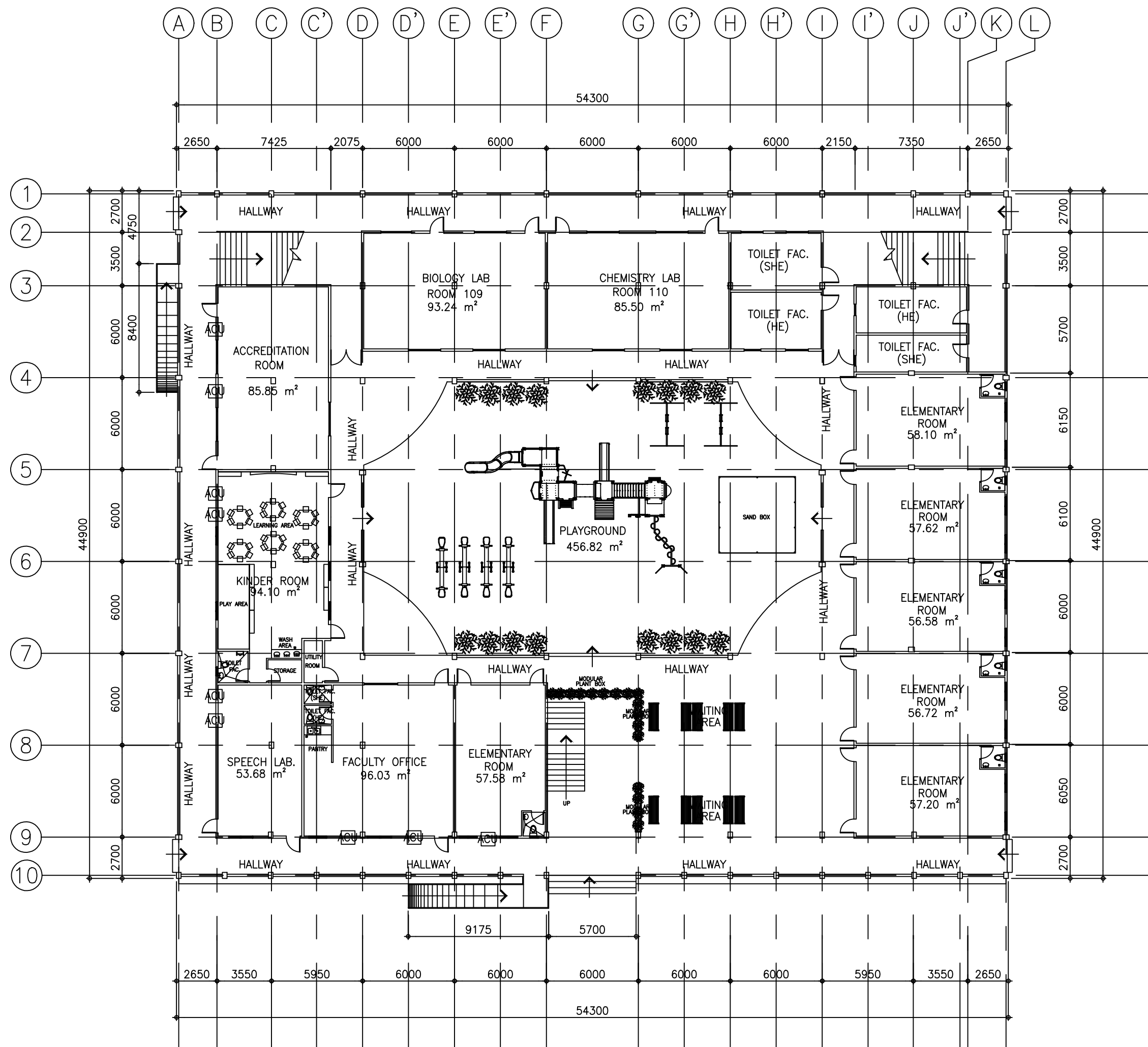
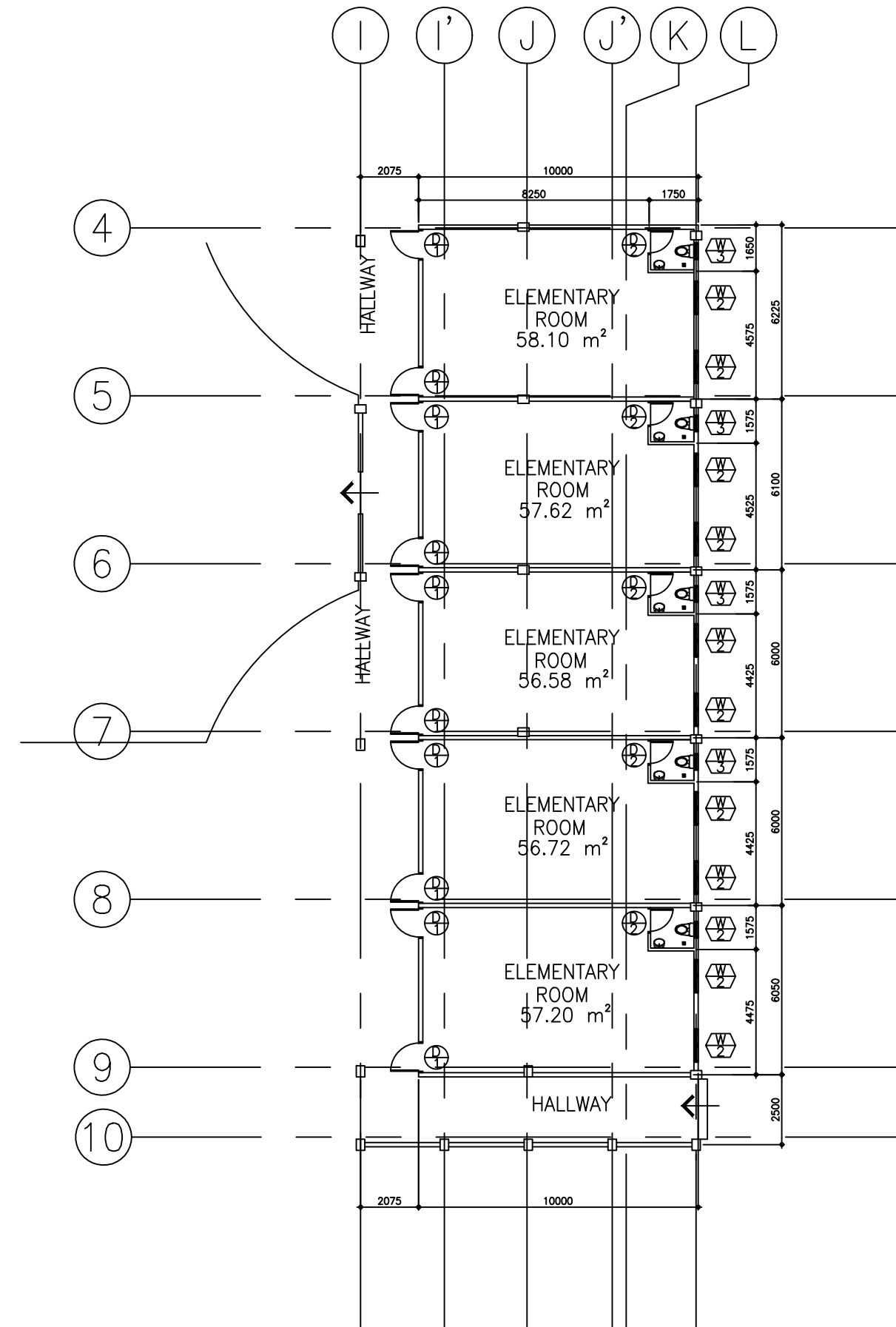




