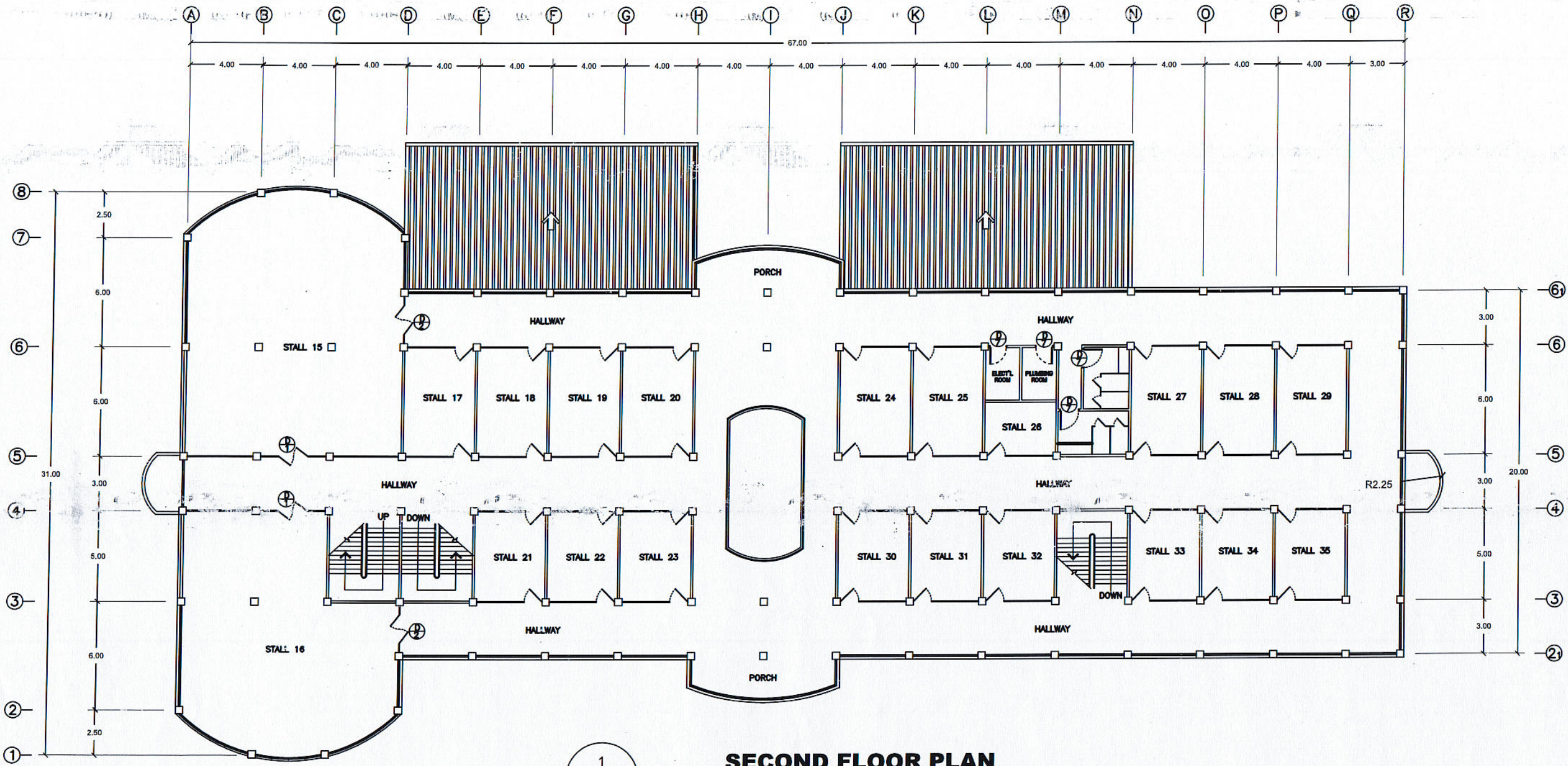


**GROUND FLOOR PLAN
CENTER FOR ENTREPRENEURSHIP**

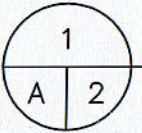


SCALE 1:25

PREPARED BY: JUAN N. RODIL CET/PPU	PREPARED BY: LORDLE M. ABELLAR CET/PPU	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: MARY JANE D. TEPORA VPRES OVPPD	REC. APPROVAL: CAMILO A. POLINGA VPRES VPASS	APPROVED BY: BERNARDO D. ROBLES PRESIDENT CVSU	PROJECT TITLE / LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: A 1
CHECKED BY: ELPIDIO N. RODEROS JR. UNIT HEAD, PPU	END-USER: JENNY ZEBE EBO DIRECTOR EBA	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: MARY JANE D. TEPORA VPRES OVPPD	REC. APPROVAL: CAMILO A. POLINGA VPRES VPASS	APPROVED BY: BERNARDO D. ROBLES PRESIDENT CVSU	PROJECT TITLE / LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: A 1

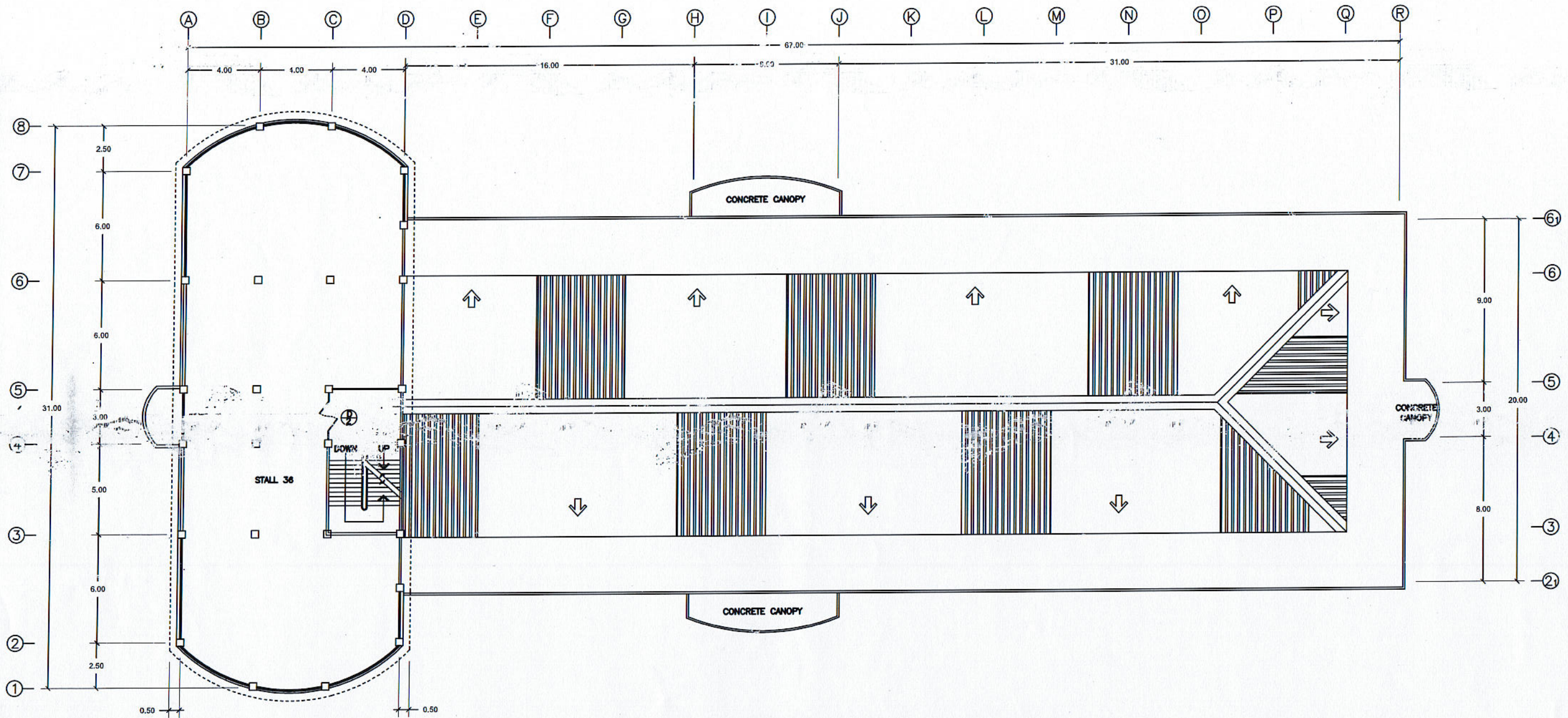


SECOND FLOOR PLAN



SCALE 125

PREPARED BY: <i>Juan N. Rodil</i> JUAN N. RODIL CEI/PPU	PREPARED BY: <i>Lordley M. Apellar</i> LORDLEY M. APELLAR CEI/PPU	ENDORSED BY: <i>Orlando B. de los Reyes</i> ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: <i>Mary Jane D. Tepora</i> MARY JANE D. TEPORA VPRES	REC. APPROVAL: <i>Camilo A. Polinga</i> CAMILLO A. POLINGA VPRES	APPROVED BY: <i>Hernando D. Robles</i> HERNANDO D. ROBLES PRESIDENT CVSU	PROJECT TITLE/ LOCATION IMPROVEMENT OF UNIVERSITY WALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: A 2
CHECKED BY: <i>Elpidio N. Roderos Jr.</i> ELPIDIO N. RODEROS JR. UNIT HEAD, PPU	END-USER: <i>Jenny Bee Ebo</i> JENNY BEE EBO DIRECTOR EBA	ENDORSED BY: <i>Orlando B. de los Reyes</i> ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: <i>Mary Jane D. Tepora</i> MARY JANE D. TEPORA VPRES	REC. APPROVAL: <i>Camilo A. Polinga</i> CAMILLO A. POLINGA VPRES	APPROVED BY: <i>Hernando D. Robles</i> HERNANDO D. ROBLES PRESIDENT CVSU	PROJECT TITLE/ LOCATION IMPROVEMENT OF UNIVERSITY WALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: A 2

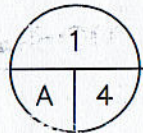
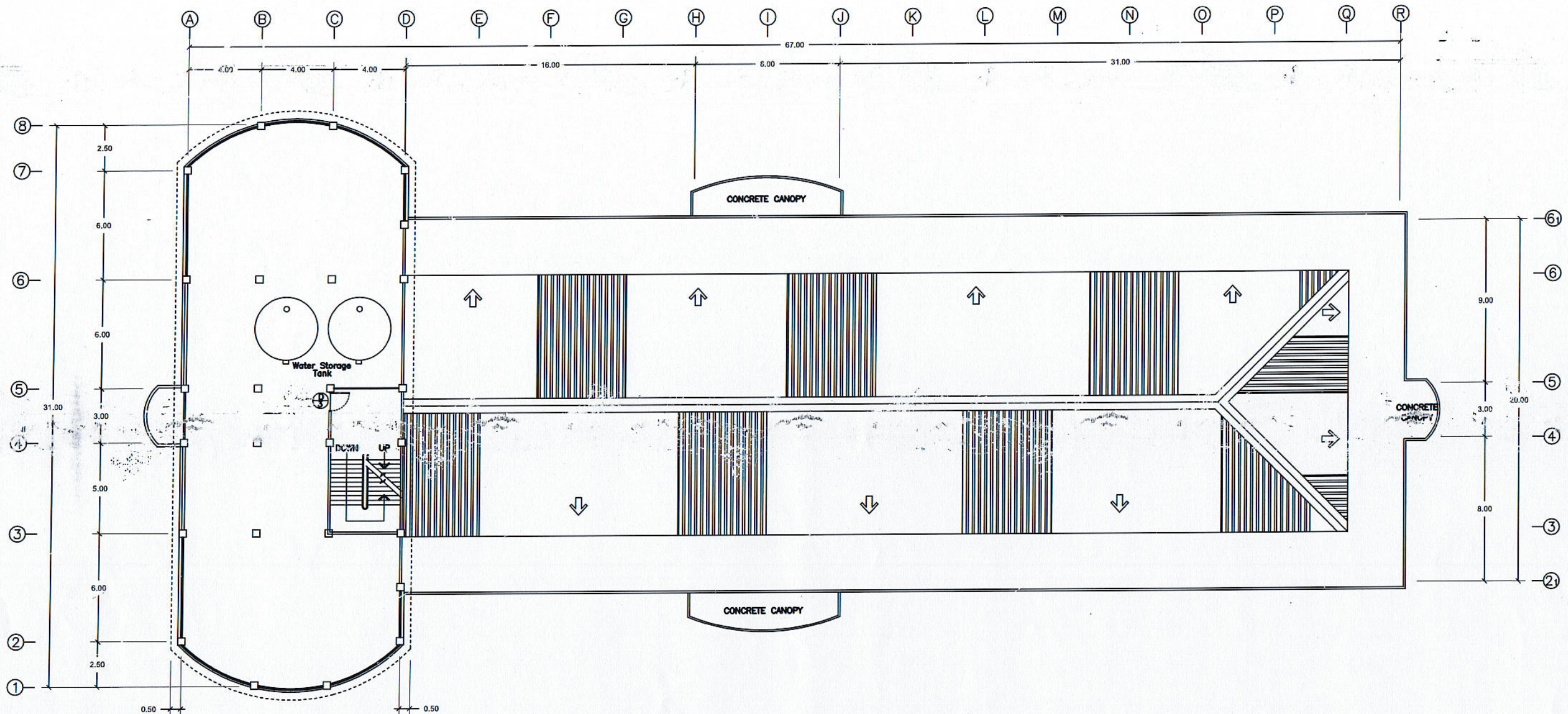


THIRD FLOOR / ROOF PLAN

SCALE 125



PREPARED BY: JUAN N. RODIL <small>CEIT/PPU</small>	CHECKED BY: <small>(Signature)</small>	ENDORSED BY: <small>(Signature)</small>	REC. APPROVAL: <small>(Signature)</small>	REC. APPROVAL: <small>(Signature)</small>	APPROVED BY: <small>(Signature)</small>	PROJECT TITLE / LOCATION IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) <small>CAVITE STATE UNIVERSITY INDANG, CAVITE</small>	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: A 3
END USER: JENNY BEE E. ERGAS <small>DIRECTOR EBA</small>	ENDORSED BY: ORLANDO B. DE LOS REYES <small>DIRECTOR PLANNING OFFICE</small>	REC. APPROVAL: MARY JANE D. TERCIO <small>VPRES OYPPD</small>	REC. APPROVAL: CAMILDO A. POLINCA <small>VPRES VPASS</small>	APPROVED BY: HERNANDO D. ROBLES <small>PRESIDENT CYSU</small>	PROJECT TITLE / LOCATION IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) <small>CAVITE STATE UNIVERSITY INDANG, CAVITE</small>	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: A 3	

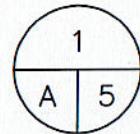
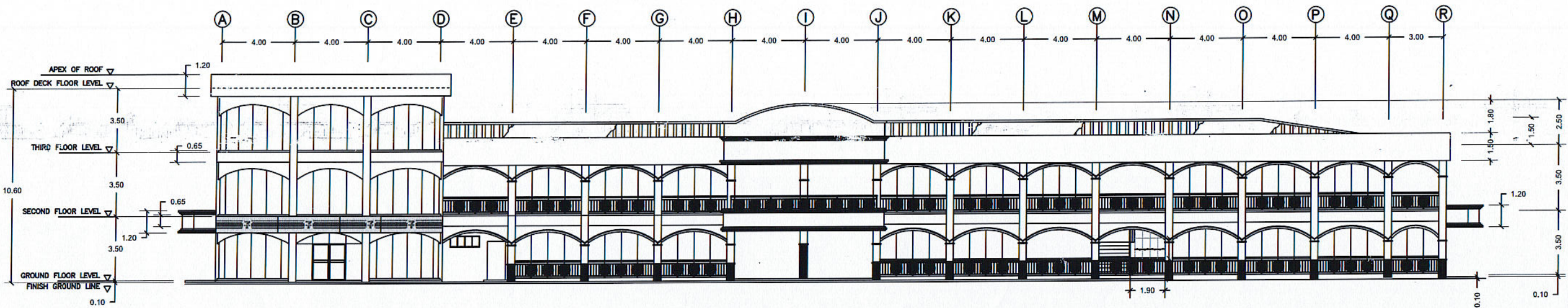


ROOF DECK

SCALE

125

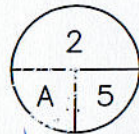
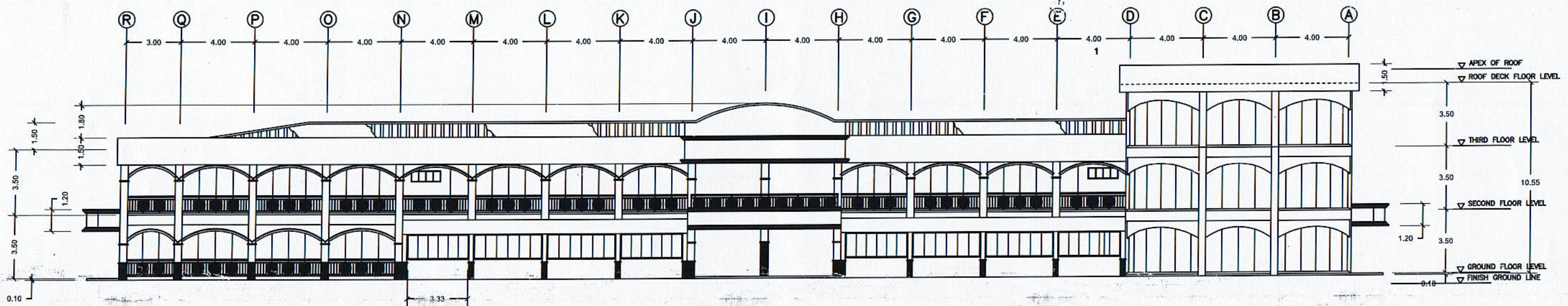
PREPARED BY: JUAN N. RODRIGUEZ <small>CEIT/PPU</small>	PREPARED BY: LORDLEY M. ABELLAR <small>CEIT/PPU</small>				PROJECT TITLE/ LOCATION IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) <small>CAVITE STATE UNIVERSITY INDANG, CAVITE</small>	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: A/4
CHECKED BY: ELPIDIO N. RODRIGUEZ JR. <small>UNIT HEAD, PPU</small>	END-USER: JENNY BEE F. EBO <small>DIRECTOR EBA</small>	ENDORSED BY: ORLANDO B. DE LOS REYES <small>DIRECTOR PLANNING OFFICE</small>	REC. APPROVAL: MARY JANE D. TEPORA <small>VPRES OVPPD</small>	REC. APPROVAL: CAMELO A. POLINGA <small>VPRES OVASS</small>	APPROVED BY: HERNANDO D. ROBLES <small>PRESIDENT CYSU</small>		



SOUTH ELEVATION

SCALE

125

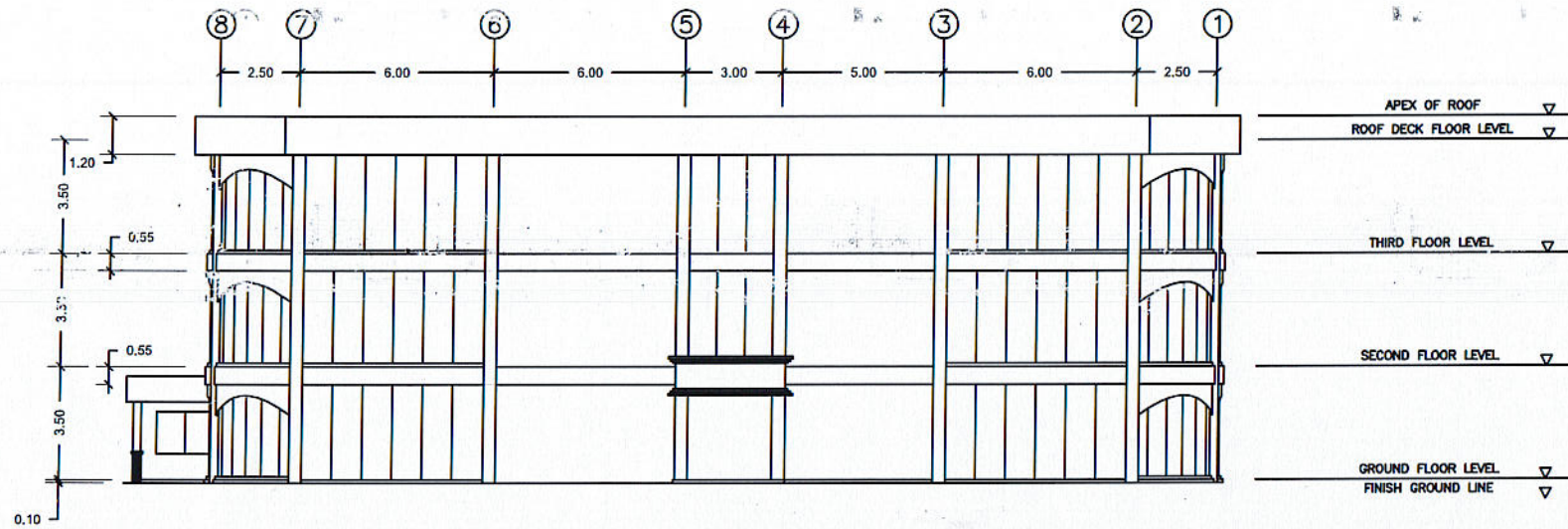


NORTH ELEVATION

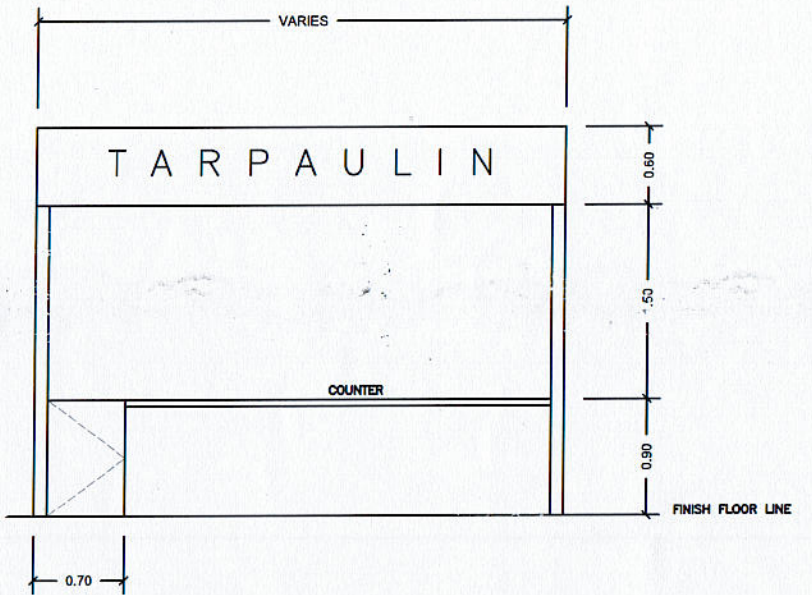
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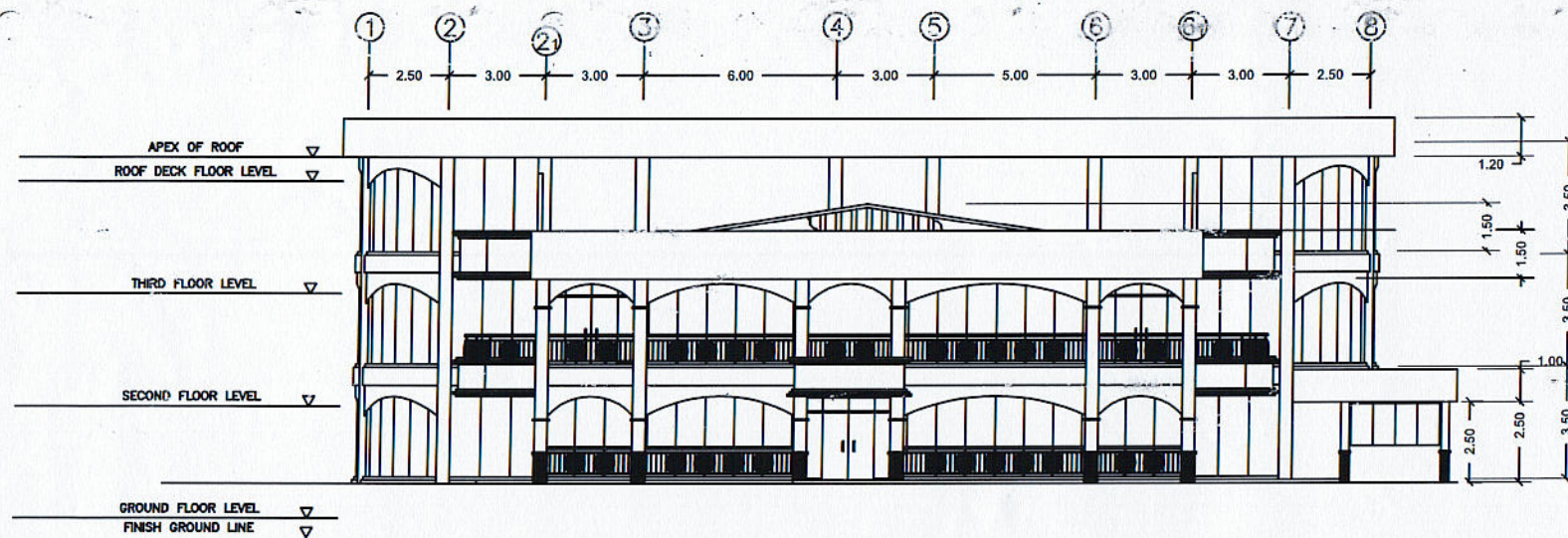
PREPARED BY: JUAN N. RODRIGUEZ CET/PPU	PREPARED BY: LORDLEY M. ABELDAR CET/PPU	ENDORSED BY: ORLANDO B. DELLOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: MARY JANE D. TEPORA VPRES	REC. APPROVAL: CAMEL A. POLINGA VPRES	APPROVED BY: HERNANDO D. ROBLES PRESIDENT	PROJECT TITLE / LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: A/5
CHECKED BY: ELPIDIO N. RODRIGUEZ JR. UNIT HEAD, PPU	END-USER: JEMMY BEB E. EBO DIRECTOR							



1
A 6
WEST ELEVATION
SCALE 1/25

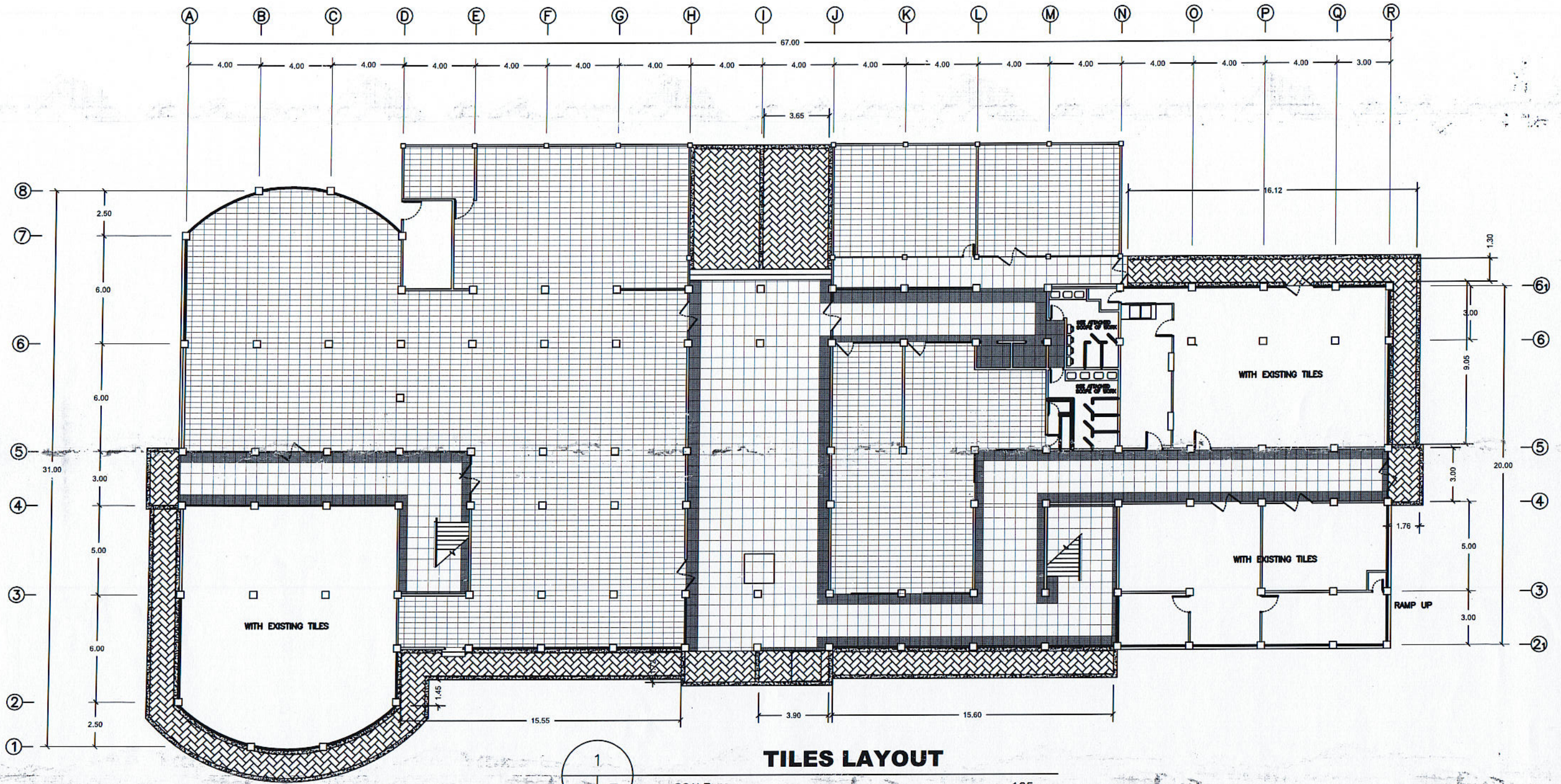


3
A 6
STALL SIGNAGE DETAIL
SCALE 25



2
A 6
EAST ELEVATION
SCALE 1/25

CHECKED BY: JUAN N. RODIL UNIT HEAD, PPU	PREPARED BY: LORDLEY M. ABELLAR DIRECTOR, PPU	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR, PLANNING OFFICE	REC. APPROVAL: MARY JANE B. TORORA VPRES	REC. APPROVAL: CAMILO A. ROLING VPRES	APPROVED BY: FERNANDO D. ROBLES PRESIDENT, CYSU	PROJECT TITLE / LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY, INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO.: A 6
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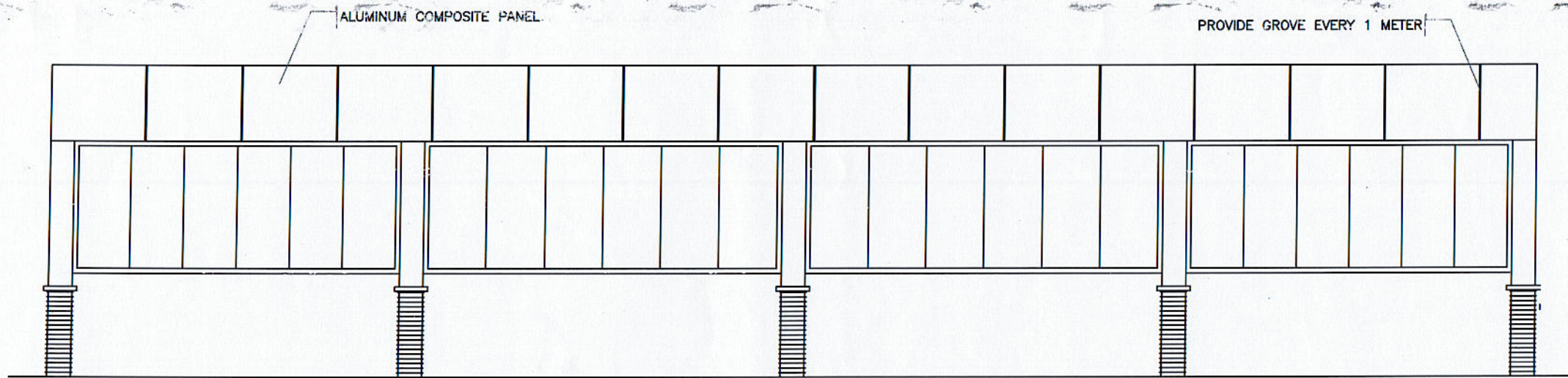
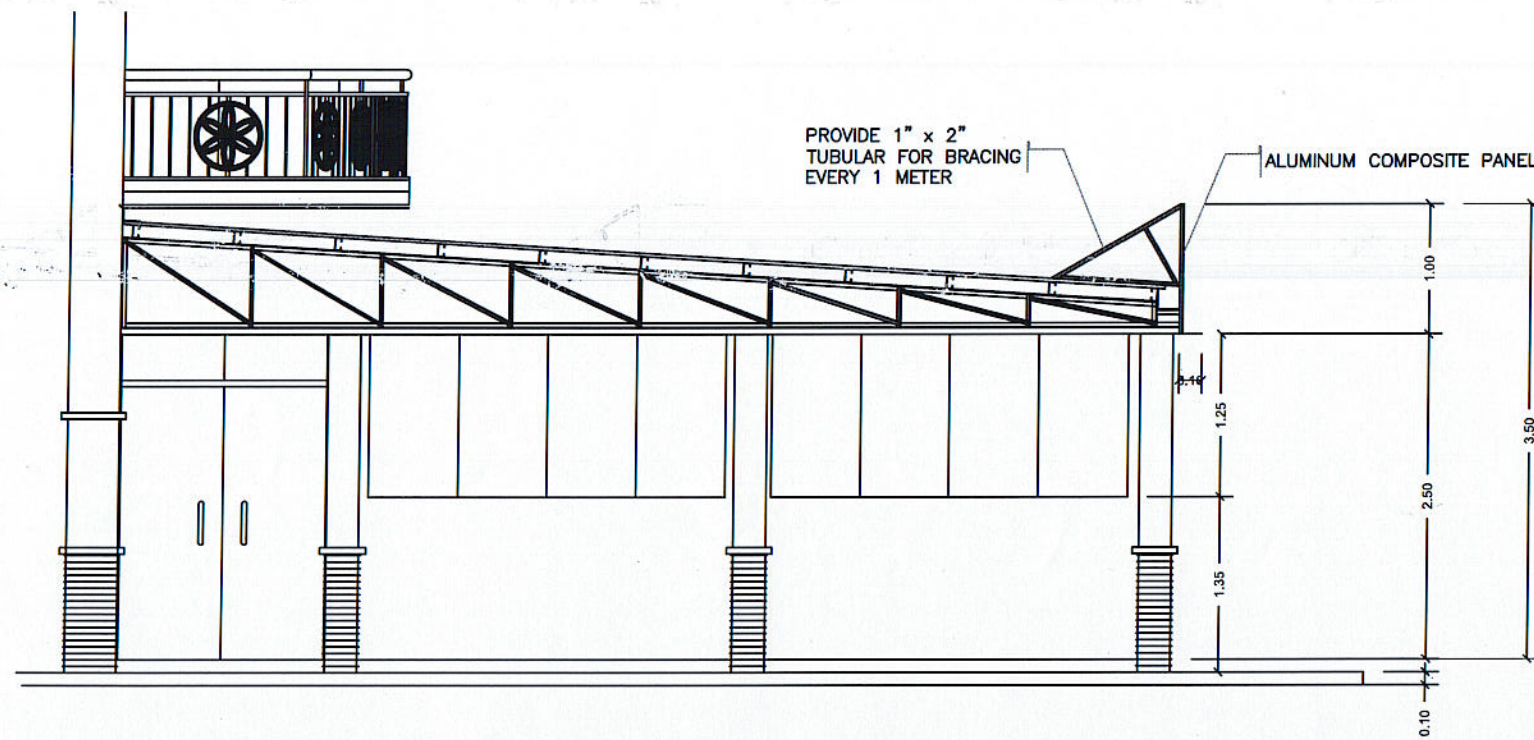
TILES LAYOUT



SCALE

125

PREPARED BY: JUAN N. RODIL <small>CET/PPU</small>	PREPARED BY: LORDLEY M. ABELAR <small>CET/PPU</small>	ENDORSED BY: ORLANDO B. DE LOS REYES <small>DIRECTOR PLANNING OFFICE</small>		REC. APPROVAL: MARY JANE D. TERORA <small>VPRES QVPPD</small>	REC. APPROVAL: CAMELO A. POLINGA <small>VPRES VPASS</small>	APPROVED BY: HERNANDO D. ROBLES <small>PRESIDENT OVSU</small>	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) <small>CAVITE STATE UNIVERSITY INDANG, CAVITE</small>	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: A 7
CHECKED BY: ELPIDIO N. RODEROS JR. <small>UNIT HEAD, PPU</small>	END-USER: JENNY BEB F. EBO <small>DIRECTOR EBA</small>								



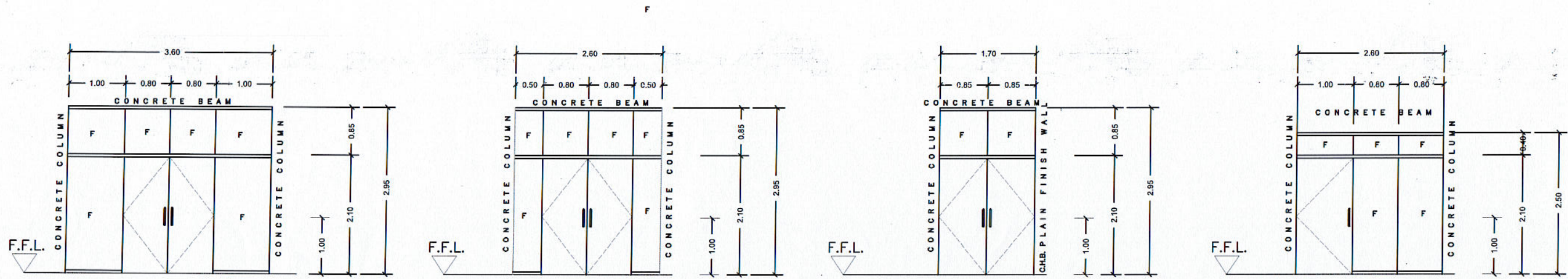
1
A 8

ALUMINUM COMPOSITE DETAILS

SCALE

NTS

PREPARED BY: JUAN N. RODIL CET/PPU	DESIGNED BY: LORDLEY M. ABELLAR CET/PPU	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: MARY JO NEVILL-BORJA VPRES OVPPD	REC. APPROVAL: CAMILA A. POLINGA VPRES VPASS	APPROVED BY: BERNARDO D. ROBLES PRESIDENT CVSU	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: A 8
CHECKED BY: ELPIDIO M. RODEROS JR. UNIT HEAD, PPU	END-USER: JENNY G. B. LERO DIRECTOR EBA							

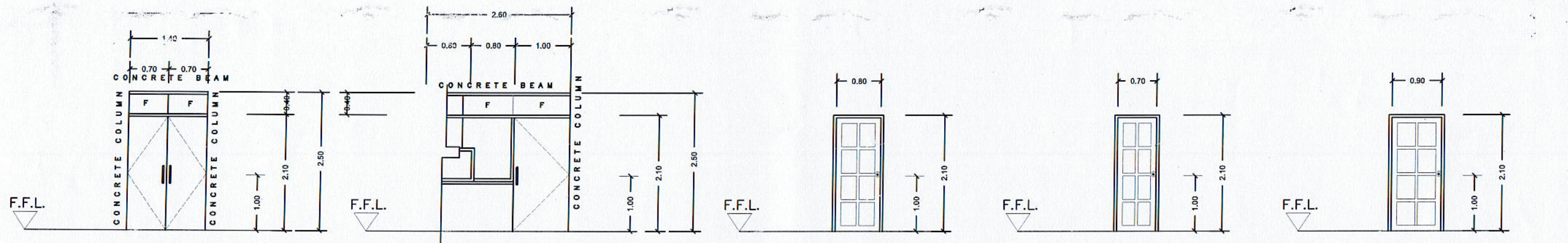


D1 1-1.60M. X 2.10M. DOUBLE SWING FRAMELESS GLASS DOOR
2-1.00 M X 2.10M, 2-1.00M. X 0.85M. AND 2-0.80M. X
0.85M. 1/2" THICK GREEN FIXED GLASS WITH POWDER COATED
ALUMINUM FRAME COMPLETE WITH ALL ACCESSORIES
New : 0 set
For Repair : 1 set

D2 1-1.60M. X 2.10M. DOUBLE SWING FRAMELESS GLASS DOOR
2-0.50 M X 2.10M, 2-0.50M. X 0.85M. AND 2-0.80M. X
0.85M. 1/2" THICK GREEN FIXED GLASS WITH POWDER COATED
ALUMINUM FRAME COMPLETE WITH ALL ACCESSORIES
New : 0 set
For Repair : 3 sets

D3 1-1.70M. X 2.10M SWING FRAMELESS GLASS DOOR
2-0.85M. X 0.85M. 1/2" THICK GREEN FIXED GLASS WITH
POWDER COATED ALUMINUM FRAME COMPLETE WITH ALL
ACCESSORIES
New : 0 set
For Repair : 3 sets

D4 1-1.00M. X 2.10M. SWING FRAMELESS GLASS DOOR 1-1.00M
X 0.40M., 2 - 0.80 X 2.10M. AND 2-0.40M. X 0.80M. 1/2"
THICK GREEN FIXED GLASS WITH POWDER COATED ALUMINUM
FRAME COMPLETE WITH ALL ACCESSORIES
New : 0 set
For Repair : 1 set



D5 1-1.40M. X 2.10M. DOUBLE SWING FRAMELESS GLASS DOOR
2- 0.40 M X 0.70M. 1/2" THICK GREEN FIXED GLASS WITH
POWDER COATED ALUMINUM FRAME COMPLETE WITH ALL
ACCESSORIES
New : 1 set
For Repair : 0 set

D6 1-1.00M. X 2.10M. SWING FRAMELESS GLASS DOOR 1-1.00M
X 0.40M., 1/2" THICK GREEN FIXED GLASS WITH POWDER
COATED ALUMINUM FRAME COMPLETE WITH ALL ACCESSORIES
New : 0 set
For Repair : 2 sets

D7 0.80M. X 2.10M COLORED STEEL PANEL DOOR WITH DOOR
JAMB, DOOR LOCKS, HINGES, DOOR CLOSET AND COMPLETE
ACCESSORIES
New : 13 sets

D8 0.70M. X 2.10M COLORED STEEL PANEL DOOR WITH DOOR
JAMB, DOOR LOCKS, HINGES, DOOR CLOSET AND COMPLETE
ACCESSORIES
New : 1 set

D9 0.90M. X 2.10M COLORED STEEL PANEL DOOR WITH DOOR
JAMB, DOOR LOCKS, HINGES, DOOR CLOSET AND COMPLETE
ACCESSORIES
New : 1 set

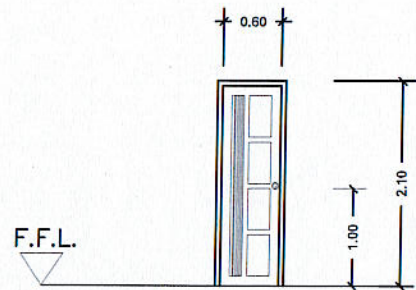


DOORS DETAILS

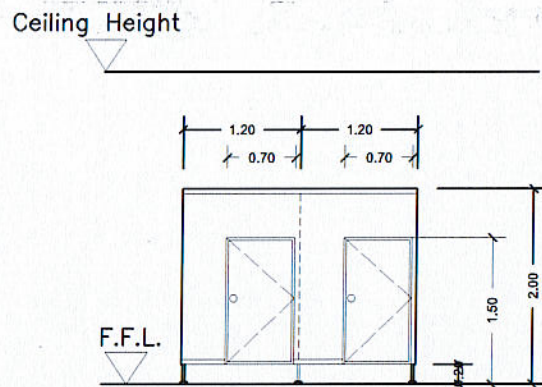
SCALE

NTS

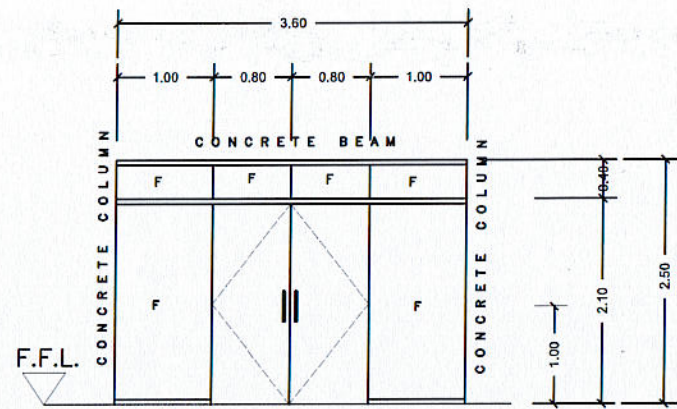
PREPARED BY: JUAN N. ROBLES CET/PPU	PREPARED BY: LORDEY M. ABELLAR CET/PPU	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: MARY JANE D. TEBORA VPRES	REC. APPROVAL: CAMILO A. POLINGA VPRES	APPROVED BY: HERNANDO D. ROBLES PRESIDENT CYSU	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO.: A 9
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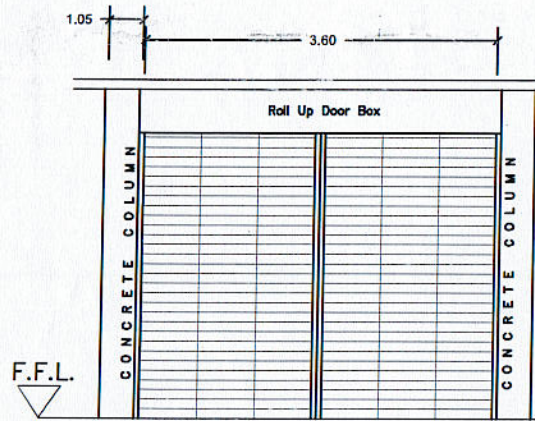
D10 0.60M X 2.10M COLORED ALUMINUM DOOR WITH 4 SET OF PANEL FROSTED GLASS WITH ALUMINUM JAMB, HINGES, DOOR CLOSER, DOOR LOCK AND COMPLETE ACCESSORIES
 New : 1 set