A
A-1 | A-1
GROUND FLOOR PLAN
SCALE : 1:400 MTS



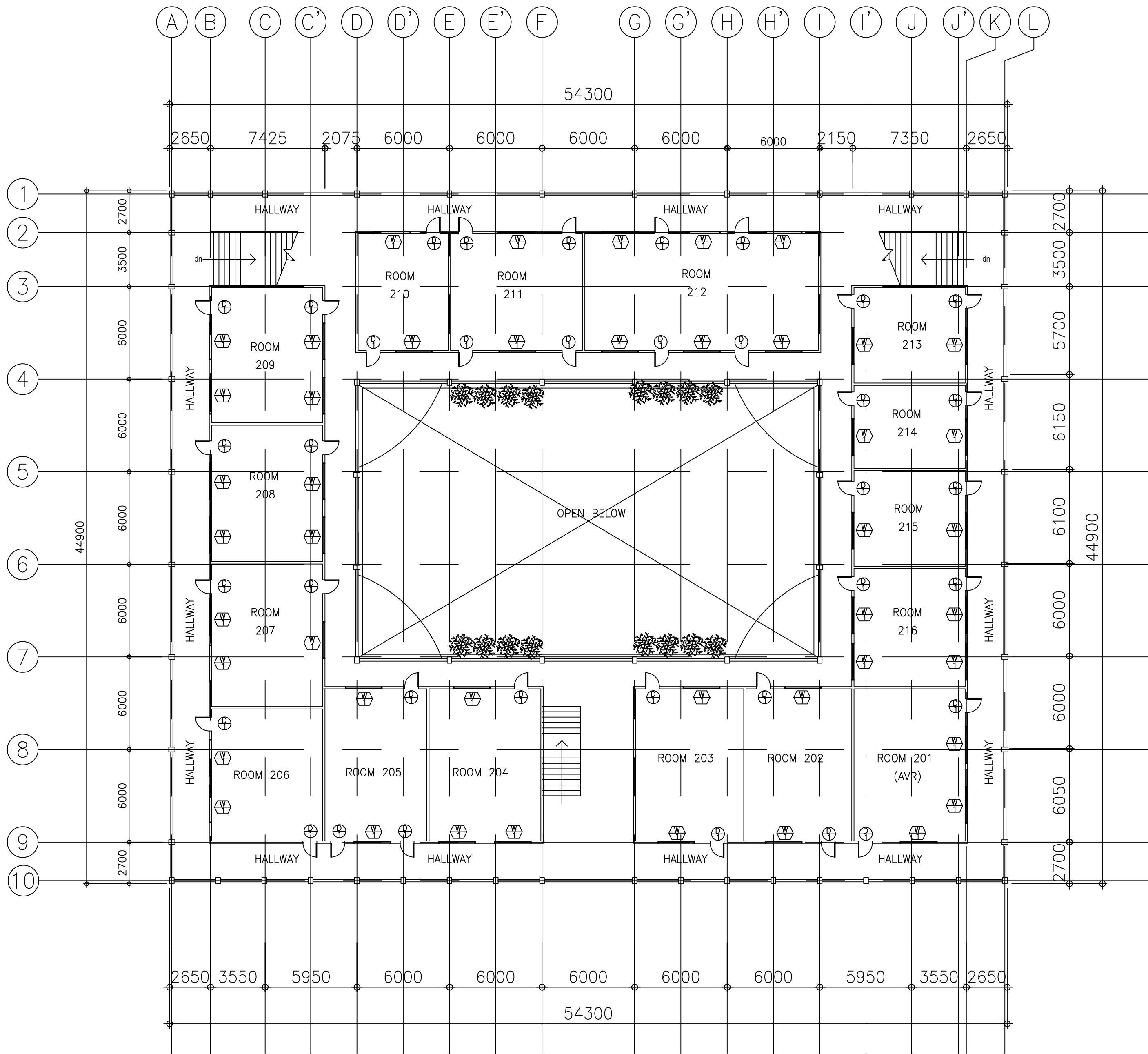
BLOW-UP PLAN
A
A-1 | A-1
GROUND FLOOR PLAN
SCALE : 1:100 MTS