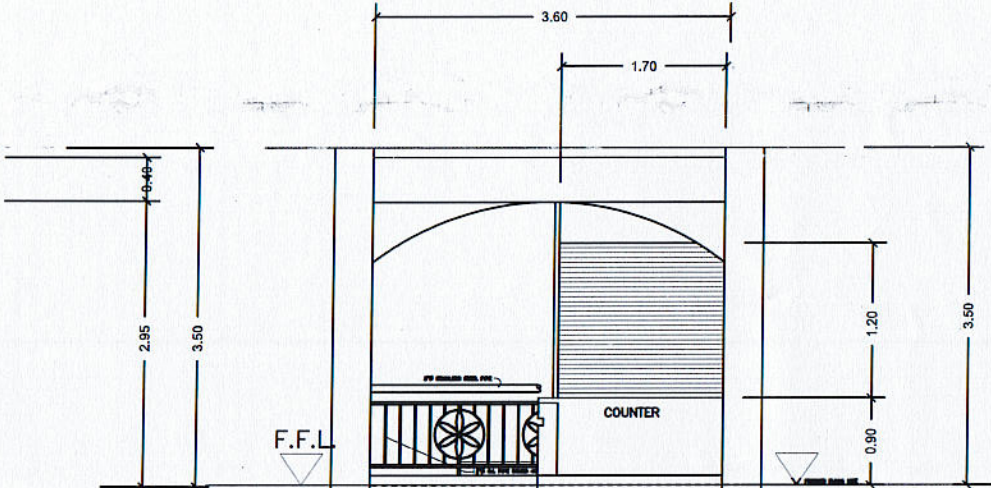
D11 LAMINATED PHENOLIC COMPACT BOARD FOR DOOR AND PARTITION FOR MEN'S/WOMEN'S COMFORT ROOM WITH COMPLETE ACCESSORIES
 New : 1 lot



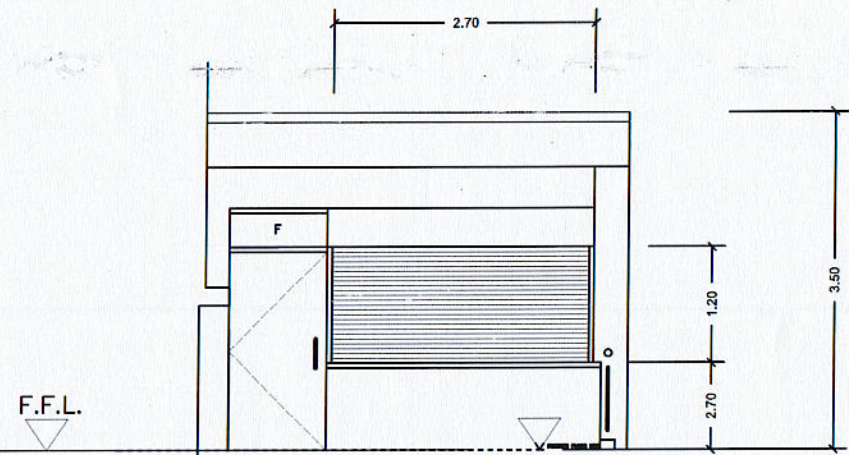
D12 1-1.80M. X 2.10M. DOUBLE SWING FRAMELESS GLASS DOOR 2-1.00 M X 2.10M, 2-1.00M. X 0.40M. AND 2-0.80M. X 0.40M. 1/2" THICK GREEN TINTED GLASS WITH POWDER COATED ALUMINUM FRAME COMPLETE WITH ALL ACCESSORIES
 New : 0 set
 For Repair : 1 set



G1 3.60 M. X 2.95 M., 12 MM # STEEL ROLL UP GRILLED DOOR COMPLETE LOCK AND ACCESSORIES
 New : 4 sets



G2 1.70 M. X 1.20 M. STEEL SHUTTER ROLL UP DOOR WITH COMPLETE LOCK AND ACCESSORIES
 New : 1 set



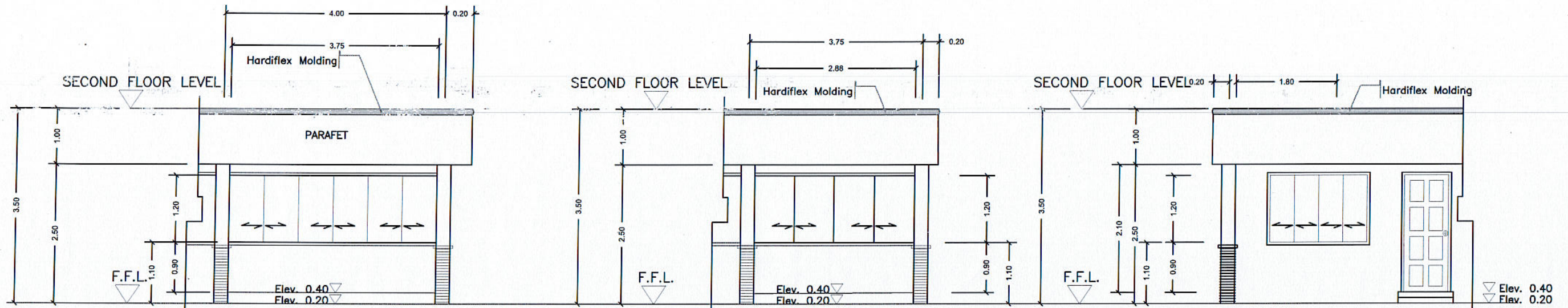
G3 2.70 M. X 1.20 M., STEEL SHUTTER ROLL UP DOOR WITH COMPLETE LOCK AND ACCESSORIES
 New : 1 set

DOORS AND GRILL DETAILS

1
A 10

SCALE: NTS

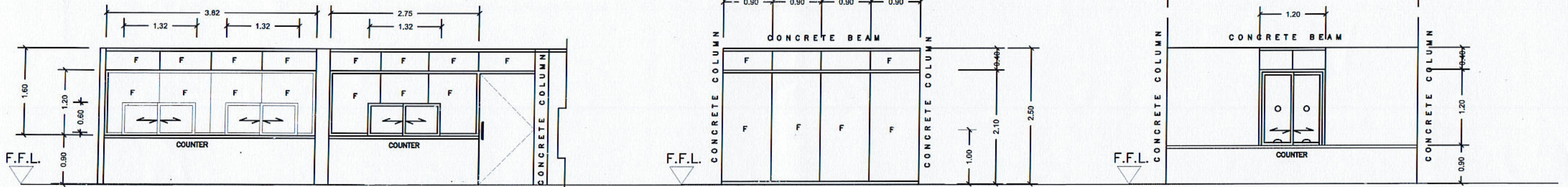
PREPARED BY: JUAN N. RODIL <small>CET/PPU</small>	PREPARED BY: LORELEY M. ABELLAR <small>CET/PPU</small>	ENDORSED BY: ORLANDO B. DE LOS REYES <small>DIRECTOR PLANNING OFFICE</small>	REC. APPROVAL: MARY JANE D. TERORA <small>VPRES OYPPD</small>	REC. APPROVAL: CAMILOVA POLINGA <small>VPRES VPASS</small>	APPROVED BY: HERNANDO D. ROBLES <small>PRESIDENT CVSU</small>	PROJECT TITLE/LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) <small>CAVITE STATE UNIVERSITY INDANG, CAVITE</small>	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: A 10
CHECKED BY: ELPIDIO N. RODRIGOS JR. <small>UNIT HEAD, PPU</small>	END-USER: JENNY BEE E. EBO <small>DIRECTOR EBA</small>							



W1 3.75 M. X 1.20 M. 6 PANEL COLORED COATED SLIDING ALUMINUM WINDOW WITH 1/2" THICK COLORED GLASS, LOCK, DOUBLE SCREEN AND COMPLETE ACCESSORIES
New : 10 sets

W2 2.88 M. X 1.20 M. 4 PANEL COLORED COATED SLIDING ALUMINUM WINDOW WITH 1/2" THICK COLORED GLASS, LOCK, DOUBLE SCREEN AND COMPLETE ACCESSORIES
New : 2 sets

W3 1.80 M. X 1.20 M. 4 PANEL COLORED COATED SLIDING ALUMINUM WINDOW WITH 1/2" THICK COLORED GLASS, LOCK, DOUBLE SCREEN AND COMPLETE ACCESSORIES
New : 1 set



W4 3.82 M. X 1.20 M. 4-PANEL FIXED COLORED FRAMELESS GLASS WITH 2-1.32 M. X 0.60 M. 2-PANEL COLORED COATED SLIDING WINDOWS, 4- 0.95 M. X 0.40 M. 1/2" THICK GLASS WITH COATED ALUMINUM FRAME COMPLETE WITH ALL ACCESSORIES
New : 1 set

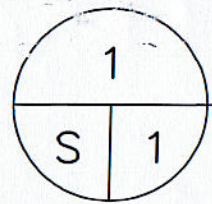
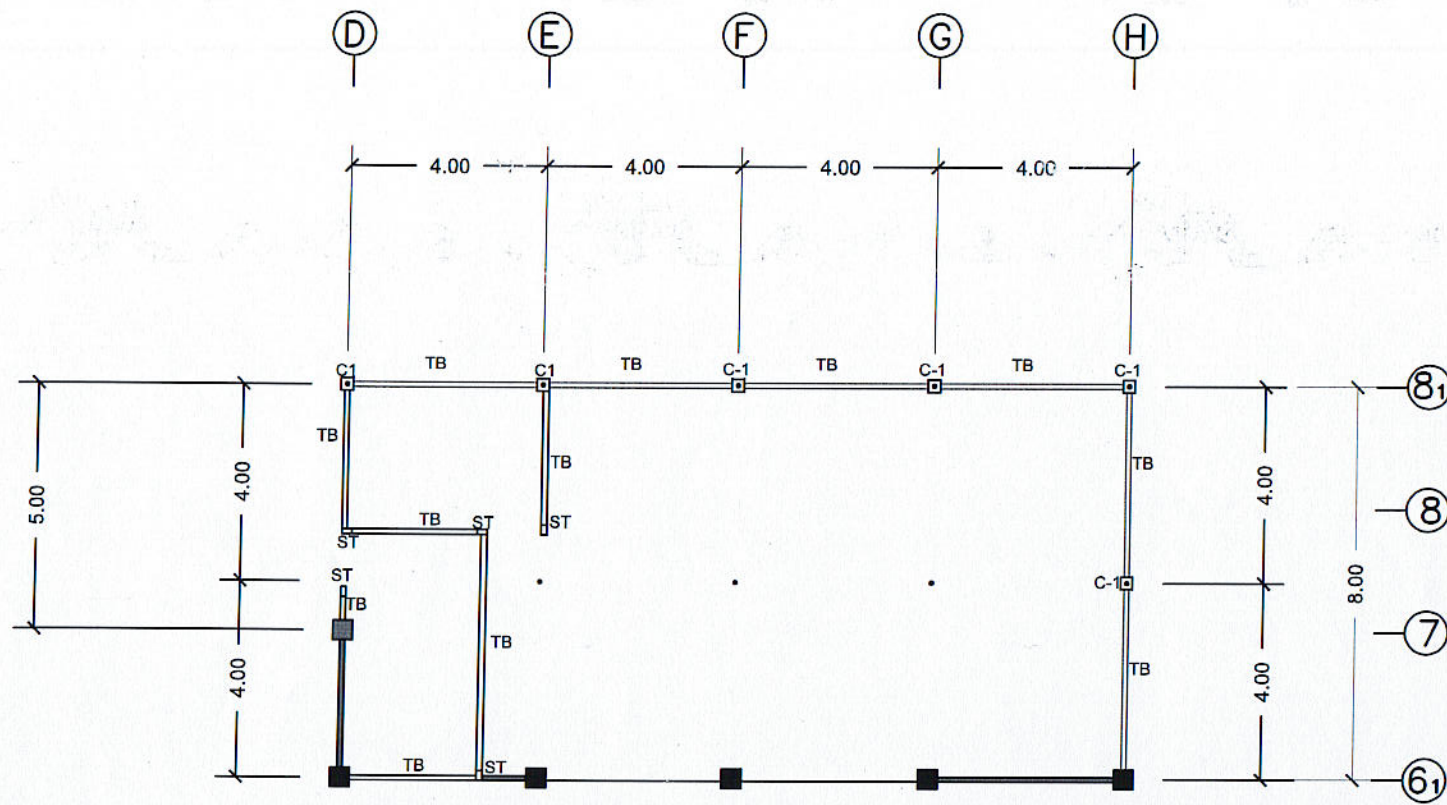
W5 2.75 M. X 1.20 M. 3-PANEL FIXED COLORED FRAMELESS GLASS WITH 1.32 M. X 0.60 M. 2-PANEL COLORED COATED SLIDING WINDOWS, 3- 0.91 M. X 0.40 M. 1/2" THICK GLASS WITH COATED ALUMINUM FRAME COMPLETE WITH ALL ACCESSORIES
New : 1 set

W6 4-0.90M. X 2.10M. AND 0.90M. X 0.40M. 1/2" THICK GREEN FIXED GLASS WITH POWDER COATED ALUMINUM FRAME COMPLETE WITH ALL ACCESSORIES
New : 0 set
For Repair : 1 set

W7 1.20 M. X 1.20 M. 2 PANEL COLORED COATED SLIDING ALUMINUM WINDOW WITH 2-0.80 M X 0.40 M. 1/2" THICK COLORED GLASS, LOCK AND COMPLETE ACCESSORIES
New : 1 set

1
A 11 SCALE NTS

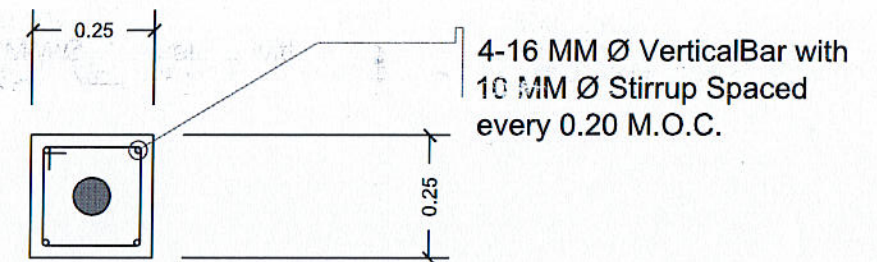
PREPARED BY: JUAN N. RODIL <small>CEIT/PPU</small>	PREPARED BY: LORDLEY W. ABELLAR <small>CEIT/PPU</small>	CHECKED BY: <small>END-USER</small>	ENDORSED BY: ORLANDO D. DE LOS REYES <small>DIRECTOR PLANNING OFFICE</small>	REC. APPROVAL: MARY JANE LEBORA <small>VPRES</small>	REC. APPROVAL: CAMILLO POLINGA <small>VPRES</small>	APPROVED BY: HERNANDO D. RODILES <small>PRESIDENT CVSU</small>	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MAJ. (REVISED PLAN) <small>CAVITE STATE UNIVERSITY</small>	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY <small>INDANG, CAVITE</small>	SHEET NO: A 11
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FOUNDATION PLAN (STALL)

SCALE

N D S

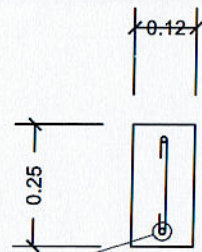


PLAN

F-1

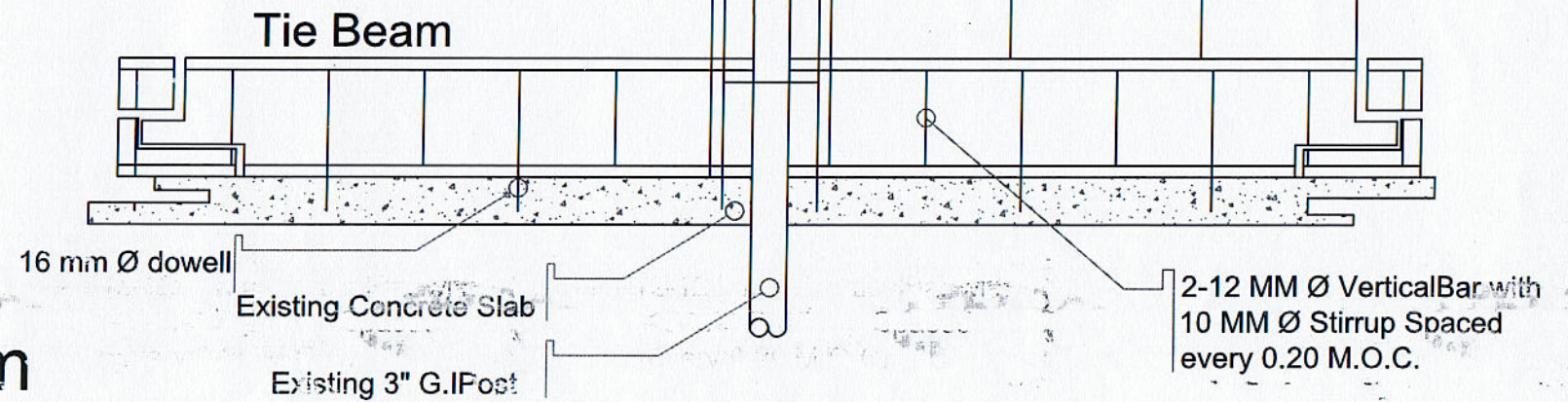
4" CHB WALL Plain Plastered
Finish with 10 mm Ø bar horizontal
and vertical bar spaces @ 0.60
m.o.c.

2-12 MM Ø Vertical Bar with
10 MM Ø Stirrup Spaced
every 0.20 M.O.C.



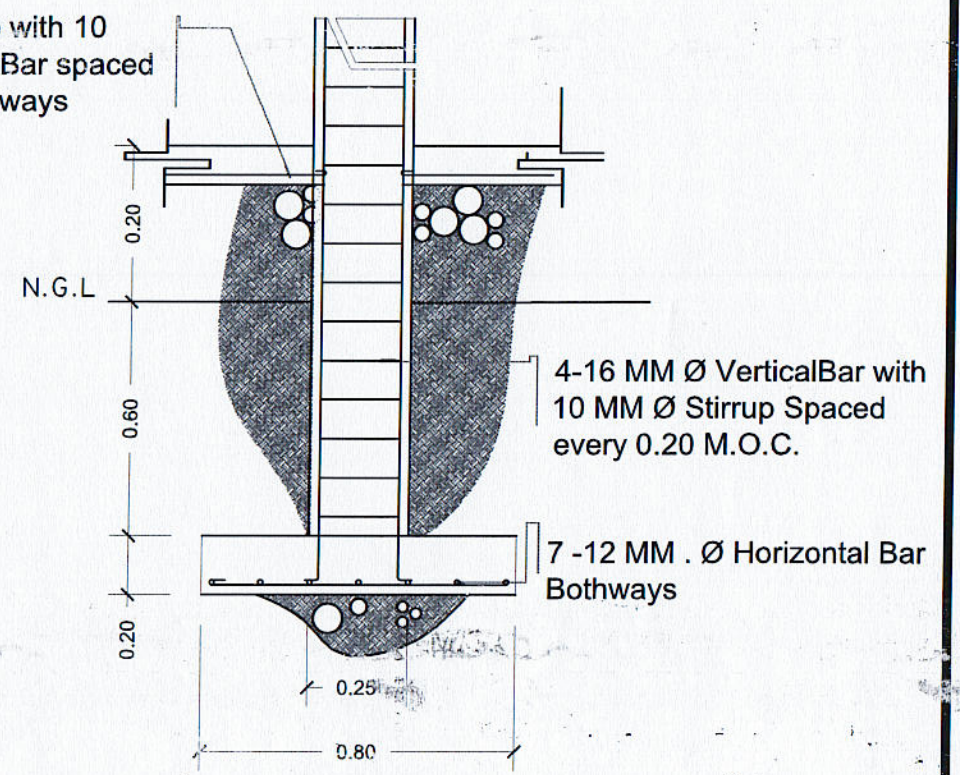
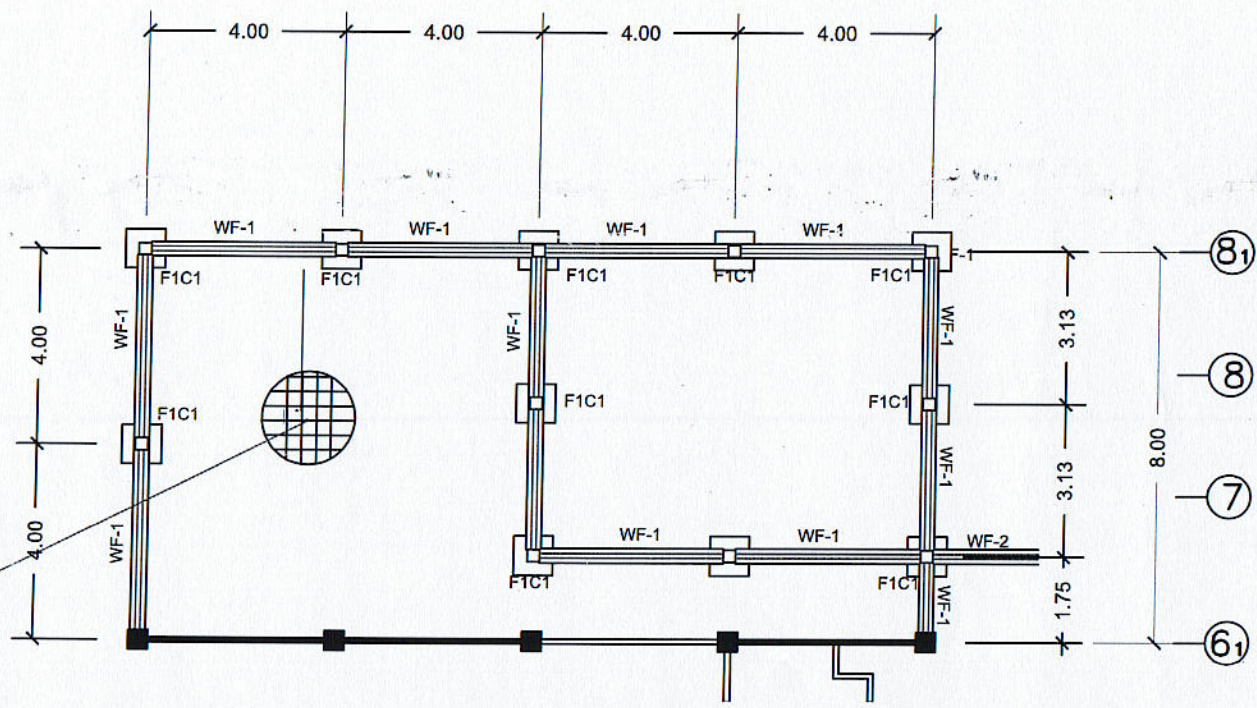
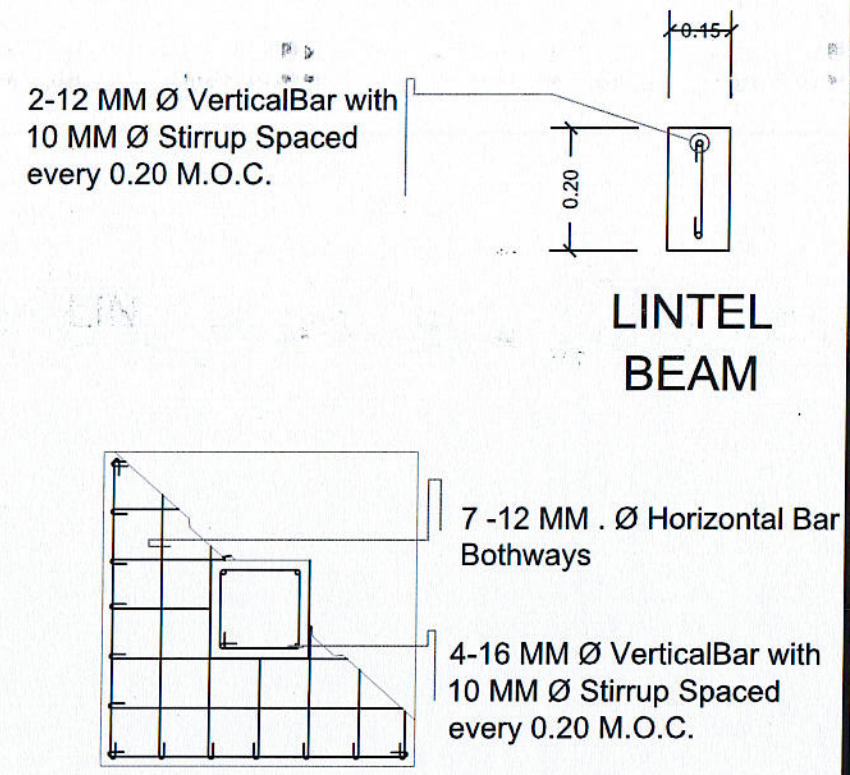
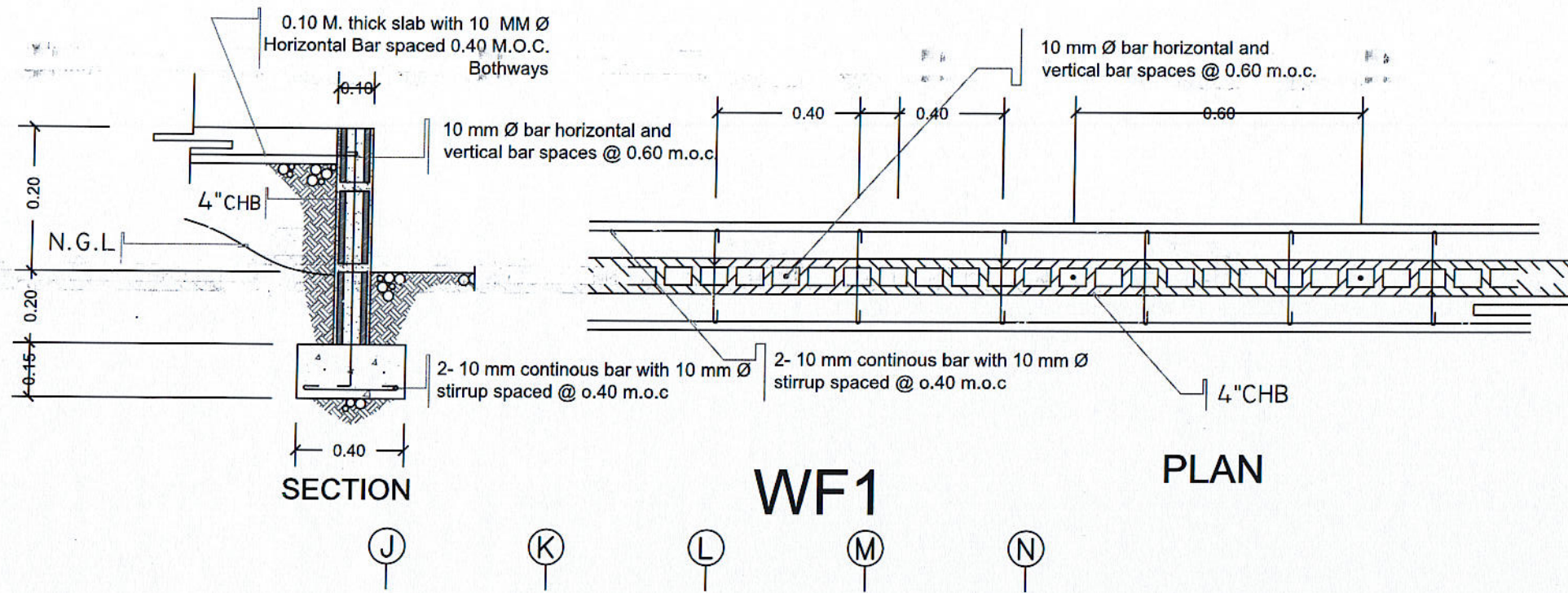
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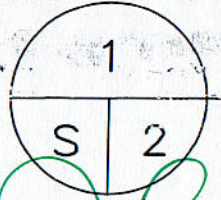


SECTION

PREPARED BY: JUAN N. RODIL CEIT/PPU	PREPARED BY: LORDEY M. ABELGAR CEIT/PPU	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: MARY JANE D. TEPORA VPRES OVPPO	REC. APPROVAL: CAMILO A. POLINGA VPRES VPASS	APPROVED BY: HERNANDO D. ROBLES PRESIDENT CVSU	PROJECT TITLE/ LOCATION IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO.: S 1
CHECKED BY: ELPIDIO N. RODEROS JR. UNIT HEAD, PPU	END-USER: JENNY BEB F. EBO DIRECTOR EBA							



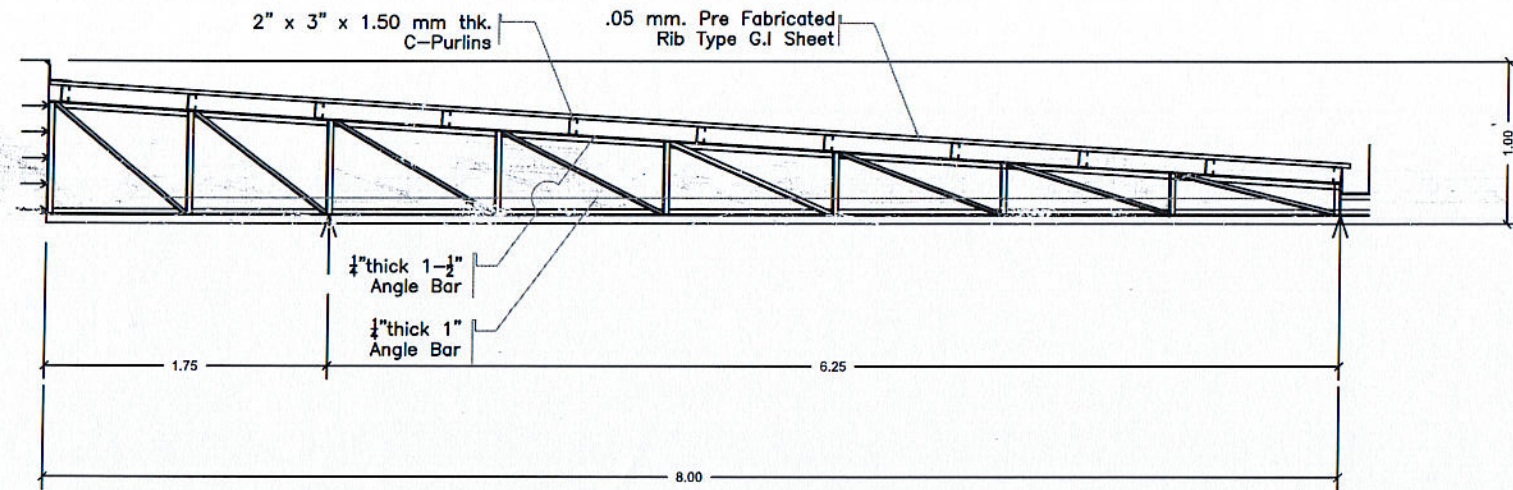
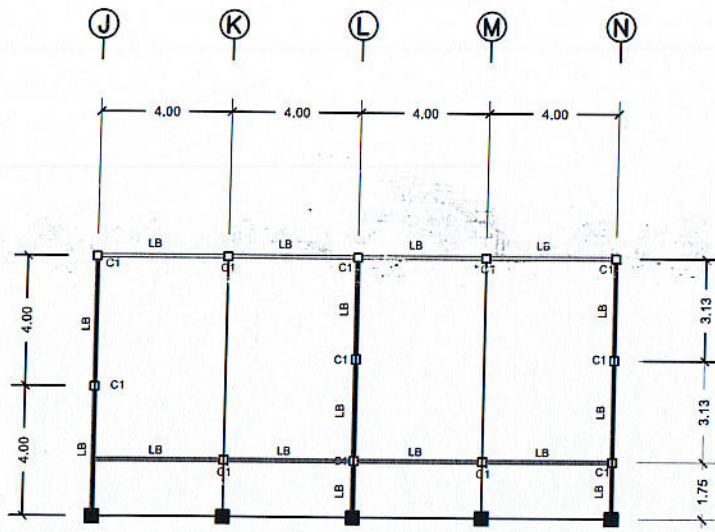
FOUNDATION PLAN
PRINTING & OBA STOCK ROOM



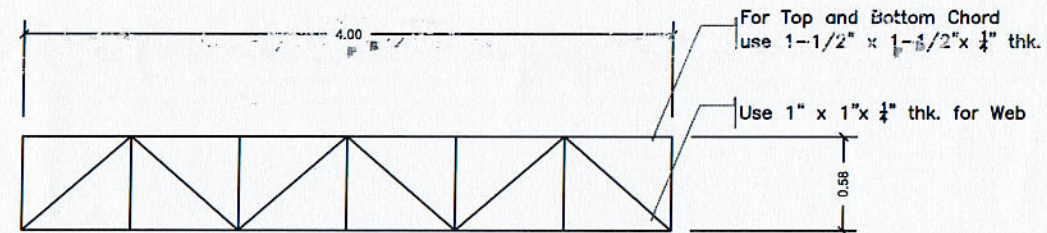
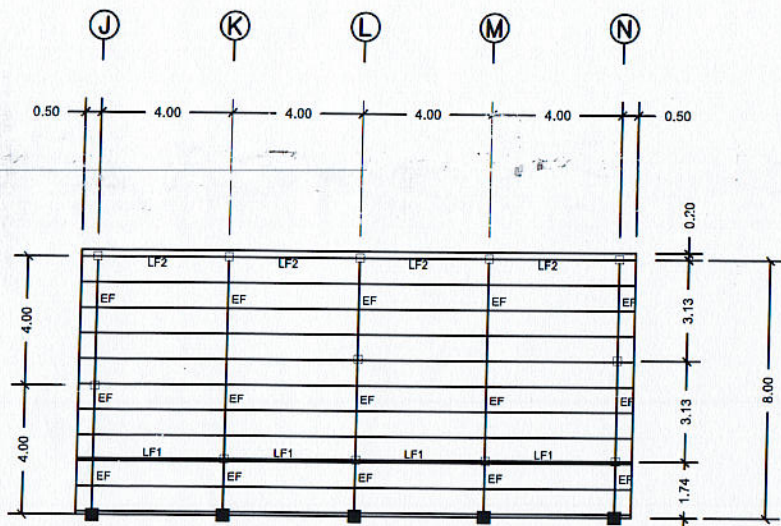
SCALE

N D S

PREPARED BY: JUAN N. RODIL CEIT/PPU	PREPARED BY: LORDLEY M. ABELAR CEIT/PPU	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: MARY JANE D. TEPORA VPRES OVPPD	REC. APPROVAL: CAMILO A. POLINGA VPRES VPASS	APPROVED BY: HERNANDO D. ROBLES PRESIDENT CVSU	PROJECT TITLE/ LOCATION IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: S 2
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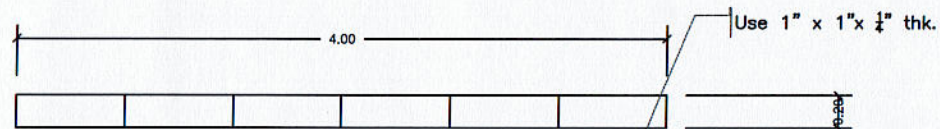


2
S 3
END FRAME
SCALE N D S



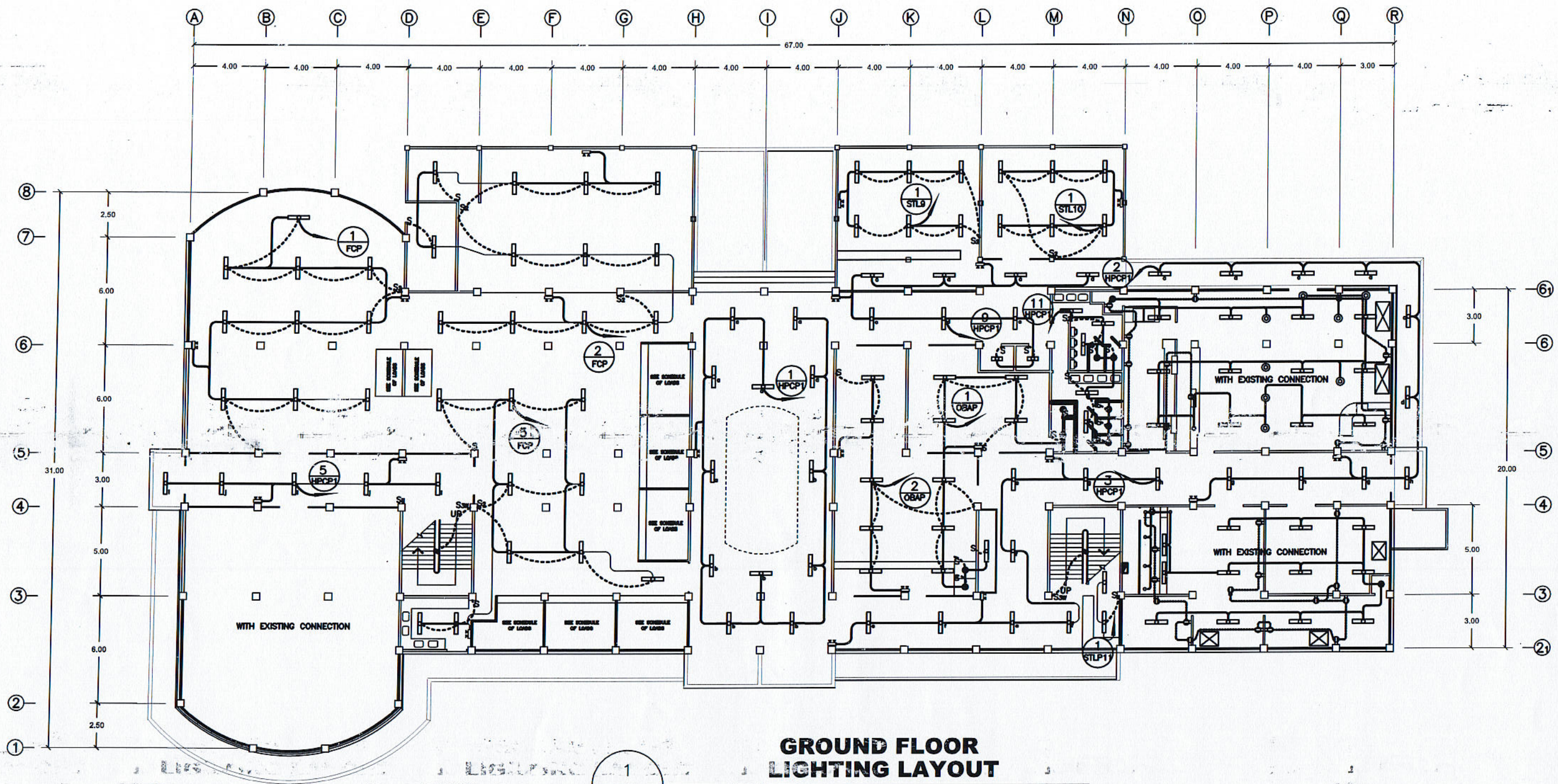
3
S 3
LATERAL FRAME 1
SCALE N D S

1
S 3
ROOF FRAMING PLAN
SCALE N D S



4
S 3
LATERAL FRAME 2
SCALE N D S

PREPARED BY: JUAN N. RODIL CET/PPU	PREPARED BY: LORDLEY W. ABELLAR CET/PPU	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: MARY L. D. TEPORA VPRES OVPDP	REC. APPROVAL: CAMILA A. VELINGA VPRES VPASS	APPROVED BY: HERNANDO E. ROBLES PRESIDENT CYSU	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: S 3
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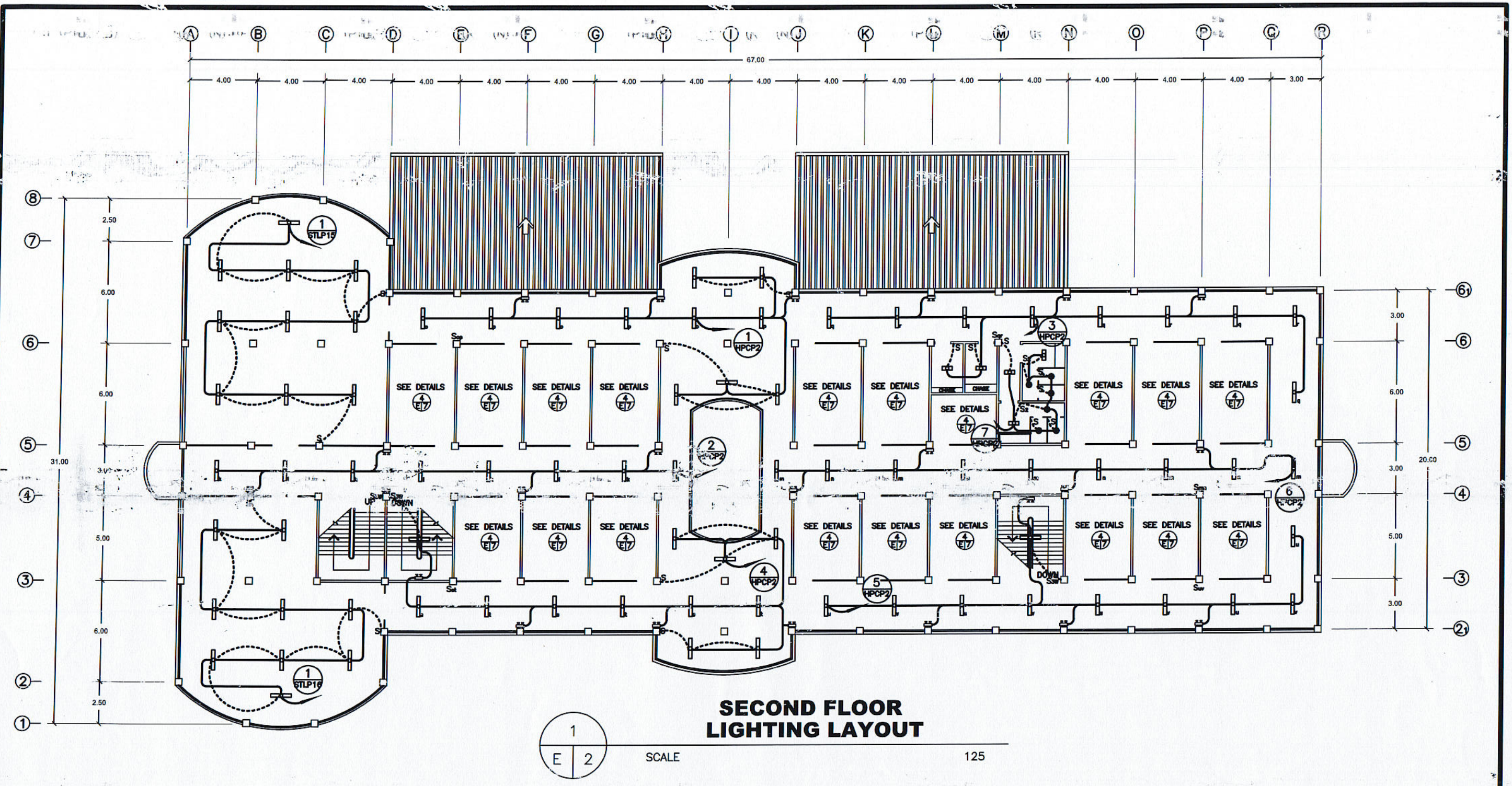


**GROUND FLOOR
LIGHTING LAYOUT**

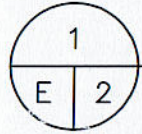


SCALE 1/25

PREPARED BY: LORDLEY M. BELLAR CET/PPU	PREPARED BY: RYAN JANSSEN R. SANCHEZ CET/PPU	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: MARY LANE D. TERORA VPRES OYPPD	REC. APPROVAL: CAMILO A. BOLINGA VPRES VPASS	APPROVED BY: HERNANDO D. ROBLES PRESIDENT CVSU	PROJECT TITLE / LOCATION IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO. E-1
CHECKED BY: RONALDI P. BENA PROFESSIONAL ELECTR. ENGR., PPU	END USER: JENNIFER F. EBO DIRECTOR EBA							