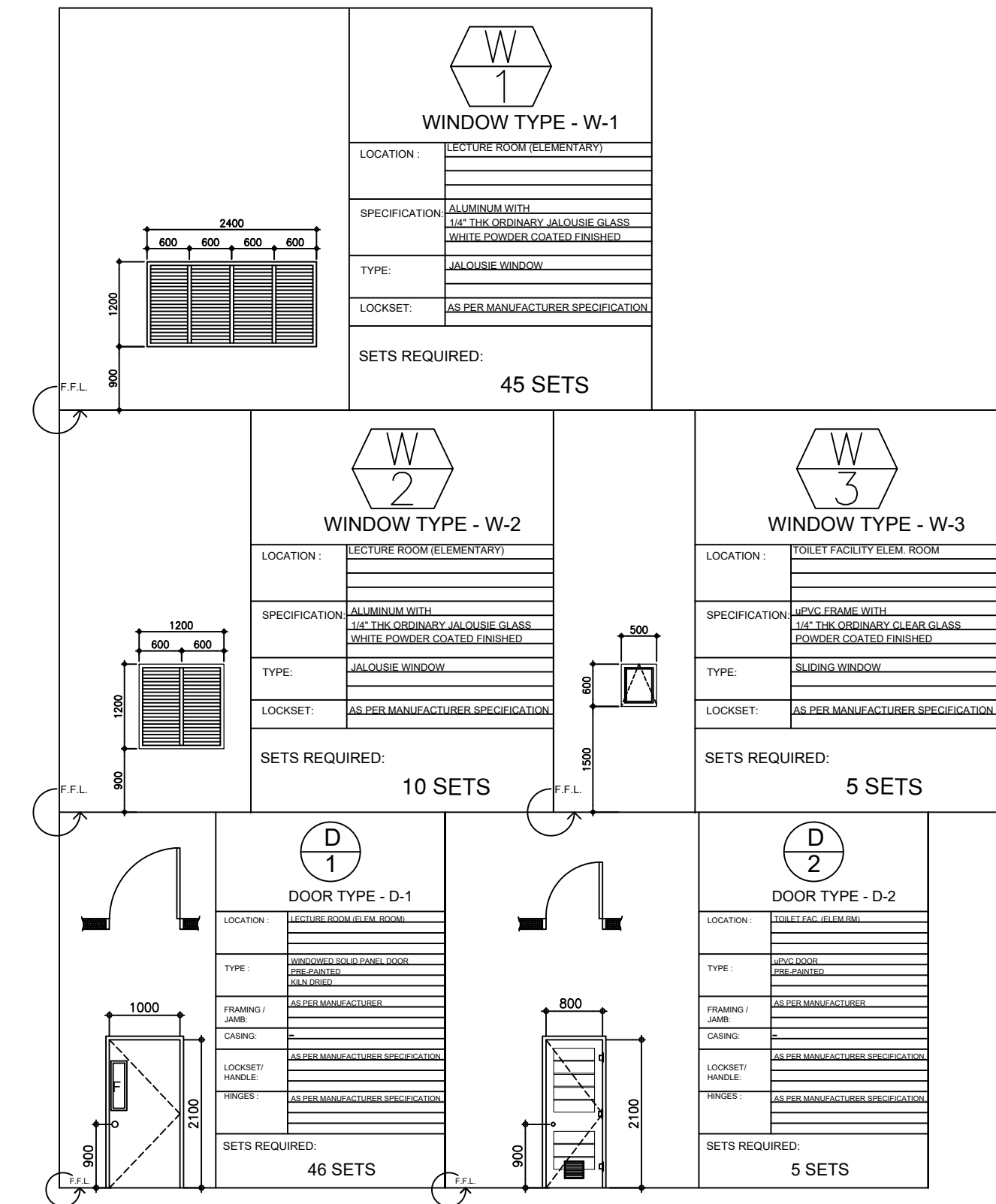
BATAAN PENINSULA STATE UNIVERSITY
TECHNICAL WORKING GROUP FOR INFRASTRUCTURE

CAPITOL COMPOUND, BROY, TENEJERO, CITY OF BALANGA, BATAAN,
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TELEPHONE NO. : (047) 237-15-98

PROJECT TITLE		
REHABILITATION OF OLD ENGINEERING BUILDING AT ABUCAY CAMPUS		
LOCATION:		
BATAAN PENINSULA STATE UNIVERSITY, ABUCAY CAMPUS		
STRUCTURAL ENGINEER		
REG. NO. :		
PTR. NO. :		
PLACE :		
TIN NO. :		
MASTER PLUMBER/SANITARY ENGINEER		
REG. NO. :		
PTR. NO. :		
PLACE :		
TIN NO. :		
PROFESSIONAL ELECTRICAL ENGINEER		
REG. NO. :		
PTR. NO. :		
PLACE :		
TIN NO. :		
PROFESSIONAL MECHANICAL ENGINEER		
REG. NO. :		
PTR. NO. :		
PLACE :		
TIN NO. :		
REVISION		
NO.	DESCRIPTION	DATE
2		
PREPARED BY:		
AR. ROXETTE S. UMEREZ		
ARCHITECT 1, BPSU TWG		
REG. NO. :		
PTR. NO. :		
PLACE :		
CHECKED BY:		
AR. JO-ANA Z. TANEGA		
ARCHITECT 1, PPES OFFICE		
REG. NO. :		
PTR. NO. :		
PLACE :		
REVIEWED BY:		
AR. DANILO Y. GALURA		
ARCHITECT II, TWG CONSULTANT		
RECOMMENDED BY:		
DR. EDMUNDO C. TUNGOL		
VICE PRESIDENT ADMIN. & FINANCE		
APPROVED BY:		
DR. GREGORIO J. RODIS		
UNIVERSITY PRESIDENT		
REPUBLIC ACT 9266.		
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SHEET CONTENT:		SHEET NUMBER:
GROUND FLOOR PLAN BLOW-UP PLAN		A1