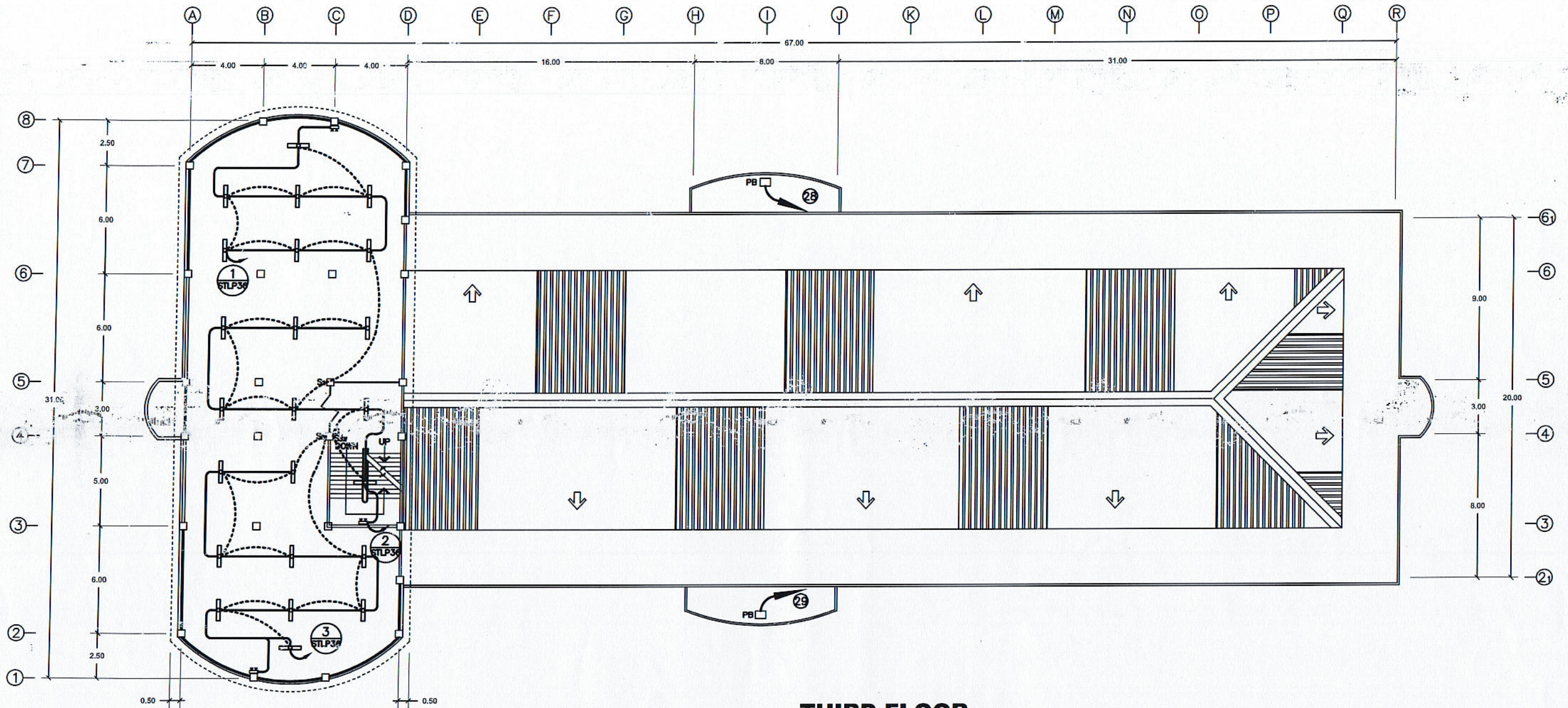


**SECOND FLOOR
LIGHTING LAYOUT**

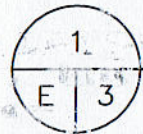


SCALE 125

PREPARED BY: LORDLEY M. ABELLAR EIT/PPU	PREPARED BY: RYAN JANSSEN & SANCHEZ EIT/PPU	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR	REC. APPROVAL: MARY JANE D. FEBORA VPRES	REC. APPROVAL: CAMILA A. POLINGA VPRES	APPROVED BY: HERNAN D. ROBLES PRESIDENT	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: E 2
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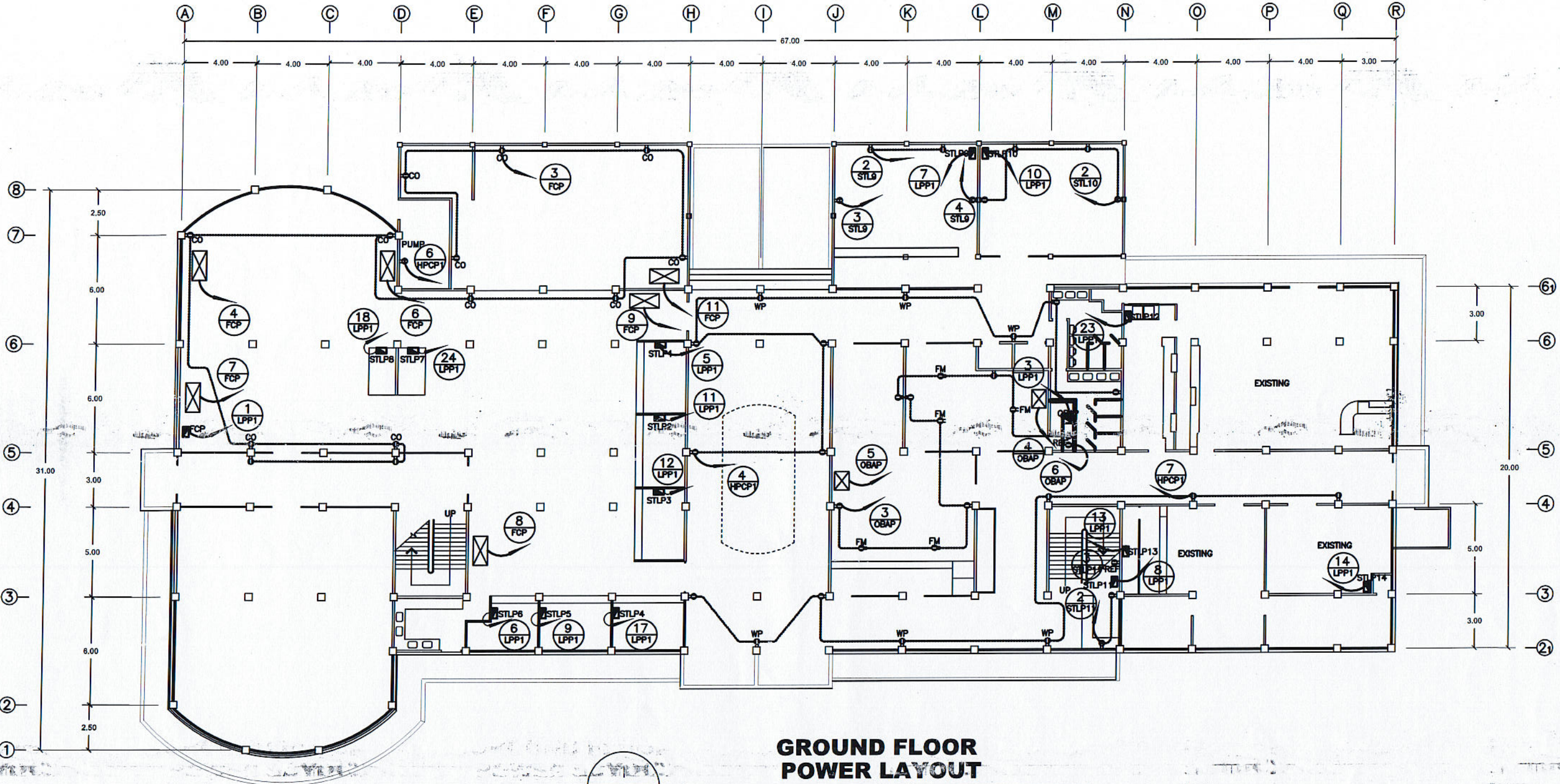
**THIRD FLOOR
LIGHTING LAYOUT**



SCALE

125

PREPARED BY: LORDLEY M. ABEL CEIT/PPU	PREPARED BY: RYAN JANSSEN R. SANCHEZ CEIT/PPU	ENDORSED BY: ORLANDO DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: MARY JANE FEDERA VPRES OVPPD	REC. APPROVAL: CAMILA POLINGA VPRES VPASS	APPROVED BY: HERNANDO D. ROBLES PRESIDENT CVSU	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO.: E 3
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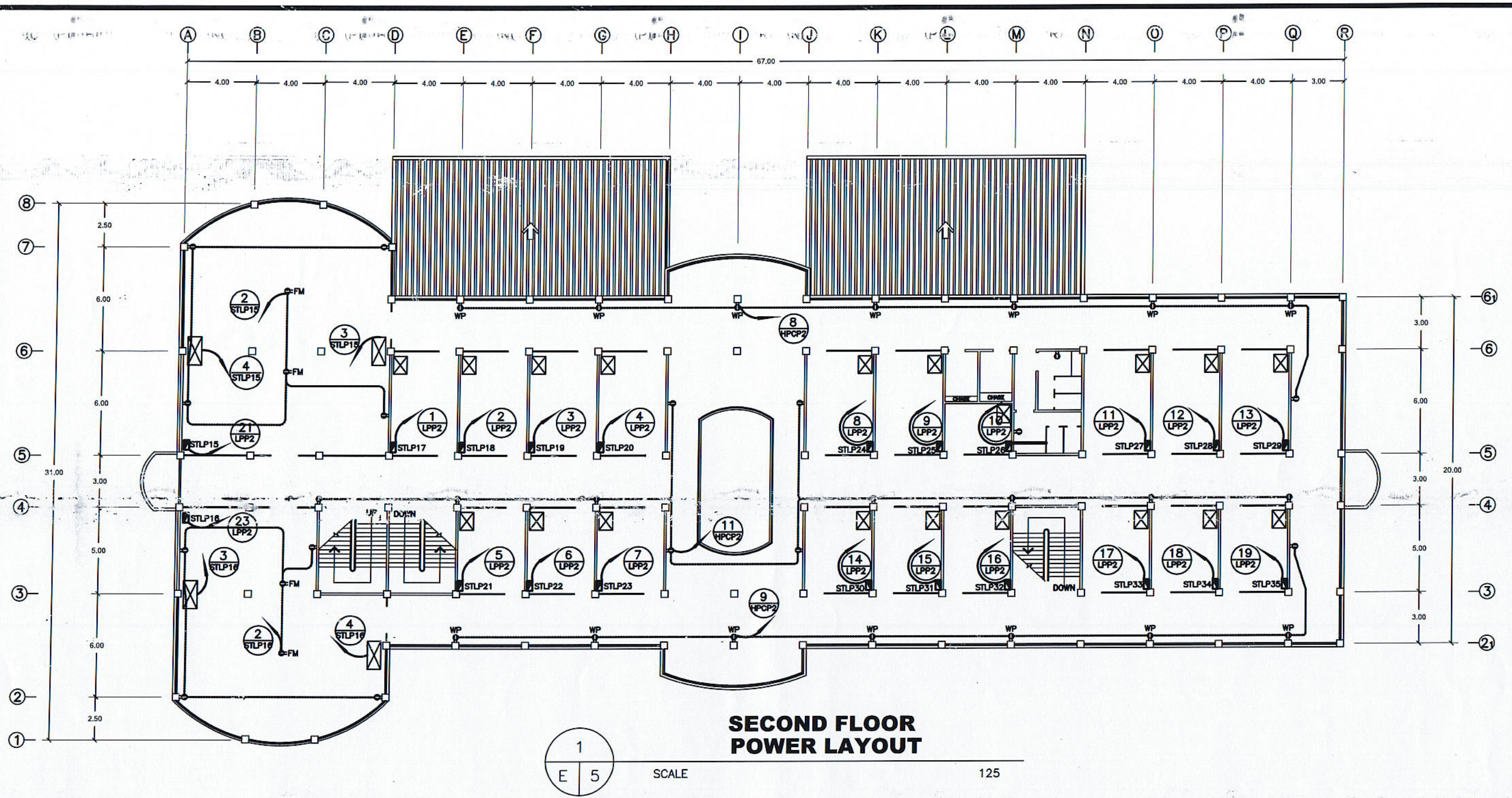
**GROUND FLOOR
POWER LAYOUT**



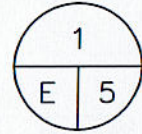
SCALE

125

PREPARED BY: LORDLEY M. ABELAR CET/PPU	PREPARED BY: RYAN JANSSEN R. SANCHEZ CET/PPU	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: MARY JANE D. TEBORA VPRES OVPPD	REC. APPROVAL: CAMILDO A. POLINGA VPRES VPASS	APPROVED BY: HERNANDO D. ROBLES PRESIDENT CVSU	PROJECT TITLE/LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO.: E 4
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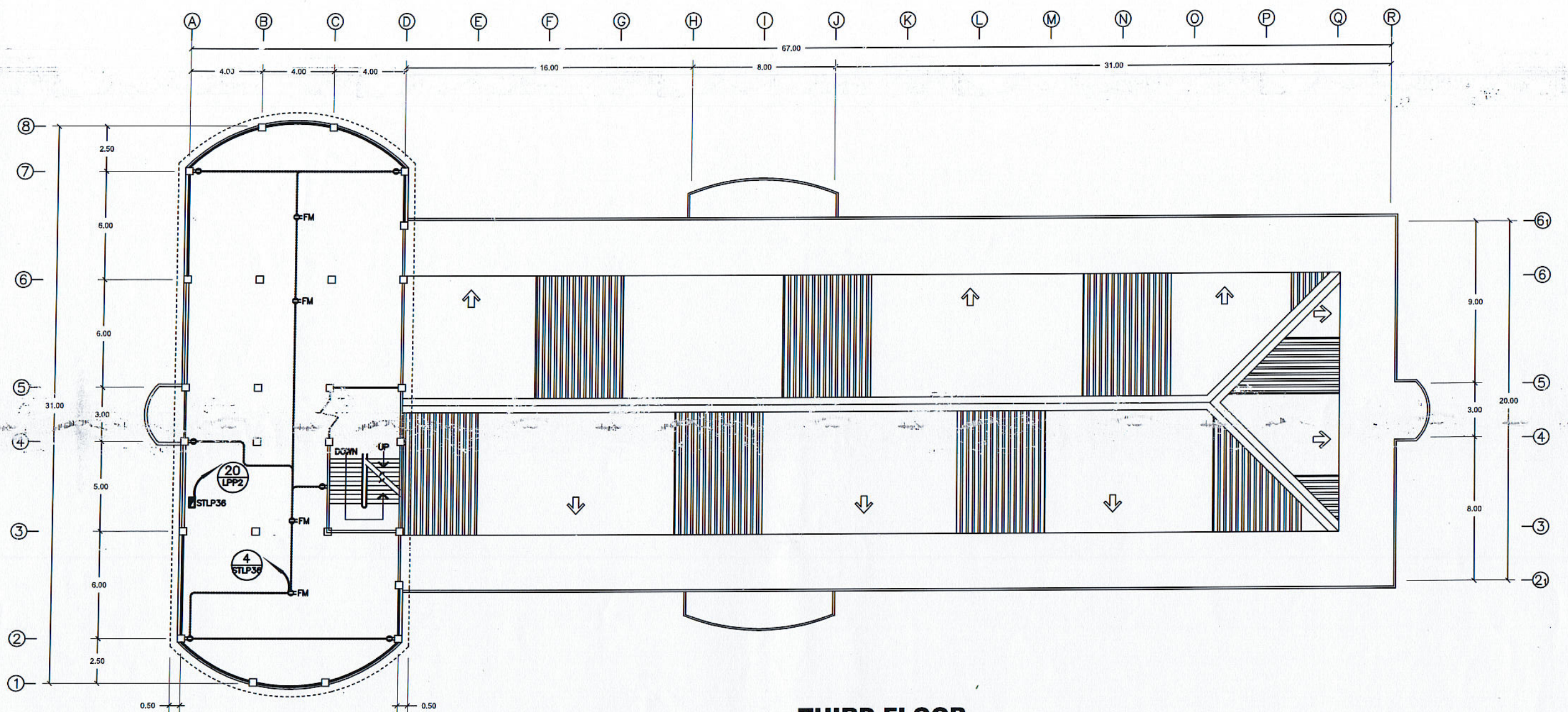
**SECOND FLOOR
POWER LAYOUT**



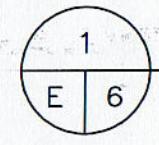
SCALE

125

PREPARED BY: LORDLEY M. ABELLAR CET/PPU	PREPARED BY: RYAN JATISSEN R. SANCHEZ CET/PPU	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR	REC. APPROVAL: MARY JANE D. TEPORA VPRES	REC. APPROVAL: CARLENE M. ROLINGA VPRES	APPROVED BY: MERNANDO D. ROBLES PRESIDENT	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY INDANG, CAVITE	SHEET NO: E 5
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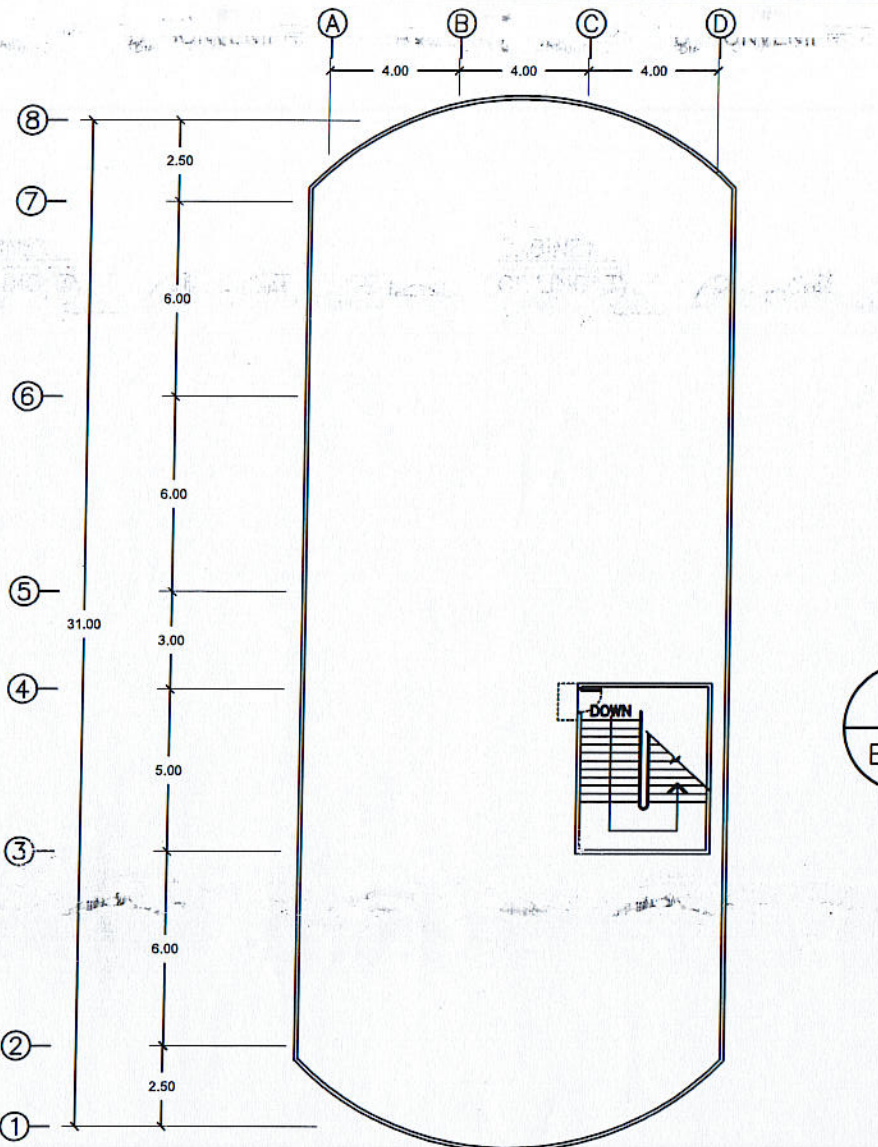


**THIRD FLOOR
POWER LAYOUT**

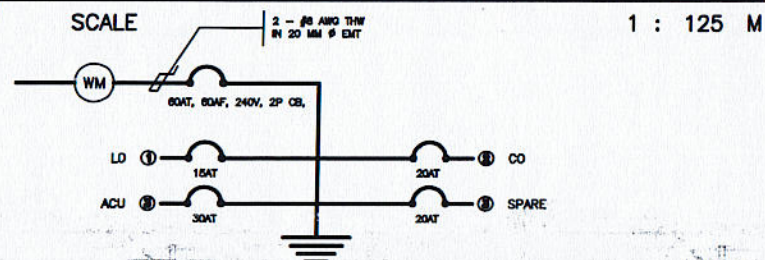


SCALE 125

PREPARED BY: LORDLEY W. ABELLER CEIT/PPU	PREPARED BY: RYAN ANSSEN V. SANCHEZ CEIT/PPU	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: MARY JANE D. TEPORA VPRES OVPPD	REC. APPROVAL: CAMILITA POLINGA VPRES VPASS	APPROVED BY: HERNANDO S. ROBLES PRESIDENT CVSU	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: E 6
CHECKED BY: RONALDO PROFESSIONAL ELECTRICAL ENGR., PPU	END-USER: JENNY LEE S. EBO DIRECTOR EBA							



1 ROOF DECK ELECTRICAL LAYOUT



TYPICAL RISER DIAGRAM FOR SMALLER STALLS

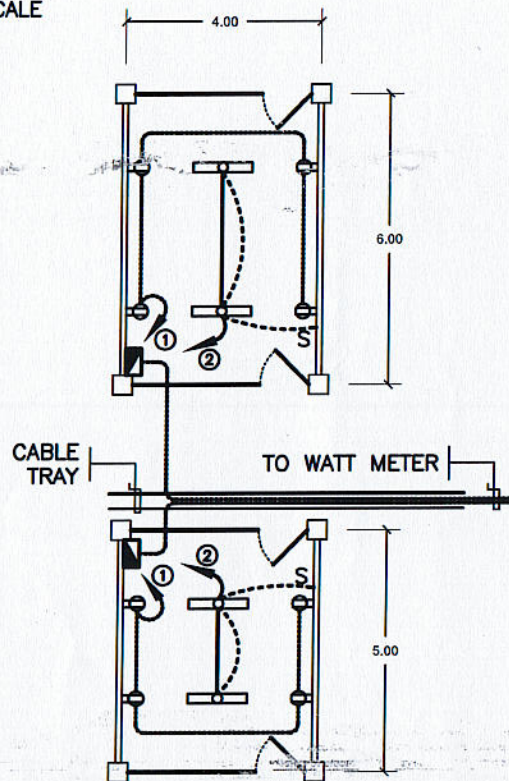
- WALL MOUNTED CONVENIENCE OUTLET
- FLOOR MOUNTED CONVENIENCE OUTLET
- WEATHER PROOF CONVENIENCE OUTLET
- 2-40W FLOURESCENT LAMP W/ DIFFUSER
- 2-20W FLOURESCENT LAMP W/ DIFFUSER
- 18W 3U COMPACT FLOURESCENT CABINET TYPE A/C BLOWER
- CEILING TYPE A/C BLOWER
- AIR CURTAIN
- CIRCUIT HOMERUN
- CIRCUIT NUMBER
- PANEL BOARD
- WATT METER
- PULL BOX
- ONE GANG SWITCH
- TWO GANG SWITCH
- THREE GANG SWITCH
- THREE WAY SWITCH

LEGEND



SCALE

NTS



TYPICAL ELECTRICAL LAYOUT FOR STALL 1 - 36



SCALE

1 : 60 M

PANEL: STLP1-STLP6		CABLE: 2 - 3.5 SQ. MM THHN + G 2.0 SQ MM THHN		MAIN: 40 AT, 50 AF, 2P, 230V, 10 KAIC, MCCB				
PHASE: 2		CONDUIT: RSC, 15 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	AMP	CIRCUIT PROTECTION		Color Code	
					CIRCUIT BREAKER RATING	Size of Conductor SQ. MM THHN + SQ. MM THHN(G)		Size Of Conduit in MMφ
1	L.O. (2)	200.00	230.00	0.87	15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
2	C.O. (3)	540.00	230.00	2.35	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R,1B, G
3	SPACE							
4	SPACE							
TOTAL		740.00	230.00	3.22	40AT, 2P, 10 KAIC	2 - 5.5 + G 2.0	15	1R,1B, G

FEEDER and CURRENT PROTECTION COMPUTATION:

Demand Factor - 80%

$I_{sc} = [3.22 + 25\%] \text{Im} \quad \text{IDF} = 2.57 \text{ Amperes}$

NOTE: G - Means Ground Wire
1R- Color RED
1B- Color BLUE
1Y- Color YELLOW
1G- Color GREEN

use: 2 - 5.5 SQMM THHN + 1 - 2.0 SQMM THHN IN 15 MM DIA. RSC

$I_{CB} = [3.22 + 250\%] \text{Im} \quad \text{IDF} = 2.57 \text{ Amperes}$

use: 40AT, 50AF, 2P, 230V, 10KAIC, CB

This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.