A
A-1 A-1
SECOND FLOOR PLAN
SCALE : 1:200 MTS



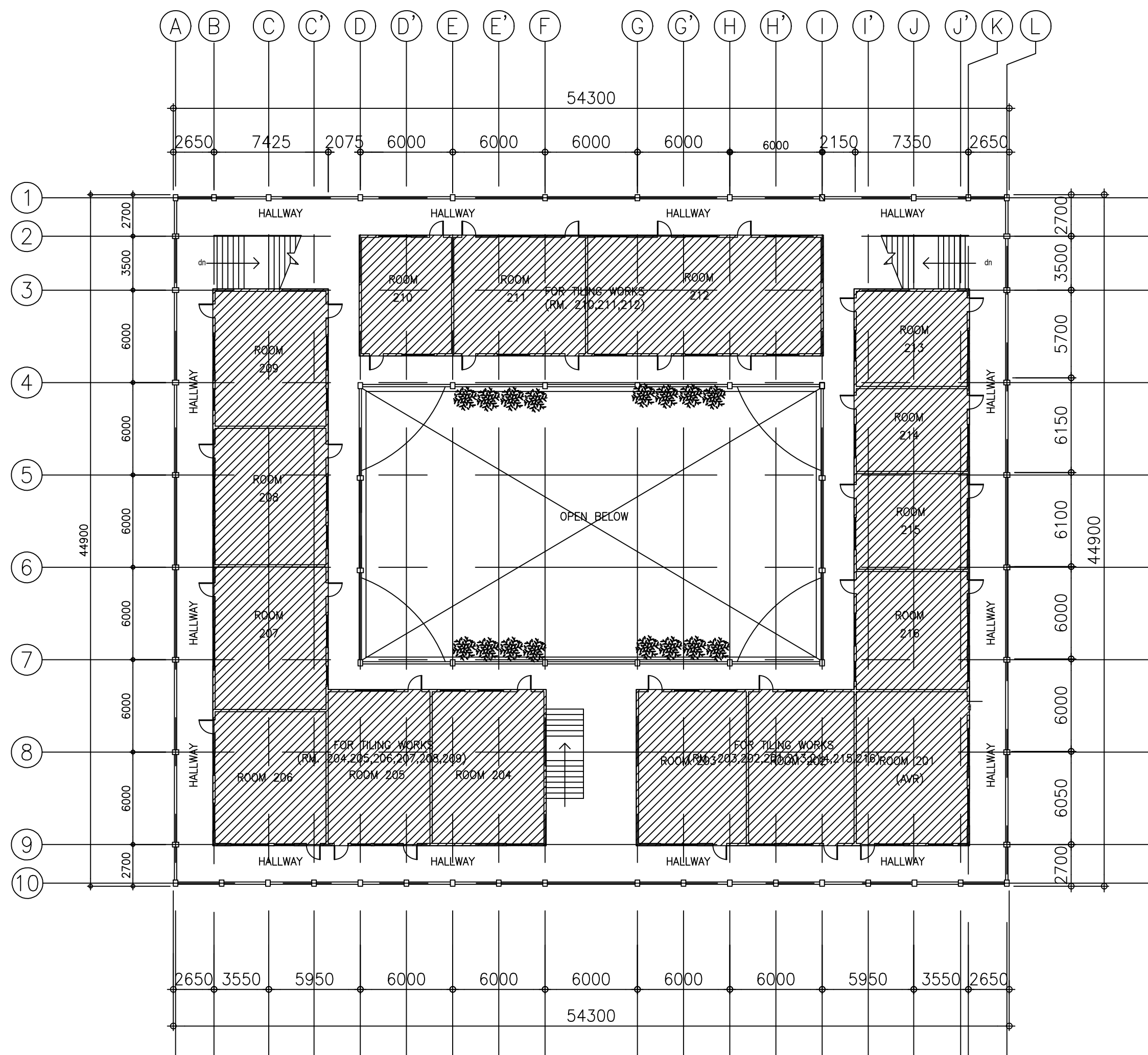
A
A-1 A-1
SCHEDULE OF DOORS & WINDOWS
SCALE : 1:200 MTS

PROJECT TITLE		
REHABILITATION OF OLD ENGINEERING BUILDING AT ABUCAY CAMPUS		
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SHEET CONTENT:		SHEET NUMBER:
SECOND FLOOR PLAN SCHEDULE OF DOORS & WINDOWS		A2

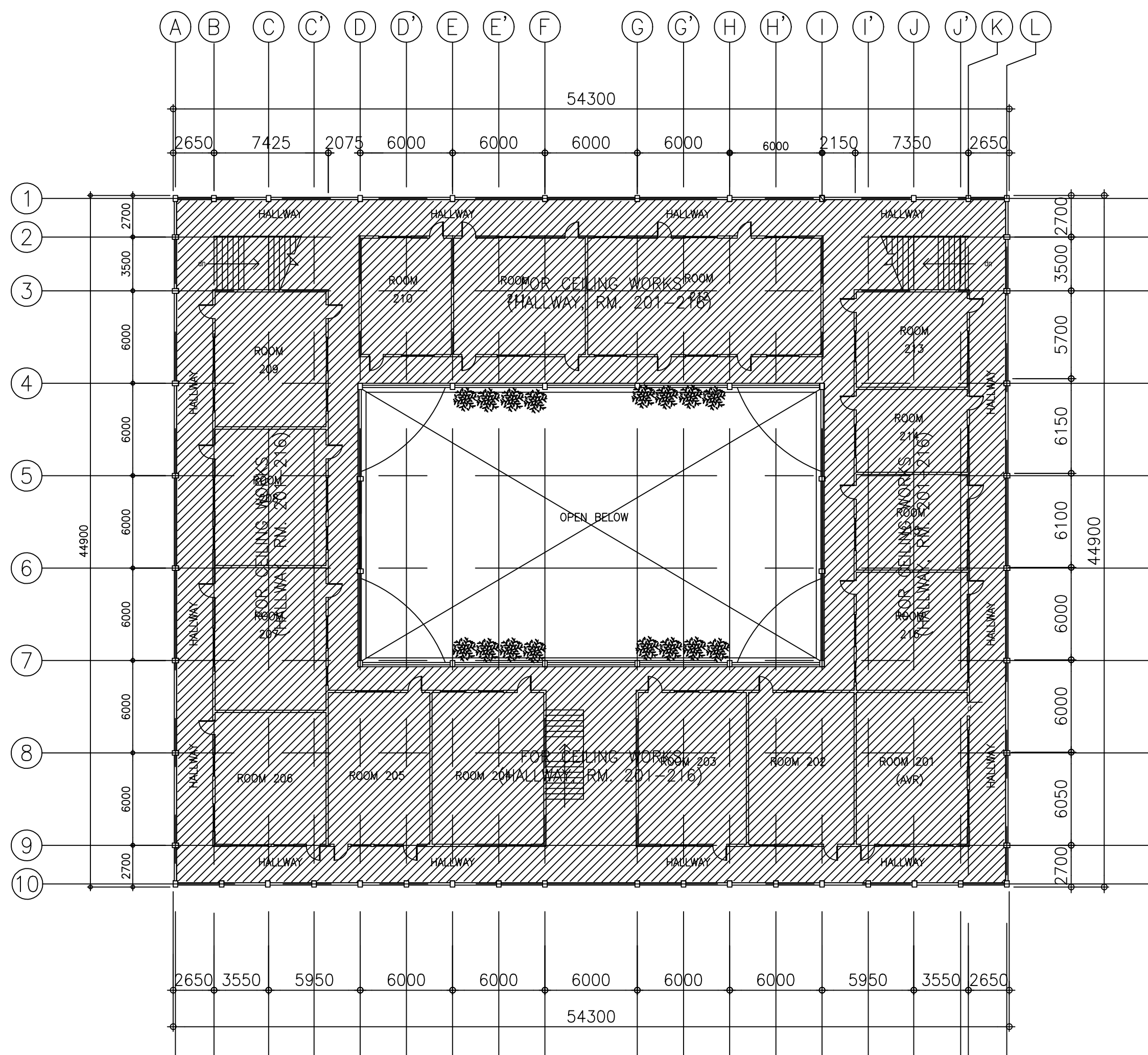


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(FOR TILE WORKS)
SECOND FLOOR PLAN
 SCALE : 1:400 MTS



(FOR CEILING WORKS)
SECOND FLOOR PLAN
 SCALE : 1:400 MTS

PROJECT TITLE
 REHABILITATION OF OLD
 ENGINEERING BUILDING AT
 ABUCAY CAMPUS

LOCATION:
 BATAAN PENINSULA STATE UNIVERSITY,
 ABUCAY CAMPUS

STRUCTURAL ENGINEER
 REG. NO. :
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 PLACE :
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MASTER PLUMBER/SANITARY ENGINEER
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PROFESSIONAL MECHANICAL ENGINEER
 REG. NO. :
 PTR. NO. :
 PLACE :
 TIN NO. :

REVISION		
NO.	DESCRIPTION	DATE
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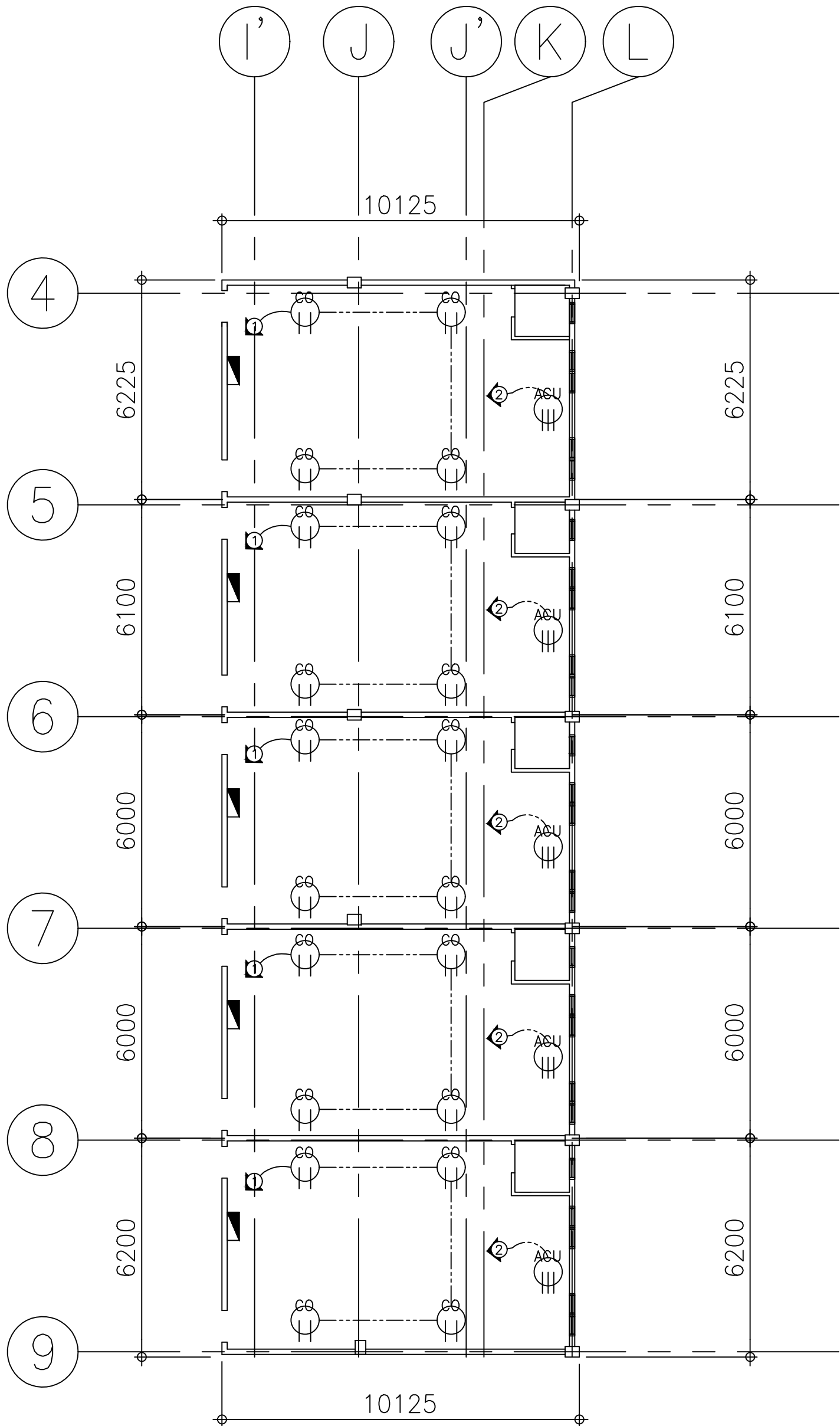
SHEET CONTENT: TILE WORKS
 CEILING WORKS