PANEL: STLP7-STLP8		CABLE: 2 - 5.5 SQ. MM THHN + G 2.0 SQ MM THHN		MAIN: 20 AT, 50 AF, 2P, 230V, 10 KAIC, MCCB				
PHASE: 2		CONDUIT: RSC, 15 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	AMP	CIRCUIT PROTECTION		Color Code	
					CIRCUIT BREAKER RATING	Size of Conductor SQ. MM THHN + SQ. MM THHN(G)		Size Of Conduit in MMφ
1	L.O. (1)	100.00	230.00	0.43	15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
2	C.O. (2)	360.00	230.00	1.57	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R,1B, G
3	SPACE							
4	SPACE							
TOTAL		460.00	230.00	2.00	20AT, 2P, 10 KAIC	2 - 5.5 + G 2.0	15	1R,1B, G

FEEDER and CURRENT PROTECTION COMPUTATION:

Demand Factor - 80%

$I_{sc} = [2.00 + 25\%] \text{Im} \quad \text{IDF} = 1.60 \text{ Amperes}$

NOTE: G - Means Ground Wire
1R- Color RED
1B- Color BLUE
1Y- Color YELLOW
1G- Color GREEN

use: 2 - 5.5 SQMM THHN + 1 - 2.0 SQMM THHN IN 15 MM DIA. RSC

$I_{CB} = [2.00 + 250\%] \text{Im} \quad \text{IDF} = 1.60 \text{ Amperes}$

use: 20AT, 50AF, 2P, 230V, 10KAIC, CB

This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.

PANEL: STLP9		CABLE: 2 - 8.0 SQ. MM THHN + G 3.5 SQ MM THHN		MAIN: 40 AT, 50 AF, 2P, 230V, 10 KAIC, MCCB				
PHASE: 2		CONDUIT: RSC, 20 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	AMP	CIRCUIT PROTECTION		Color Code	
					CIRCUIT BREAKER RATING	Size of Conductor SQ. MM THHN + SQ. MM THHN(G)		Size Of Conduit in MMφ
1	L.O. (5) + E.L. (1)	780	230	3.39	15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
2	C.O. (2)	360	230	1.57	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R,1B, G
3	S.O. (1)	1800	230	7.83	40AT, 2P, 10 KAIC	2 - 8.0 + G 3.5	20	1R,1B, G
4	S.O. (1)	1800	230	7.83	40AT, 2P, 10 KAIC	2 - 8.0 + G 3.5	20	1R,1B, G
5	SPACE							
6	SPACE							
TOTAL		4740.00	230	20.61	40AT, 2P, 10 KAIC	2 - 8.0 + G 3.5	20	1R,1B, G

FEEDER and CURRENT PROTECTION COMPUTATION:

Demand Factor - 80%

$I_{sc} = [20.61 + 25\%] \text{Im} \quad \text{IDF} = 16.49 \text{ Amperes}$

NOTE: G - Means Ground Wire
1R- Color RED
1B- Color BLUE
1Y- Color YELLOW
1G- Color GREEN

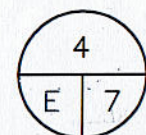
use: 2 - 8.0 SQMM THHN + 1 - 3.5 SQMM THHN IN 20 MM DIA. RSC

$I_{CB} = [20.61 + 250\%] \text{Im} \quad \text{IDF} = 16.49 \text{ Amperes}$

use: 40AT, 50AF, 2P, 230V, 18KAIC, CB

This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.

SCHEDULE OF LOADS



SCALE

NTS

PREPARED BY: LORDLEY M. ABELLAR CET/PPU	PREPARED BY: RYAN JANSSEN R. SANCHEZ CET/PPU	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REG. APPROVAL: MARY JANE D. TERORA VPRES OVPPD	REG. APPROVAL: CAMILO A. POLINGA VPRES VPASS	APPROVED BY: HERNANDO D. ROBLES PRESIDENT CVSU	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) INDAHO, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: E
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PANEL: STLP10		CABLE: 2 - 3.5 SQ. MM THHN + G 2.0 SQ MM THHN		MAIN: 20 AT, 50 AF, 2P, 230V, 10 KAIC, MCCB				
PHASE: 2		CONDUIT: RSC, 15 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	AMP	CIRCUIT PROTECTION	Size of Conductor SQ. MM THHN + SQ. MM THHN(G)	Size Of Conduit in MM#	Color Code
1	L.O. (6) + EL. (1)	780	230	3.39	15AT, 2P, 10 KAIC	2 - 2.0	15	1R, 1B, G
2	C.O. (4)	720	230	3.13	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R, 1B, G
3	SPACE							
4	SPACE							
TOTAL		1500.00	230	6.52	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R, 1B, G
FEEDER and CURRENT PROTECTION COMPUTATION:						Demand Factor - 80%		
NOTE:						$I_{L1} = [6.52 + 25\% \text{Im}] \text{DF} = 5.22 \text{ Amperes}$ use: 2 - 3.5 SQMM THHN + 1 - 2.0 SQMM THHN IN 15 MM DIA. RSC $ICB = [6.52 + 250\% \text{Im}] \text{DF} = 5.22 \text{ Amperes}$ use: 20AT, 50AF, 2P, 230V, 10KAIC, CB		
This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.								

PANEL: STLP11		CABLE: 2 - 8.0 SQ. MM THHN + G 3.5 SQ MM THHN		MAIN: 40 AT, 50 AF, 2P, 230V, 10 KAIC, MCCB				
PHASE: 2		CONDUIT: RSC, 25 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	AMP	CIRCUIT PROTECTION	Size of Conductor SQ. MM THHN + SQ. MM THHN(G)	Size Of Conduit in MM#	Color Code
1	L.O. (2)	200.00	230.00	0.87	15AT, 2P, 10 KAIC	2 - 2.0	15	1R, 1B, G
2	C.O. (2)	360.00	230.00	1.57	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R, 1B, G
3	REFRIGERATOR - 1.5HP	1119.00	230.00	10.00	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R, 1B, G
4	SPACE							
TOTAL		1679.00	230.00	12.43	40AT, 2P, 10 KAIC	2 - 8.0 + G 3.5	25	1R, 1B, G
FEEDER and CURRENT PROTECTION COMPUTATION:						Demand Factor - 80%		
NOTE:						$I_{L1} = [12.43 + 25\% \text{Im}] \text{DF} = 11.96 \text{ Amperes}$ use: 2 - 8.0 SQMM THHN + 1 - 3.5 SQMM THHN IN 25 MM DIA. RSC $ICB = [12.43 + 250\% \text{Im}] \text{DF} = 20.86 \text{ Amperes}$ use: 40AT, 50AF, 2P, 230V, 10KAIC, CB		
This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.								

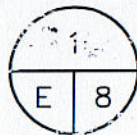
PANEL: STLP12		CABLE: 2 - 22.0 SQ. MM THHN + G 8.0 SQ MM THHN		MAIN: 100 AT, 100 AF, 2P, 230V, 10 KAIC, MCCB				
PHASE: 2		CONDUIT: RSC, 25 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	AMP	CIRCUIT PROTECTION	Size of Conductor SQ. MM THHN + SQ. MM THHN(G)	Size Of Conduit in MM#	Color Code
1	ACU	1492	230	12.00	40AT, 2P, 10 KAIC	2 - 5.5 + G 3.5	15	1R, 1B, G
2	C.O.	1400	230	6.09	30AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R, 1B, G
3	ACU	1492	230	12.00	40AT, 2P, 10 KAIC	2 - 5.5 + G 3.5	15	1R, 1B, G
4	EXHAUST	5371	230	7.20	30AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R, 1B, G
5	SPACE							
6	L.O.	2400	230	10.43	15AT, 2P, 10 KAIC	2 - 2.0	15	1R, 1B, G
7								
8								
TOTAL		12155.20	230	47.77	100AT, 2P, 10 KAIC	2 - 22.0 + G 8.0	25	1R, 1B, G
FEEDER and CURRENT PROTECTION COMPUTATION:						Demand Factor - 80%		
NOTE:						$I_{L1} = [47.72 + 25\% \text{Im}] \text{DF} = 43.78 \text{ Amperes}$ use: 2 - 22.0 SQMM THHN + 1 - 8.0 SQMM THHN IN 25 MM DIA. RSC $ICB = [47.72 + 250\% \text{Im}] \text{DF} = 94.18 \text{ Amperes}$ use: 100AT, 100AF, 2P, 230V, 10KAIC, CB		
This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.								

PANEL: STLP13		CABLE: 2 - 14.0 SQ. MM THHN + G 5.5 SQ MM THHN		MAIN: 60 AT, 100 AF, 2P, 230V, 10 KAIC, MCCB				
PHASE: 2		CONDUIT: RSC, 25 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	AMP	CIRCUIT PROTECTION	Size of Conductor SQ. MM THHN + SQ. MM THHN(G)	Size Of Conduit in MM#	Color Code
1	L.O. (4)	400	230	1.74	30AT, 2P, 10 KAIC	2 - 2.0	15	1R, 1B, G
2	L.O. (5)	500	230	2.17	30AT, 2P, 10 KAIC	2 - 2.0	15	1R, 1B, G
3	ACU - 1.5HP	1119	230	10.00	30AT, 2P, 10 KAIC	2 - 5.5 + G 3.5	15	1R, 1B, G
4	ACU - 1.5HP	1119	230	10.00	30AT, 2P, 10 KAIC	2 - 5.5 + G 3.5	15	1R, 1B, G
5	C.O. (10)	1800	230	7.83	30AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R, 1B, G
6					30AT, 2P, 10 KAIC	2 - 5.5 + G 2.0	15	1R, 1B, G
7					30AT, 2P, 10 KAIC	2 - 5.5 + G 2.0	15	1R, 1B, G
8					15AT, 2P, 10 KAIC	2 - 2.0	15	1R, 1B, G
9					20AT, 2P, 10 KAIC	2 - 2.0	15	1R, 1B, G
10					15AT, 2P, 10 KAIC	2 - 2.0	15	1R, 1B, G
TOTAL		4938.00	230	31.74	60AT, 2P, 10 KAIC	2 - 14.0 + G 5.5	25	1R, 1B, G
FEEDER and CURRENT PROTECTION COMPUTATION:						Demand Factor - 80%		
NOTE:						$I_{L1} = [31.74 + 25\% \text{Im}] \text{DF} = 28.79 \text{ Amperes}$ use: 2 - 14.0 SQMM THHN + 1 - 5.5 SQMM THHN IN 25 MM DIA. RSC $ICB = [31.74 + 250\% \text{Im}] \text{DF} = 59.39 \text{ Amperes}$ use: 60AT, 100AF, 2P, 230V, 10KAIC, CB		
This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.								

PANEL: STLP13		CABLE: 2 - 8.0 SQ. MM THHN + G 3.5 SQ MM THHN		MAIN: 40 AT, 50 AF, 2P, 230V, 10 KAIC, MCCB				
PHASE: 2		CONDUIT: RSC, 20 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	AMP	CIRCUIT PROTECTION	Size of Conductor SQ. MM THHN + SQ. MM THHN(G)	Size Of Conduit in MM#	Color Code
1	L.O. (4)	400.00	230.00	1.74	15AT, 2P, 10 KAIC	2 - 2.0	15	1R, 1B, G
2	C.O. (2)	360.00	230.00	1.57	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R, 1B, G
3	SPACE							
4	SPACE							
TOTAL		760.00	230.00	3.30	40AT, 2P, 10 KAIC	2 - 8.0 + G 3.5	20	1R, 1B, G
FEEDER and CURRENT PROTECTION COMPUTATION:						Demand Factor - 80%		
NOTE:						$I_{L1} = [3.30 + 25\% \text{Im}] \text{DF} = 4.64 \text{ Amperes}$ use: 2 - 8.0 SQMM THHN + 1 - 3.5 SQMM THHN IN 20 MM DIA. RSC $ICB = [3.30 + 250\% \text{Im}] \text{DF} = 22.64 \text{ Amperes}$ use: 40AT, 50AF, 2P, 230V, 10KAIC, CB		
This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.								

PANEL: STLP14		CABLE: 2 - 8.0 SQ. MM THHN + G 3.5 SQ MM THHN		MAIN: 40 AT, 50 AF, 2P, 230V, 10 KAIC, MCCB				
PHASE: 2		CONDUIT: RSC, 20 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	AMP	CIRCUIT PROTECTION	Size of Conductor SQ. MM THHN + SQ. MM THHN(G)	Size Of Conduit in MM#	Color Code
1	L.O. (4)	400.00	230.00	1.74	15AT, 2P, 10 KAIC	2 - 2.0	15	1R, 1B, G
2	C.O. (2)	360.00	230.00	1.57	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R, 1B, G
3	SPACE							
4	SPACE							
TOTAL		760.00	230.00	3.30	40AT, 2P, 10 KAIC	2 - 8.0 + G 3.5	20	1R, 1B, G
FEEDER and CURRENT PROTECTION COMPUTATION:						Demand Factor - 80%		
NOTE:						$I_{L1} = [3.30 + 25\% \text{Im}] \text{DF} = 4.64 \text{ Amperes}$ use: 2 - 8.0 SQMM THHN + 1 - 3.5 SQMM THHN IN 20 MM DIA. RSC $ICB = [3.30 + 250\% \text{Im}] \text{DF} = 22.64 \text{ Amperes}$ use: 40AT, 50AF, 2P, 230V, 10KAIC, CB		
This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.								

SCHEDULE OF LOADS



SCALE

N T S

PREPARED BY: WORLDLEY M. ABELL & RYAN JANSSEN R. SANCHEZ	END-USER: JERONIMO EBO	ENDORSED BY: ORLANDO B. DE LOS REYES	REC. APPROVAL: MARY ANNE ESTEPO	REC. APPROVAL: CAMILLO A. POLINGA	APPROVED BY: HERNANDEZ D. ROBLES	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN)	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: E 8
CHECKED BY: RONALDO M. DENA	END-USER: JERONIMO EBO	ENDORSED BY: ORLANDO B. DE LOS REYES	REC. APPROVAL: MARY ANNE ESTEPO	REC. APPROVAL: CAMILLO A. POLINGA	APPROVED BY: HERNANDEZ D. ROBLES	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN)	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: E 8
PROFESSIONAL ELECTRICAL ENGR. PPU	DIRECTOR EBA	DIRECTOR PLANNING OFFICE	VPRES	VPRES	PRESIDENT CYSU	CAVITE STATE UNIVERSITY	INDANG, CAVITE	SHEET NO: E 8

PANEL: OBAP		CABLE: 2 - 38.0 SQ. MM THHN + G 14.0 SQ MM THHN		MAIN: 125 AT, 225 AF, 2P, 230V, 10 KAIC, MCCB				
PHASE: 2		CONDUIT: RSC, 32 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO.	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	AMP	CIRCUIT PROTECTION	Size of Conductor	Size of Conduit in MM Ø	Color Code
					CIRCUIT BREAKER RATING	SQ. MM THHN + SQ. MM THHN(G)		
1	L.O. (12) + E.L. (1)	1380.00	230.00	6.00	15AT, 2P, 10 KAIC	2-2.0	15	1R, 1B, G
2	L.O. (5) + E.L. (2)	860.00	230.00	3.74	15AT, 2P, 10 KAIC	2-2.0	15	1R, 1B, G
3	C.O. (11)	1980.00	230.00	6.61	20AT, 2P, 10 KAIC	2-3.5 + G 2.0	15	1R, 1B, G
4	ACU (3HP)	2238.00	230.00	17.00	40AT, 2P, 10 KAIC	2-5.5 + G 2.0	15	1R, 1B, G
5	ACU (4HP)	2934.00	230.00	23.00	50AT, 2P, 10 KAIC	2-8.0 + G 2.0	20	1R, 1B, G
6	REFRIGERATOR - 1.5HP	1119.00	230.00	4.87	20AT, 2P, 10 KAIC	2-3.5 + G 2.0	15	1R, 1B, G
7	SPACE							
8	SPACE							
TOTAL		10561.00	230.00	63.21	125AT, 2P, 10 KAIC	2-38.0 + G 14.0	32	1R, 1B, G

FEEDER and CURRENT PROTECTION COMPUTATION:
Demand Factor - 80%
 $I_{FL} = [63.21 + 25\% Im] DF = 55.17 \text{ Amperes}$
use: 2-38.0 SQMM THHN + 1-14.0 SQMM THHN IN 32 MM DIA. RSC

NOTE:
G - Means Ground Wire
1R- Color RED
1BL- Color BLUE
1Y- Color YELLOW
1G- Color GREEN

$I_{CB} = [63.21 + 250\% Im] DF = 96.57 \text{ Amperes}$
use: 125AT, 225AF, 2P, 230V, 10KAIC, CB

This Electrical Design is good only for the above connected loads.
Any additional electrical load connection in the future is prohibited.
Except redesign of electrical load system will be done.

PANEL: HPCP1		CABLE: 3 - 14.0 SQ. MM THHN + G 6.6 SQ MM THHN		MAIN: 70 AT, 100 AF, 3P, 230V, 18 KAIC, MCCB				
PHASE: 3		CONDUIT: RSC, 25 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION: ELECTRICAL ROOM (GROUND FLOOR)		MOUNTING: SURFACE				
CKT NO.	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	LOAD CURRENT IN AMPERES	CIRCUIT PROTECTION	Size of Conductor	Size of Conduit in MM Ø	Color Code
					CIRCUIT BREAKER RATING	SQ. MM THHN + SQ. MM THHN(G)		
1	L.O. (12) + E.L. (1)	1380.00	230	6.00	15AT, 2P, 10 KAIC	2-2.0	15	1R, 1B, G
2	L.O. (10) + E.L. (2)	1360.00	230	5.91	15AT, 2P, 10 KAIC	2-2.0	15	1R, 1B, G
3	L.O. (8) + E.L. (3)	1340.00	230	5.83	15AT, 2P, 10 KAIC	2-2.0	15	1R, 1B, G
4	C.O. (9)	1620.00	230	7.04	20AT, 2P, 10 KAIC	2-3.5 + G 2.0	15	1R, 1B, G
5	L.O. (5) + E.L. (2)	860.00	230	3.74	15AT, 2P, 10 KAIC	2-2.0	15	1R, 1B, G
6	PUMP	1119.00	230	10.00	20AT, 2P, 10 KAIC	2-3.5 + G 2.0	15	1R, 1B, G
7	C.O. (8)	1440.00	230	6.26	20AT, 2P, 10 KAIC	2-3.5 + G 2.0	15	1R, 1B, G
8	SPACE							
9	L.O. (9) + E.L. (2)	1280.00	230	5.48	15AT, 2P, 10 KAIC	2-2.0	15	1R, 1B, G
10	SPACE							
11	L.O. (10)	1000.00	230	4.35	15AT, 2P, 10 KAIC	2-2.0	15	1R, 1B, G
12	SPACE							
TOTAL		11379.00	230	18.17	70AT, 3P, 18 KAIC	3-14.0 + G 5.5	25	1R, 1B, 1Y, G

FEEDER and CURRENT PROTECTION COMPUTATION:
Demand Factor - 85%
 $I_{FL} = [(1.732 \times 19.91) + 25\% \times Im] DF = 29.14 \text{ Amperes}$
use: 3-14.0 SQMM THHN + 1-5.5 SQMM THHN IN 25 MM DIA. RSC

NOTE:
G - Means Ground Wire
1R- Color RED
1BL- Color BLUE
1Y- Color YELLOW
1G- Color GREEN

$I_{CB} = [(1.732 \times 19.91) + 250\% \times Im] DF = 48.26 \text{ Amperes}$
use: 70AT, 100AF, 3P, 230V, 18KAIC, CB

This Electrical Design is good only for the above connected loads.
Any additional electrical load connection in the future is prohibited.
Except redesign of electrical load system will be done.

PANEL: FCP		CABLE: 3 - 60.0 SQ. MM THHN + G 14.0 SQ MM THHN		MAIN: 175 AT, 225 AF, 3P, 230V, 35 KAIC, MCCB				
PHASE: 3		CONDUIT: RSC, 40 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO.	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	LOAD CURRENT IN AMPERES	CIRCUIT PROTECTION	Size of Conductor	Size of Conduit in MM Ø	Color Code
					CIRCUIT BREAKER RATING	SQ. MM THHN + SQ. MM THHN(G)		
1	L.O. (10) + E.L. (2)	1360.00	230.00	5.91	15AT, 2P, 10 KAIC	2-2.0	15	1R, 1B, G
2	L.O. (12) + E.L. (2)	1560.00	230.00	6.78	15AT, 2P, 10 KAIC	2-2.0	15	1R, 1B, G
3	C.O. (13)	2340.00	230.00	10.17	20AT, 2P, 10 KAIC	2-3.5 + G 2.0	15	1R, 1B, G
4	CABINET TYPE A/C BLOWER (5HP)	3730.00	230.00	28.00	50AT, 2P, 10 KAIC	2-8.0 + G 3.5	20	1R, 1B, G
5	L.O. (10) + E.L. (1)	1180.00	230.00	5.13	15AT, 2P, 10 KAIC	2-2.0	15	1R, 1B, G
6	CABINET TYPE A/C BLOWER (5HP)	3730.00	230.00	28.00	50AT, 2P, 10 KAIC	2-8.0 + G 3.5	20	1R, 1B, G
7	CABINET TYPE A/C BLOWER (5HP)	3730.00	230.00	28.00	50AT, 2P, 10 KAIC	2-8.0 + G 3.5	20	1R, 1B, G
8	CABINET TYPE A/C BLOWER (5HP)	3730.00	230.00	28.00	50AT, 2P, 10 KAIC	2-8.0 + G 3.5	20	1R, 1B, G
9	CABINET TYPE A/C BLOWER (5HP)	3730.00	230.00	28.00	50AT, 2P, 10 KAIC	2-8.0 + G 3.5	20	1R, 1B, G
10	SPACE							
11	CABINET TYPE A/C BLOWER (5HP)	3730.00	230.00	28.00	50AT, 2P, 10 KAIC	2-8.0 + G 3.5	20	1R, 1B, G
12	SPACE							
TOTAL		25090.00	230.00	61.91	175AT, 3P, 18 KAIC	3-22.0 + G 5.5	40	1R, 1B, 1Y, G

FEEDER and CURRENT PROTECTION COMPUTATION:
Demand Factor - 85%
 $I_{FL} = [(1.732 \times 69.57) + 25\% \times Im] DF = 108.37 \text{ Amperes}$
use: 3-60.0 SQMM THHN + 1-14.0 SQMM THHN IN 40 MM DIA. RSC

NOTE:
G - Means Ground Wire
1R- Color RED
1BL- Color BLUE
1Y- Color YELLOW
1G- Color GREEN

$I_{CB} = [(1.732 \times 69.57) + 250\% \times Im] DF = 161.92 \text{ Amperes}$
use: 175AT, 225AF, 3P, 230V, 35KAIC, CB

This Electrical Design is good only for the above connected loads.
Any additional electrical load connection in the future is prohibited.
Except redesign of electrical load system will be done.