SHEET NUMBER:
 A3

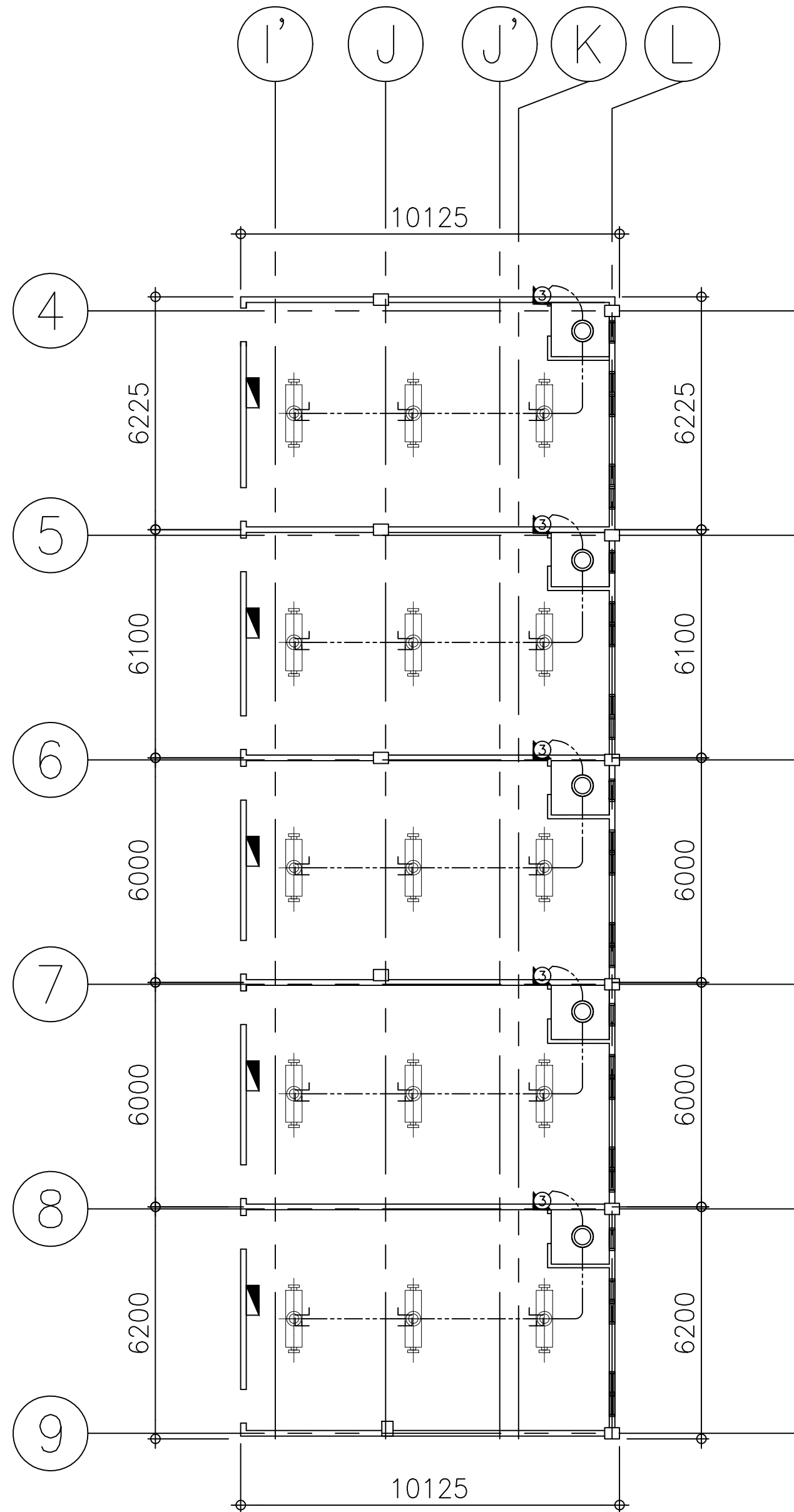


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POWER LAYOUT
GROUND FLOOR PLAN
SCALE : 1:200 MTS



LIGHTING LAYOUT
GROUND FLOOR PLAN
SCALE : 1:200 MTS

GENERAL NOTES

- ALL WORKS SHALL COMPLY WITH THE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC) AND SPECIFICATION WITH THE REQUIREMENTS AND ORDINANCE OF THE BUILDING OFFICIALS WITH JURISDICTIONS. BUREAU OF FIRE DEPARTMENT AND LOCAL POWER/ TELEPHONE COMPANY.
- UTILIZATION VOLTAGE SHALL BE 230V 3 Ø 60 Hz.
- WORKMANSHIP SHALL BE HIGHEST STANDARDS AND QUALITY. ALL MATERIALS TO BE USED FOR INSTALLATION SHALL BE NEW SUITABLE FOR THE TYPE AND PURPOSE OF APPLICATION.
- EXPOSED WIRING WORK SHALL RUN IN PANEL OR PERPENDICULAR TO THE BUILDING STRUCTURES AND FINISHES.
- GENERAL MOUNTING HEIGHT OF DEVICES AND EQUIPMENT ARE AS FOLLOWS:
WALL SWITCHES = 1300 MM ON CENTER
WALL RECEPTACLES = 300 MM ON CENTER
PANEL BOARDS = 1800 MM ON CENTER
- REFER TO ARCHITECT FOR OTHER CASES OF INSTALLATIONS.
- ALL WORK SHALL BE DONE UNDER DIRECT SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER/ MASTER ELECTRICIAN.