PANEL: LPP1		CABLE: 3 - 125 SQ. MM THHN + G 50 SQ MM THHN		MAIN: 250 AT, 400 AF, 3P, 230V, 35 KAIC, MCCB				
PHASE: 3		CONDUIT: RSC, 65 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION: ELECTRICAL ROOM (GROUND FLOOR)		MOUNTING: SURFACE				
CKT NO.	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	LOAD CURRENT IN AMPERES	CIRCUIT PROTECTION	Size of Conductor	Size of Conduit in MM Ø	Color Code
					CIRCUIT BREAKER RATING	SQ. MM THHN + SQ. MM THHN(G)		
1	FCP	25090.00	230	61.91	175AT, 3P, 18 KAIC	3-22.0 + G 5.5	40	1R, 1B, 1Y, G
2	SPACE							
3	OBAP	10561.00	230	63.21	125AT, 2P, 10 KAIC	2-38.0 + G 14.0	32	1R, 1B, G
4	SPACE							
5	STLP1	740.00	230	3.22	40AT, 2P, 10 KAIC	2-5.5 + G 2.0	15	1R, 1B, G
6	STLP8	740.00	230	3.22	40AT, 2P, 10 KAIC	2-5.5 + G 2.0	15	1R, 1B, G
7	STLP9	4740.00	230	20.61	40AT, 2P, 10 KAIC	2-8.0 + G 3.5	20	1R, 1B, G
8	STLP11	1678.00	230	12.43	40AT, 2P, 10 KAIC	2-8.0 + G 3.5	25	1R, 1B, G
9	STLP5	740.00	230	3.22	40AT, 2P, 10 KAIC	2-5.5 + G 2.0	15	1R, 1B, G
10	STLP10	1500.00	230	6.52	20AT, 2P, 10 KAIC	2-3.5 + G 2.0	15	1R, 1B, G
11	STLP2	740.00	230	3.22	40AT, 2P, 10 KAIC	2-5.5 + G 2.0	15	1R, 1B, G
12	STLP3	740.00	230	3.22	40AT, 2P, 10 KAIC	2-5.5 + G 2.0	15	1R, 1B, G
13	STLP13	4938.00	230	31.74	60AT, 2P, 10 KAIC	2-14.0 + G 5.5	25	1R, 1B, G
14	STLP14	760.00	230	3.30	40AT, 2P, 10 KAIC	2-8.0 + G 3.5	20	1R, 1B, G
15	SPACE							
16	SPACE							
17	STLP4	740.00	230	3.22	40AT, 2P, 10 KAIC	2-5.5 + G 2.0	15	1R, 1B, G
18	STLP8	460.00	230	2.00	20AT, 2P, 10 KAIC	2-5.5 + G 2.0	15	1R, 1B, G
19	SPACE							
20	SPACE							
21	SPACE							
22	SPACE							
23	STLP12	12155.20	230	47.72	100AT, 2P, 10 KAIC	2-22.0 + G 8.0	25	1R, 1B, G
24	STLP7	460.00	230	2.00	20AT, 2P, 10 KAIC	2-5.5 + G 2.0	15	1R, 1B, G
25	SPACE							
26	SPACE							
TOTAL		66783.20	230	134.67	250AT, 3P, 35 KAIC	3-125 + G 50.0	65	1R, 1B, 1Y, G

FEEDER and CURRENT PROTECTION COMPUTATION:
Demand Factor - 85%
 $I_{FL} = [(1.732 \times 132.35) + 25\% \times Im] DF = 199.81 \text{ Amperes}$
use: 3-125 SQMM THHN + 1-50 SQMM THHN IN 65 MM DIA. RSC

NOTE:
G - Means Ground Wire
1R- Color RED
1BL- Color BLUE
1Y- Color YELLOW
1G- Color GREEN

$I_{CB} = [(1.732 \times 132.35) + 250\% \times Im] DF = 199.81 \text{ Amperes}$
use: 250AT, 400AF, 3P, 230V, 35KAIC, CB

This Electrical Design is good only for the above connected loads.
Any additional electrical load connection in the future is prohibited.
Except redesign of electrical load system will be done.

SCHEDULE OF LOADS



SCALE

N T S

PREPARED BY: LOK DLEY M. AR... JAR	PREPARED BY: RYAN J. SANCHEZ R. SANCHEZ	ENDORSED BY: ORLANDO B. DE LOS REYES	REC. APPROVAL: MARY JAN... T... ROSA	REC. APPROVAL: CARMELO A. POLINGA	APPROVED BY: HERNANDO D. ROBLES	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN)	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO.: E 9
CHECKED BY: RONALD... ENA	END USER: JENNY BE... FEBU	DIRECTOR: ORLANDO B. DE LOS REYES	VPRES: MARY JAN... T... ROSA	VPASS: CARMELO A. POLINGA	PRESIDENT: HERNANDO D. ROBLES	CAVITE STATE UNIVERSITY	INDANG, CAVITE	

PANEL: STLP15		CABLE: 2 - 22.0 SQ. MM THHN + G 5.5 SQ MM THHN		MAIN: 85 AT, 100 AF, 2P, 230V, 10 KAIC, MCCB				
PHASE: 2		CONDUIT: RSC, 25 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO.	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	AMP	CIRCUIT PROTECTION CIRCUIT BREAKER RATING	Size of Conductor SQ. MM THHN + SQ. MM THHN(G)	Size Of Conduit In MMø	Color Code
1	L.O. (10)	1000.00	230.00	4.35	15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
2	C.O. (8)	1080.00	230.00	4.70	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R,1B, G
3	ACU (1) - 3HP	2238.00	230.00	17.00	40AT, 2P, 10 KAIC	2 - 5.5 + G 3.5	15	1R,1B, G
4	ACU (1) - 3HP	2238.00	230.00	17.00	40AT, 2P, 10 KAIC	2 - 5.5 + G 3.5	15	1R,1B, G
5	SPACE							
6	SPACE							
	TOTAL	6556.00	230.00	43.04	85AT, 2P, 10 KAIC	2 - 22.0 + G 5.5	25	1R,1B, G

FEEDER and CURRENT PROTECTION COMPUTATION:
Demand Factor - 80%
 $I_{fe} = [43.04 \times 25\% \text{ Im}] \text{ D.F.} = 37.83 \text{ Amperes}$
use: 2 - 22.0 SQMM THHN + 1 - 5.5 SQMM THHN IN 25 MM DIA. RSC
 $I_{cb} = [43.04 + 250\% \text{ Im}] \text{ D.F.} = 68.43 \text{ Amperes}$
use: 85AT, 100AF, 2P, 230V, 10KAIC, CB

NOTE:
G - Means Ground Wire
1R - Color RED
1B - Color BLUE
1Y - Color YELLOW
1G - Color GREEN

This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.

PANEL: STLP16		CABLE: 2 - 22.0 SQ. MM THHN + G 5.5 SQ MM THHN		MAIN: 85 AT, 100 AF, 2P, 230V, 10 KAIC, MCCB				
PHASE: 2		CONDUIT: RSC, 25 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO.	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	AMP	CIRCUIT PROTECTION CIRCUIT BREAKER RATING	Size of Conductor SQ. MM THHN + SQ. MM THHN(G)	Size Of Conduit In MMø	Color Code
1	L.O. (10)	1000	230	4.35	15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
2	C.O. (8)	1080	230	4.70	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R,1B, G
3	ACU - 3HP	2238	230	17.00	40AT, 2P, 10 KAIC	2 - 5.5 + G 3.5	15	1R,1B, G
4	ACU - 3HP	2238	230	17.00	40AT, 2P, 10 KAIC	2 - 5.5 + G 3.5	15	1R,1B, G
5	SPACE							
6	SPACE							
	TOTAL	6556.00	230	43.04	85AT, 2P, 10 KAIC	2 - 22.0 + G 5.5	25	1R,1B, G

FEEDER and CURRENT PROTECTION COMPUTATION:
Demand Factor - 80%
 $I_{fe} = [43.04 + 25\% \text{ Im}] \text{ D.F.} = 37.83 \text{ Amperes}$
use: 2 - 22.0 SQMM THHN + 1 - 5.5 SQMM THHN IN 25 MM DIA. RSC
 $I_{cb} = [43.04 + 250\% \text{ Im}] \text{ D.F.} = 68.43 \text{ Amperes}$
use: 85AT, 100AF, 2P, 230V, 10KAIC, CB

NOTE:
G - Means Ground Wire
1R - Color RED
1B - Color BLUE
1Y - Color YELLOW
1G - Color GREEN

This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.

PANEL: STLP17 TO STLP35		CABLE: 2 - 14.0 SQ. MM THHN + G 3.5 SQ MM THHN		MAIN: 50 AT, 50 AF, 2P, 230V, 10 KAIC, MCCB				
PHASE: 2		CONDUIT: RSC, 25 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO.	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	AMP	CIRCUIT PROTECTION CIRCUIT BREAKER RATING	Size of Conductor SQ. MM THHN + SQ. MM THHN(G)	Size Of Conduit In MMø	Color Code
1	L.O. (2)	200	230	0.87	15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
2	C.O. (2)	720	230	3.13	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R,1B, G
3	ACU - 1.5HP	1119	230	10.00	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R,1B, G
4	REFRIGERATOR - 1.5HP	1119	230	10.00	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R,1B, G
5	SPACE							
6	SPACE							
	TOTAL	3158.00	230	24.00	50AT, 2P, 10 KAIC	2 - 14.0 + G 3.5	25	1R,1B, G

FEEDER and CURRENT PROTECTION COMPUTATION:
Demand Factor - 80%
 $I_{fe} = [24.00 + 25\% \text{ Im}] \text{ D.F.} = 21.20 \text{ Amperes}$
use: 2 - 14.0 SQMM THHN + 1 - 3.5 SQMM THHN IN 25 MM DIA. RSC
 $I_{cb} = [24.00 + 250\% \text{ Im}] \text{ D.F.} = 39.20 \text{ Amperes}$
use: 50AT, 50AF, 2P, 230V, 10KAIC, CB

NOTE:
G - Means Ground Wire
1R - Color RED
1B - Color BLUE
1Y - Color YELLOW
1G - Color GREEN

This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.

PANEL: STLP36		CABLE: 2 - 14.0 SQ. MM THHN + G 3.5 SQ MM THHN		MAIN: 50 AT, 50 AF, 2P, 230V, 10 KAIC, MCCB				
PHASE: 2		CONDUIT: RSC, 25 MM DIA.		ENCLOSURE: NEMA 1				
VOLTS: 230		LOCATION		MOUNTING: SURFACE				
CKT NO.	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	AMP	CIRCUIT PROTECTION CIRCUIT BREAKER RATING	Size of Conductor SQ. MM THHN + SQ. MM THHN(G)	Size Of Conduit In MMø	Color Code
1	L.O. (7) + E.L. (1)	880	230	3.83	15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
2	L.O. (7) + E.L. (1)	880	230	3.83	15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
3	L.O. (9) + E.L. (1)	1080	230	4.70	15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
4	C.O. (10)	1800	230	7.83	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R,1B, G
5	SPACE							
6	SPACE							
	TOTAL	4640.00	230	20.17	50AT, 2P, 10 KAIC	2 - 14.0 + G 3.5	25	1R,1B, G

FEEDER and CURRENT PROTECTION COMPUTATION:
Demand Factor - 80%
 $I_{fe} = [20.17 + 25\% \text{ Im}] \text{ D.F.} = 16.14 \text{ Amperes}$
use: 2 - 14.0 SQMM THHN + 1 - 3.5 SQMM THHN IN 25 MM DIA. RSC
 $I_{cb} = [20.17 + 250\% \text{ Im}] \text{ D.F.} = 16.14 \text{ Amperes}$
use: 50AT, 50AF, 2P, 230V, 10KAIC, CB

NOTE:
G - Means Ground Wire
1R - Color RED
1B - Color BLUE
1Y - Color YELLOW
1G - Color GREEN

This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.

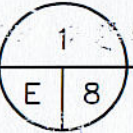
PANEL: HPCP2		CABLE: 3 - 14.0 SQ. MM THHN + G 5.5 SQ MM THHN		MAIN: 60 AT, 100 AF, 3P, 230V, 10 KAIC, MCCB						
PHASE: 3		CONDUIT: RSC, 25 MM DIA.		ENCLOSURE: NEMA 1						
VOLTS: 230		LOCATION: ELECTRICAL ROOM (SECOND FLOOR)		MOUNTING: SURFACE						
CKT NO.	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	LOAD CURRENT IN AMPERES			CIRCUIT PROTECTION CIRCUIT BREAKER RATING	Size of Conductor SQ. MM THHN + SQ. MM THHN(G)	Size Of Conduit In MMø	Color Code
				AB	BC	CA				
1	L.O. (11) + E.L. (3)	1640	230	7.13			15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
2	L.O. (8) + E.L. (4)	1520	230	6.81			15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
3	L.O. (11) + E.L. (3)	1640	230		7.13		15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
4	L.O. (12) + E.L. (4)	1920	230		8.35		15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
5	L.O. (10) + E.L. (4)	1720	230		7.40		15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
6	L.O. (9) + E.L. (4)	1620	230		7.04		15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
7	L.O. (9)	900	230	3.91			15AT, 2P, 10 KAIC	2 - 2.0	15	1R,1B, G
8	C.O. (8)	1440	230	6.26			20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R,1B, G
9	C.O. (8)	1440	230		6.26		20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R,1B, G
10	SPACE									
11	C.O. (11)	1980	230		8.61		20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R,1B, G
12	SPACE									
	TOTAL	15820.00	230	23.91	21.74	23.13	60AT, 3P, 10 KAIC	3 - 14.0 + G 5.5	25	1R,1B,1Y, G

FEEDER and CURRENT PROTECTION COMPUTATION:
Demand Factor - 85%
 $I_{fe} = [(1.732 \times 24.35) + 25\% \times \text{Im}] \text{ D.F.} = 35.20 \text{ Amperes}$
use: 3 - 14.0 SQMM THHN + 1 - 5.5 SQMM THHN IN 25 MM DIA. RSC
 $I_{cb} = [(1.732 \times 24.35) + 250\% \times \text{Im}] \text{ D.F.} = 35.20 \text{ Amperes}$
use: 60AT, 100AF, 3P, 230V, 10KAIC, CB

NOTE:
G - Means Ground Wire
1R - Color RED
1B - Color BLUE
1Y - Color YELLOW
1G - Color GREEN

This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.

SCHEDULE OF LOADS



SCALE

N T S

PREPARED BY: LORDLEY M. ABELAR CEIT/PPU	PREPARED BY: RYAN SANSEN R. SANCHEZ CEIT/PPU	ENDORSED BY: JENNY BEB FAJERO DIRECTOR	REC. APPROVAL: ANDRÉS DE LOS REYES DIRECTOR	REC. APPROVAL: MARY JANE D. TERORA VPRES	REC. APPROVAL: JOY POLINGA VPRES	APPROVED BY: ANTONIO D. ROBLES PRESIDENT	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY INDANG, CAVITE	SHEET NO.: 10
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CKT NO.	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	LOAD CURRENT IN AMPERES			CIRCUIT PROTECTION RATING	Size of Conductor	Size of Conduit	Color Code
				AB	BC	CA				
				CIRCUIT BREAKER RATING						
1	STLP17	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
2	STLP18	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
3	STLP19	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
4	STLP20	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
5	STLP21	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
6	STLP22	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
7	STLP23	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
8	STLP24	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
9	STLP25	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
10	STLP26	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
11	STLP27	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
12	STLP28	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
13	STLP29	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
14	STLP30	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
15	STLP31	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
16	STLP32	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
17	STLP33	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
18	STLP34	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
19	STLP35	3158	230			24.00	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
20	STLP36	4940	230			20.17	50AT, 2P, 10 KAIC	2-14.0 + G 3.5	25	1R, 1B, G
21	STLP9	6558	230			43.04	55AT, 2P, 10 KAIC	2-22.0 + G 5.5	25	1R, 1B, G
22	SPARE		230							
23	STLP10	6558	230			43.04	55AT, 2P, 10 KAIC	2-22.0 + G 5.5	25	1R, 1B, G
24	SPARE		230							
TOTAL		77754.00	230	188.17	187.04	187.04	300AT, 3P, 35 KAIC	3-150.0 + G 50.0	65	1R, 1B, 1Y, G

FEEDER and CURRENT PROTECTION COMPUTATION:
Demand Factor - 85%
 $I_{sc} = [(1.732 \times 188.17) + 25\% \times 1m] \cdot DF = 277.03$ Amperes
use: 3-150 SQMM THHN + 1-50 SQMM THHN IN 65 MM DIA. RSC
 $I_{ca} = [(1.732 \times 188.17) + 250\% \times 1m] \cdot DF = 277.03$ Amperes
use: 300AT, 400AF, 3P, 230V, 35KAIC, CB

NOTE:
G - Means Ground Wire
1R - Color RED
1B - Color BLUE
1Y - Color YELLOW
1G - Color GREEN

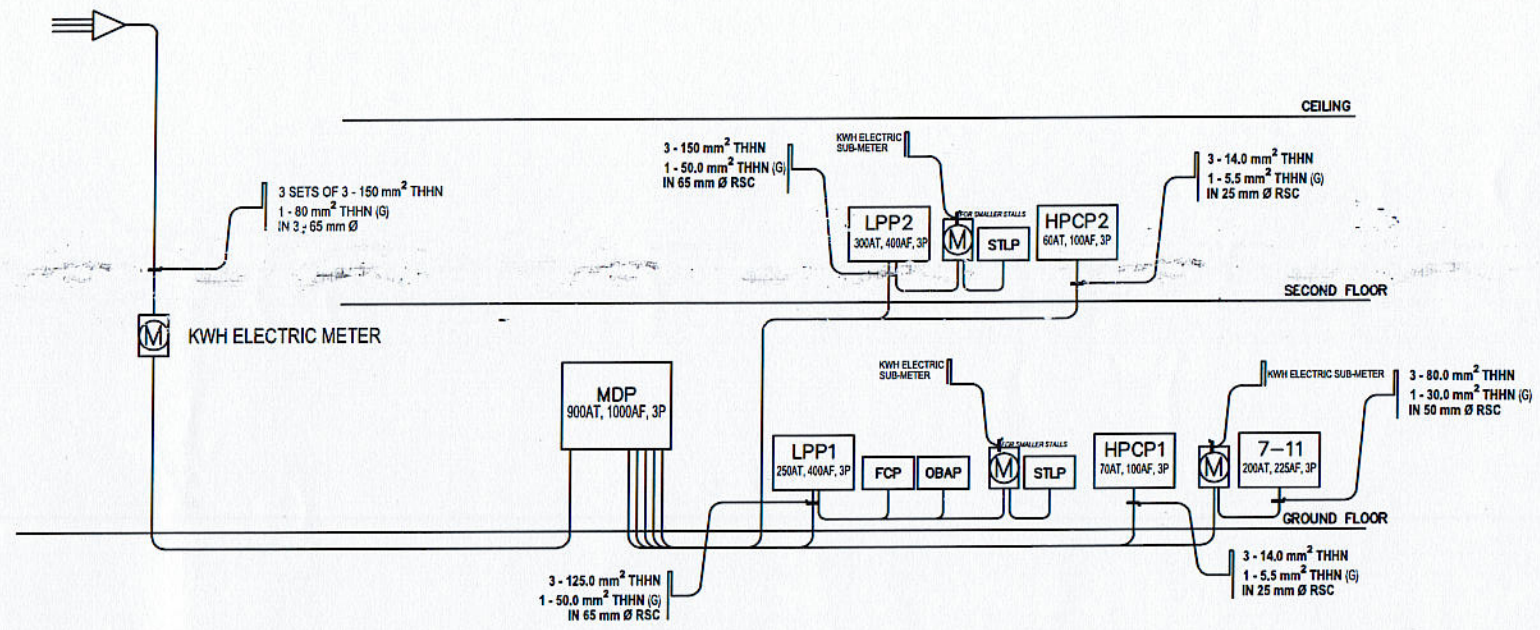
This Electrical Design is good only for the above connected loads. Any additional electrical load connection in the future is prohibited. Except redesign of electrical load system will be done.