SCHEDULE AND LOAD COMPUTATION

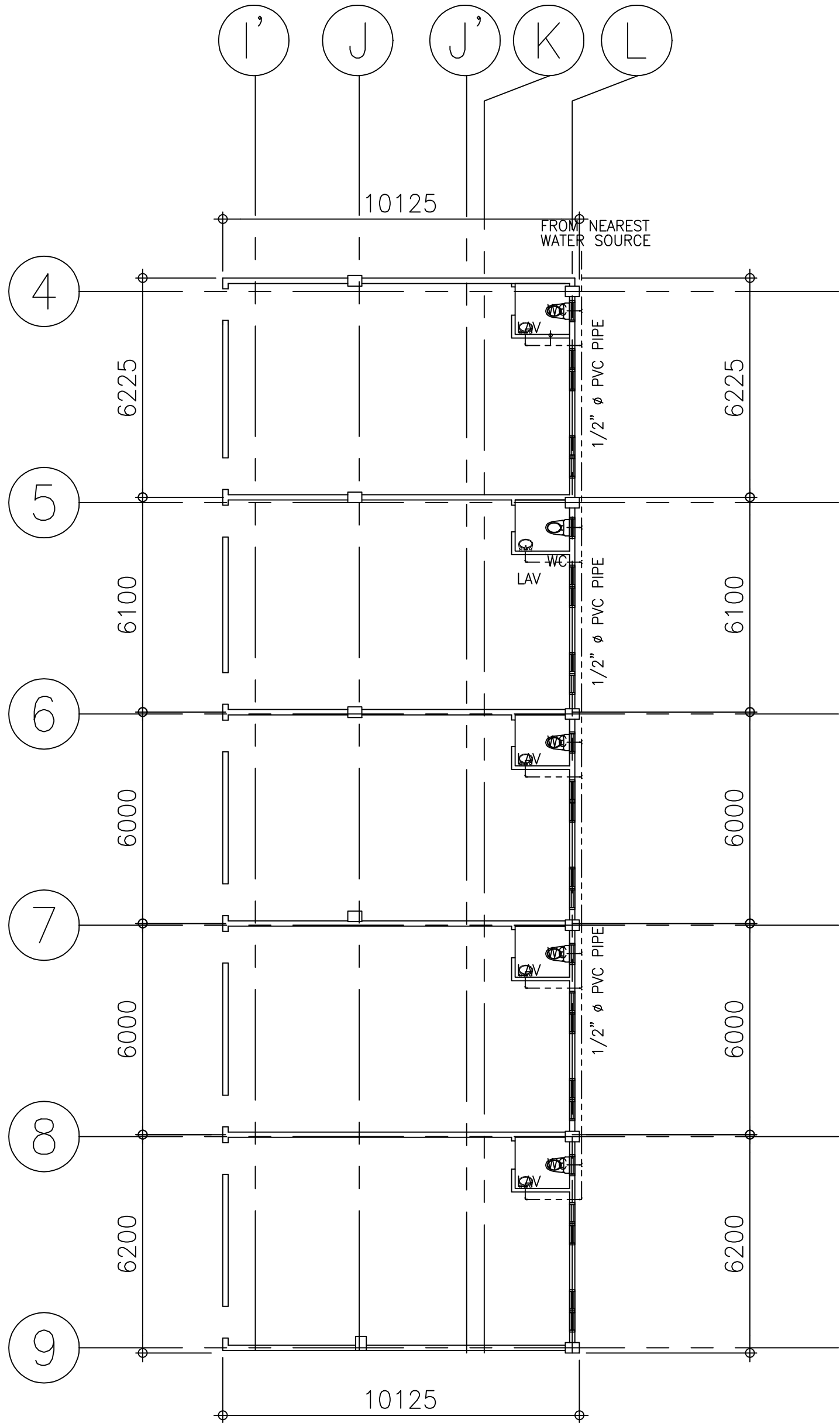
PANEL BOARD 1

NO.	DESCRIPTION	NO. OUTLET	VOLTS	VA	AMP PER CKT	PROTECTION PER CKT	SIZE OF WIRE PER CONDUIT
1	CONVENIENCE OULET	4	230	720	3	15 AT	2-2.00 mm ² THHN CU 15mmø
2	ACU (2.0 HP)	1	230	2760	12	30 AT	2-5.5 mm ² TTHN CU 1-5.5 mm ² TTHN CU(G) 20mmø
3	LIGHTING OUTLET	3	230	300	1.3	15 AT	2-2.00 mm ² THHN CU 15mmø
4	SPARE						15mmø
TOTAL					16.3	40 AT	2-8.00 mm ² THHN CU 1-5.5 mm ² THHN CU(G) 32mmø

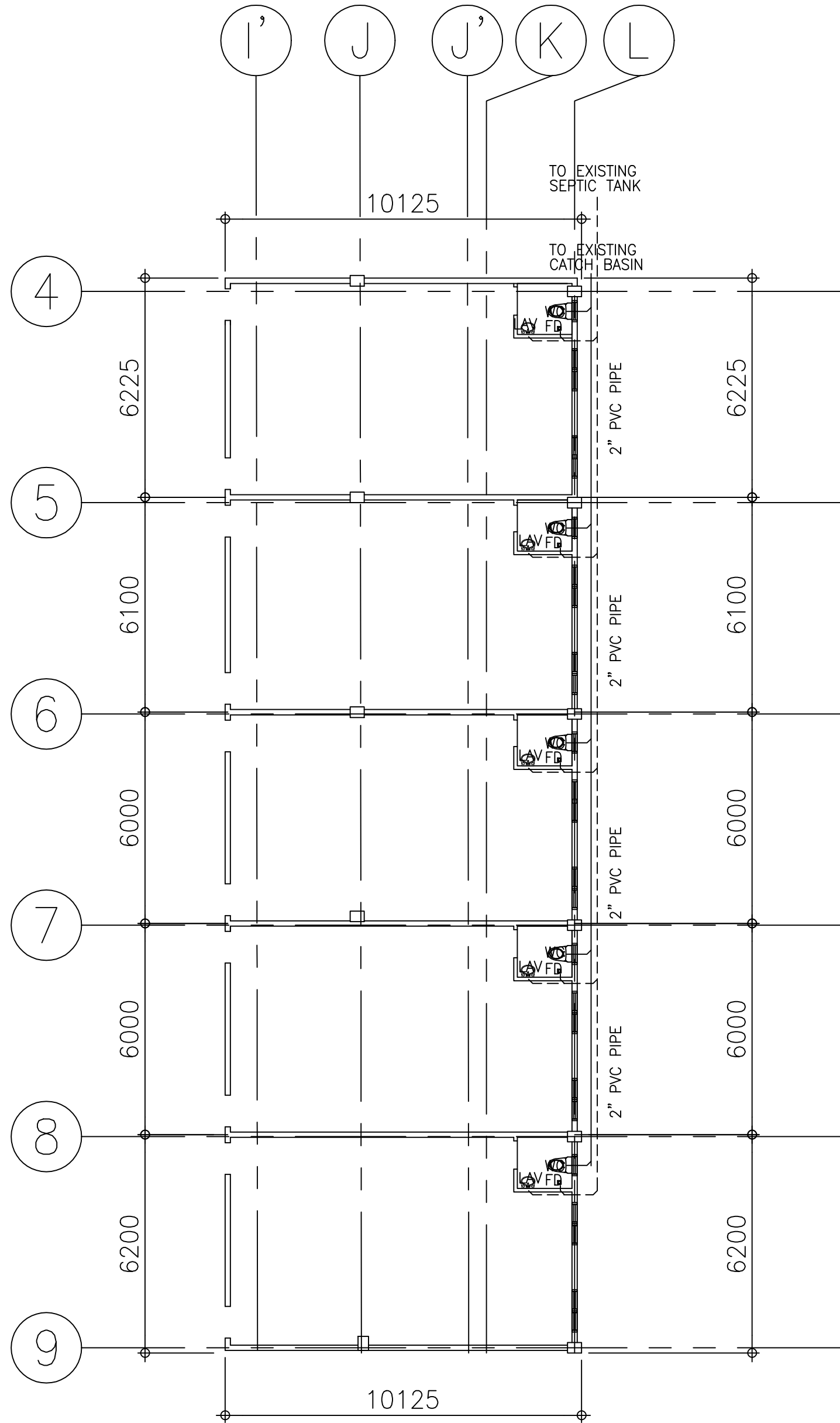
PROJECT TITLE		
REHABILITATION OF OLD ENGINEERING BUILDING AT ABUCAY CAMPUS		
LOCATION:		
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AR. ROXETTE S. UMEREZ		
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VICE PRESIDENT ADMIN. & FINANCE		
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SHEET CONTENT:		SHEET NUMBER:
POWER LAYOUT LIGHTING LAYOUT GENERAL ELECTRICAL NOTES SCHEDULE AND LOAD COMPUTATION		E1



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WATER LAYOUT
GROUND FLOOR PLAN
SCALE : 1:200 MTS



SANITARY LAYOUT
GROUND FLOOR PLAN
SCALE : 1:200 MTS

GENERAL PLUMBING NOTES AND SPECIFICATION :

REF.RA 1378 NATIONAL PLUMBING CODE OF THE PHILS.

- I EXECUTION OF PLUMBING WORK**
ALL PLUMBING WORK INCLUDE HEREIN SHALL BE EXECUTED ACCORDING TO THE REQUIREMENT OF THE PHILIPPINE'S PLUMBING CODE THE RULES AND THE REGULATION OF THE CITY GOVERNMENT, OR MUNICIPALITY
- II NOTIFICATION OF ARCHITECT**
COORDINATION WITH DRAWING AND OTHER RELATED SPECIFICATION, THE ARCHITECT SHALL BE NOTED IMMEDIATELY IF ANY DESCREPCANCY FOUND THEREIN
- III RELOCATION OF PIPES**
PIPES SHALL BE INSTALLED AS INDICATED ANY RELOCATION REQUIREMENT FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF ARCHITECT AND ENGINEER
- IV SANITARY UTILITIES**
PROPOSE SANITARY UTILITIES SHALL CONFORMED TOTHE ACTUAL LOCATION, DEPTH AND INVERTED ELEVATION OF ALL EXISTING PIPES AND STRUCTURE
- V FIXTURES**
ALL FIXTURES SHALL BE VENTED UNLESS OTHERWISE INDICATED
- VI GRADES OF HORIZONTAL PIPING**
RUN ALL HORIZONTAL PIPING PERFECT ALIGNMENT AND AT UNIFORM OF NOT LESS THAN TWO PERCENT (%)
- VII CHANGE OF DIRECTION**
ALL CHANGE OF DIRECTION SHALL BE MADE BY APPROPRIATE USE OF THE 45° WYES, LONG SWEEP, QUARTER BEND SIXTH OR EIGHTH TO SIXTEENTH BENDS A SINGLE 1/8 BEND COMBINATION MAY BE USE ON VERTICAL STACK AND SHORT QUARTER BEND MAY BE USE VENT TYPES
- VIII PROHIBITED FITTINGS**
NO DOUBLE HUBS, DOUBLE TEE BRANCH SHALL BE USE ON HORIZONTAL SOIL WASTE LINE, THE DRILLING OR TAPPING OF HOUSE DRAIN WASTE OR VENT PIPES AND SADDLE HUBS AND VENT PROHIBITED
- IX SLEEVES (NOT APPLICABLE)**
PROVIDE PIPE SLEEVES AT WALLS COLUMN SLAB ONE SLAB ONE BIGGER THAN ACTUAL SIZE PASSING THROUGH WALLS OR SLAB TO PIPES FROM BREAKAGE
- X CLEANOUT PIPES**
CLEANOUT ARE REQUIRE UNDER THE FOLLOWING CONDITION
1. EVERY CHANGE IN HORIZONTAL DIRECTION EXCEEDING 22 1/2 ONE HALF DEGREES.
2. 1500mm INSIDE THE PROPERTY LINE THE DRAIN CONNECTOR
3. EVERY 150mmØ IN HORIZONTAL RUN PIPE
4. AT THE END OF THE HORIZONTAL PIPE LINE
- XI DEAD END AVOIDED**
A DEAD END IN THE INSTALLATION OF ANY PLUMBING SYSTEM IS PROHIBITED
- XII** NO REVISION IN THE DESIGN SHALL BE DONE WITH OUT THE PROPER KNOWLEDGE AND APPROVAL OF THE DESIGNER AND THE OWNER ANY SUCH REVISION DONE WITHOUT THE APPROVAL SHALL COURSE RESPONSIBILITY OF THE DESIGNER/ARCHITECT TO CEAS A WHOLE
- XIII** NO PIPING WORK FIXTURE OR EQUIPMENT SHALL BE CONCEALED OR COVERED BY ANY MAINS BEFORE THEY HAVE BEEN PRESSURE TESTED, FLOW TESTED AND INSPECTED BY THE ARCHITECT HAVING THE JURISDICTION OF THE WORK
- XIV** ALL WORK SHALL BE COMPLETELY INSTALLED AND TESTED AS REQUIRED BY THE SECTION 1378 AND SHALL BE LEAKTIGHT A T Q
- XV** UNLESS OTHERWISE NOTED AND SPECIFIED. USE NELTEX BRAND TO ALL MATERIALS OF ROUGHING OR AND APPROVED BY EQUIVALENT

PLUMBING AND SANITARY LEGEND & SYMBOLS

LEGEND	DESCRIPTION	LEGEND	DESCRIPTION
CO	CLEAN OUT		TEE PIPE
FD	FLOOR DRAIN		90° ELBOW PIPE
WC	WATER CLOSET		WYE BRANCH PIPE
LAV	LAVATORY		RISER PIPE
KS	KITCHEN SINK		WATER LINE
HB	HOSE BIB		WASTE PIPE LINE
	CHECK VALVE		SOIL PIPE LINE
	GATE VALVE		FAUCET

PROJECT TITLE		
REHABILITATION OF OLD ENGINEERING BUILDING AT ABUCAY CAMPUS		
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SHEET CONTENT:		SHEET NUMBER:
WATER LAYOUT SANITARY LAYOUT GENERAL PLUMBING NOTES LEGENDS & SYMBOLS		P1



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