CKT NO.	CIRCUIT DESCRIPTION	VA RATING	VOLTAGE	LOAD CURRENT IN AMPERES			CIRCUIT PROTECTION RATING	Size of Conductor	Size of Conduit	Color Code
				AB	BC	CA				
				CIRCUIT BREAKER RATING						
1	HPCP1	11379.00	230.00	18.17	18.35	18.09	70AT, 3P, 18 KAIC	3-14.0 + G 5.5	25	1R, 1B, 1Y, G
2	LPP1	66783.20	230.00	134.87	135.72	134.26	250AT, 3P, 35 KAIC	3-125 + G 50.0	65	1R, 1B, 1Y, G
3	HPCP2	15820.00	230.00	23.91	21.74	23.13	60AT, 3P, 10 KAIC	3-14.0 + G 5.5	25	1R, 1B, 1Y, G
4	LPP2	77754.00	230.00	188.17	187.04	187.04	300AT, 3P, 35 KAIC	3-150.0 + G 50.0	65	1R, 1B, 1Y, G
5	CONVENIENCE STORE	36800.00	230.00	120.00	120.00	120.00	200AT, 3P, 35 KAIC	3-80.0 + G 30.0	50	1R, 1B, 1Y, G
6	SPACE		230.00							
TOTAL		208536.20	230.00	485.13	482.85	482.52	900AT, 3P, 65 KAIC	3-3-150.0 + G 80.0	65	1R, 1B, 1Y, G

FEEDER and CURRENT PROTECTION COMPUTATION:
Demand Factor - 85%
 $I_{sc} = [(1.732 \times 481.04) + 25\% \times 1m] \cdot DF = 840.24$ Amperes
use: 3 sets - 3-150.0 SQMM THHN + 1-80.0 SQMM THHN IN 3-65 MM DIA. RSC
 $I_{ca} = [(1.732 \times 481.04) + 250\% \times 1m] \cdot DF = 840.24$ Amperes
use: 900AT, 1000AF, 3P, 230V, 65KAIC, CB

NOTE:
G - Means Ground Wire
1R - Color RED
1B - Color BLUE
1Y - Color YELLOW
1G - Color GREEN

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E 8

SCHEDULE OF LOADS

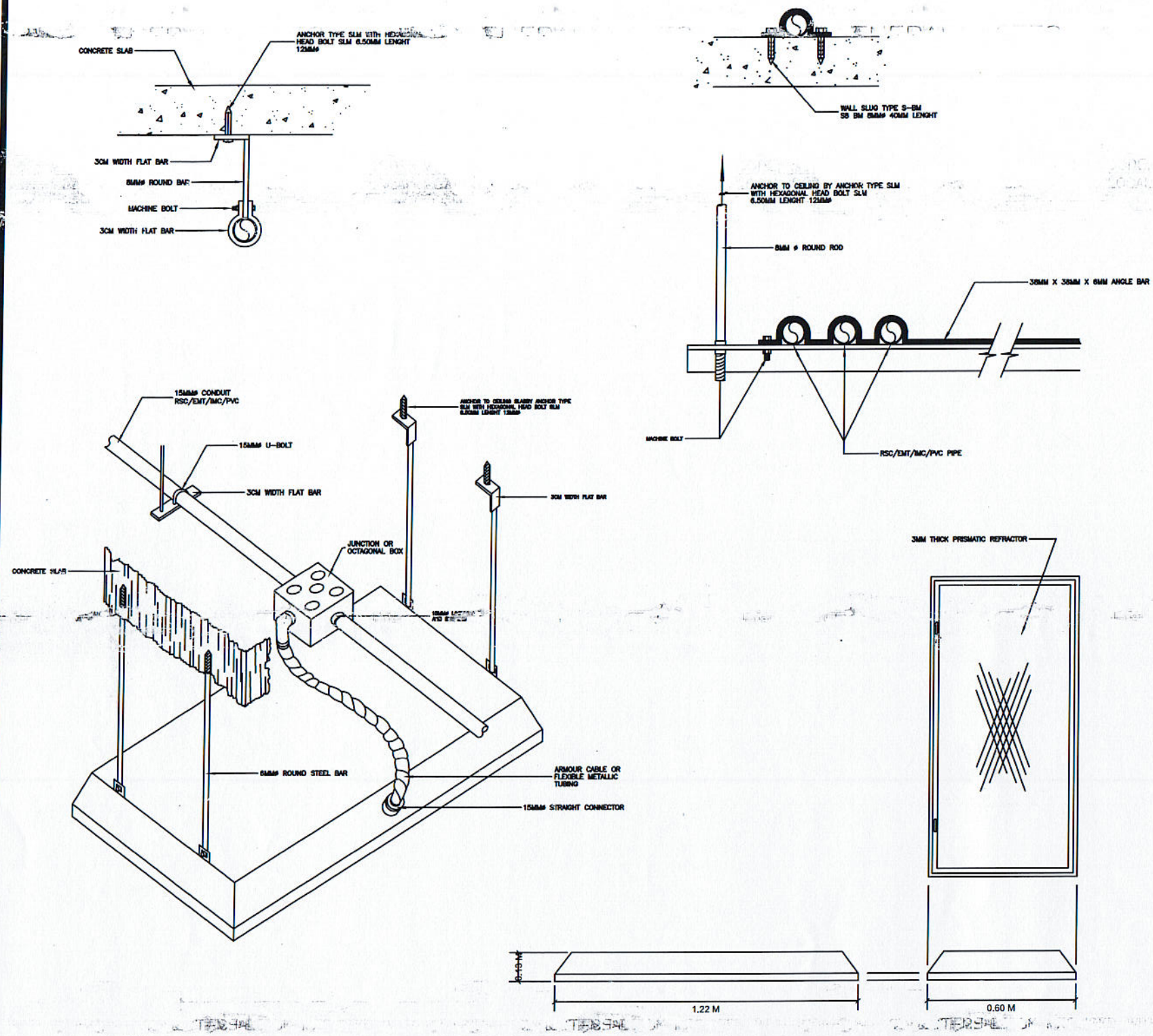
SCALE N T S

2
E 8

ONE LINE DIAGRAM

SCALE N T S

PREPARED BY: LORDLEY M. ABELLAR CET/PPU	PREPARED BY: RYAN JANSSEN R. SANCHEZ CET/PPU	END-USER: JENNY BEBIF EBO DIRECTOR	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR	REC. APPROVAL: MARY JANE D. TEPORA VPRES	REC. APPROVAL: CAMILIO A. POLINGA VPRES	APPROVED BY: HERNANDO D. ROBLES PRESIDENT	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO.: E 11
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GENERAL NOTES

1. ALL WORK HEREIN SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
2. ELECTRICAL WORKS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, MUNICIPAL/CITY LAWS AND ORDINANCES AND THE REGULATIONS FOR THE LOCAL POWER AND TELEPHONE COMPANY.
3. THE JOB SHALL BE EXECUTED IN THE MOST THOROUGH PROMPT AND WORKMANLIKE MANNER EMPLOYING STANDARD TOOLS, EQUIPMENT, METHODS AND GOOD ENGINEERING PRACTICE. THE JOB SHALL BE DONE IN ALL ASPECTS AS REQUIRED PER PLANS AND SPECIFICATIONS AND READY FOR OPERATION.
4. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO PERSENT A GENERAL LAYOUT AND BROAD OUTLINE/DESCRIPTION OF THE PROJECT, BUT DO NOT NECESSARILY INDICATE OR DESCRIBE ACTUAL LOCATIONS, LEVELS AND DISTANCES OF THE EQUIPMENT. THE CONTRACTOR IS HEREBY REQUIRED TO MAKE SUCH ADJUSTMENTS AT THE JOBSITE THAT ARE GOVERNED BY ACTUAL FIELD CONDITION.
5. POWER SERVICE TO THE COMMERCIAL BUILDING SHALL BE 230 VOLTS SINGLE PHASE 60HZ.
6. SERVICE ENTRANCE WIRING SHALL BE RIGID STEEL CONDUIT (RSC).
7. FEEDER WIRING SHALL BE ELECTRICAL METALLIC TUBING (EMT).
8. BRANCH CIRCUIT WIRING ELECTRICAL METALLIC TUBING (EMT).
9. BRANCH CIRCUIT WIRING EMBEDDED IN CONCRETE SHALL BE IN PVC PIPE WITH ADEQUATE GROUND WIRE FOR EQUIPMENT GROUNDING.
10. LIGHT SWITCHES SHALL BE 15A, 230VAC.
11. ALL MATERIALS SHALL BE BRAND NEW AND OF APPROVED TYPE FOR LOCATION AND PURPOSE INTENDED.
12. DEVICES, FIXTURES LOCATED OUTDOOR SHALL BE WEATHERPROOF TYPE.
13. MOUNTING HEIGHTS ARE:

A. LIGHT SWITCHES	1.40M ABOVE FLOOR FINISH
B. CONVENIENCE OUTLETS	0.30M ABOVE FLOOR FINISH
C. TELEPHONE OUTLETS	0.30M ABOVE FLOOR FINISH
D. UNITIZED PANELBOARD	0.10M ABOVE FLOOR FINISH
E. EMERGENCY LIGHT	0.30M BELOW CEILING LINE
14. ALL ELECTRICAL WORKS INSIDE THE PLUMBING ROOM SHALL BE SUITABLE FOR CLASS I DIVISION 2 HAZARDOUS LOCATIONS. CONDUITS LEAVING OR ENTERING THE AREAS SHALL BE PROVIDED WITH SEALING FITTINGS.
15. ALL ELECTRICAL WIRING SYSTEM SHALL BE PLACED ON CABLE TRAYS.
16. ALL STALLS SHALL BE PROVIDED WITH INDIVIDUAL KILOWATT METER BY MERALCO.
17. ANY DESCRIPANCY BETWEEN THE PLANS AND SPAECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION OR DECISION.
18. THE ENTIRE WORK SHALL BE DONE UNDER THE DIRECT SUPERVISION OF DULY REGISTERED ELECTRICAL ENGINEER.

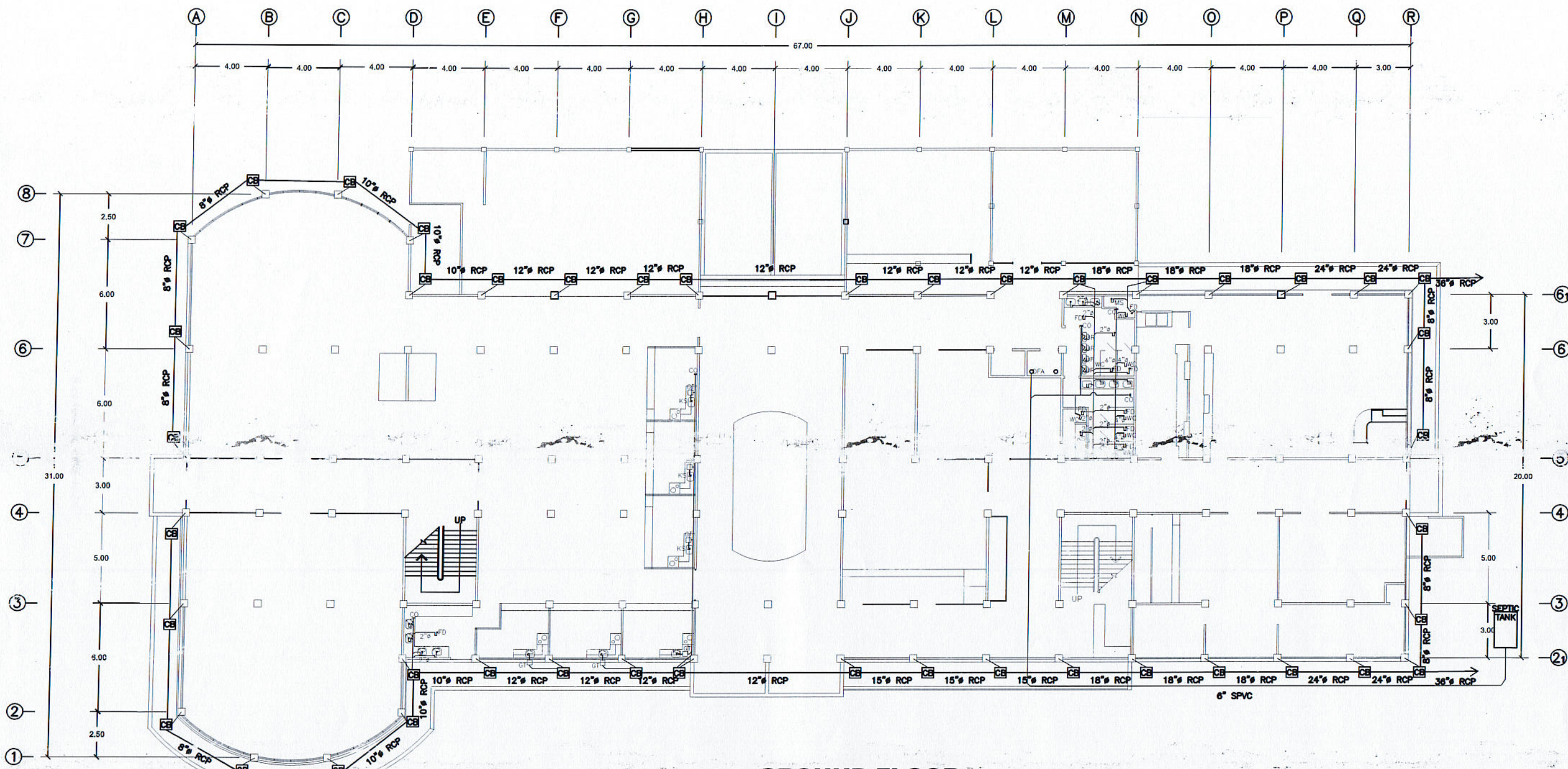
LIGHTING FIXTURE SUPPORT AND HANGER DETAIL



SCALE

N T S

PREPARED BY: LORDLEY M. ABENLAR CET/PPU	PREPARED BY: RYAN JAMES L. SANCHEZ CET/PPU	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: MARY JANE D. TEPORA VPRES	REC. APPROVAL: CAMILLO P. POLINCA VPRES	APPROVED BY: HERNANDO S. ROBLES PRESIDENT	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: E/12
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**GROUND FLOOR
SEWER AND DRAINAGE LAYOUT**



SCALE 125

PREPARED BY:
LORDLEY W. ABELLAR
CER. PPU

END-USER:
SANCHO B. BATA, JR.
REGISTERED MASTER PLUMBER, PPU

BY:
JENNY BEE F. EBO
DIRECTOR

APPROVED:
ORLANDO B. DE LOS REYES
DIRECTOR
PLANNING OFFICE

APPROVED:
MARY JANE D. TEPORA
VPRES
OVPPD

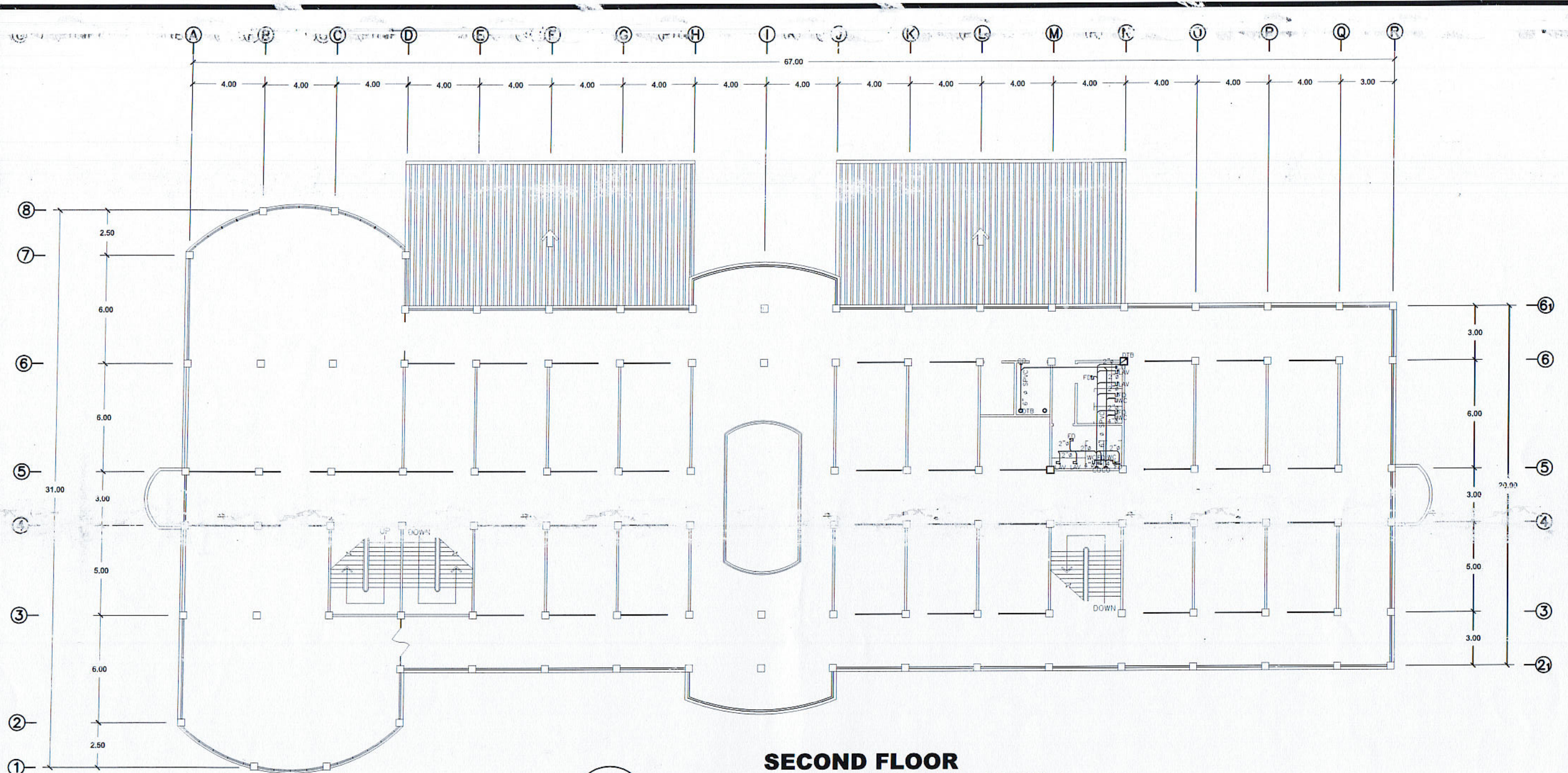
APPROVED:
CAMILA A. POLINGA
VPRES
VPASS

APPROVED:
HERNANDO D. ROBLES
PRESIDENT
CVSU

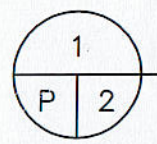
PROJECT TITLE / LOCATION
IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN)
CAVITE STATE UNIVERSITY
INDANG, CAVITE

IMPLEMENTING AGENCY:
CAVITE STATE UNIVERSITY

SHEET NO:
P 1



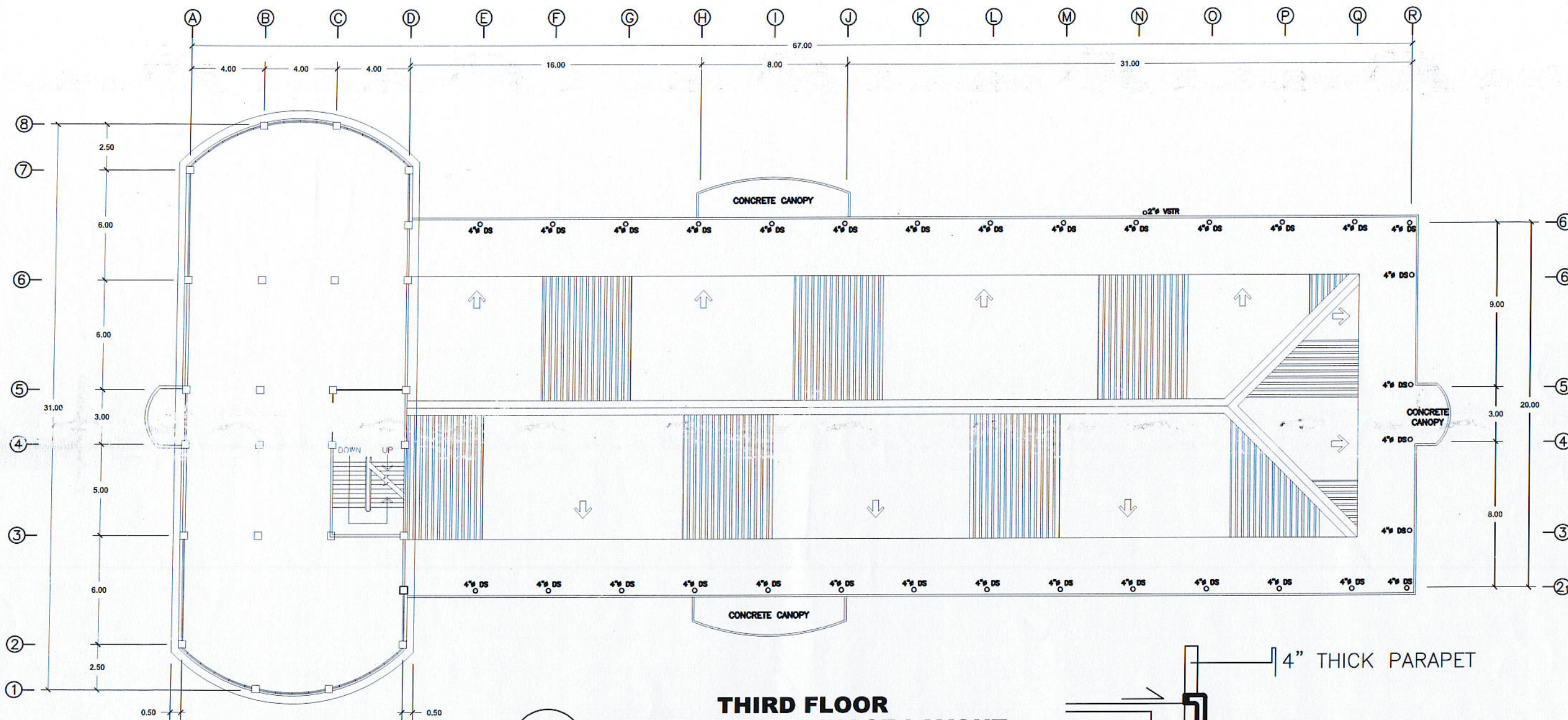
**SECOND FLOOR
SEWER AND DRAINAGE LAYOUT**



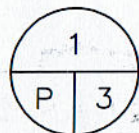
SCALE

125

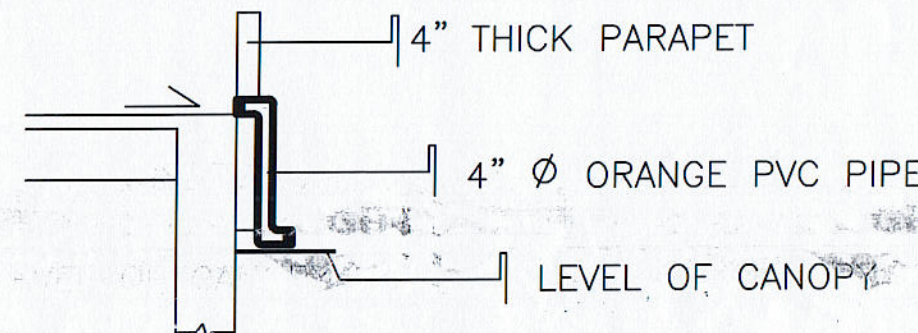
PREPARED BY: ORDLEY M. ABELLAR <small>CST/PPU</small>	CHECKED BY: SANCHO B. BAYOT JR. <small>REGISTERED MASTER PLUMBER, PPU</small>	END-USER: JENNY BEB F. EBO <small>DIRECTOR EBA</small>	ENDORSED BY: ORLANDO B. DE LOS REYES <small>DIRECTOR PLANNING OFFICE</small>	REC. APPROV: MARY JANE D. TEPORA <small>VPRES OVPPD</small>	REC. APPROV: CAMILU A. POLINGA <small>VPRES VPASS</small>	APPROVED BY: HERNANDO D. ROBLES <small>PRESIDENT CYSU</small>	PROJECT TITLE / LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) <small>CAVITE STATE UNIVERSITY INDANG, CAVITE</small>	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO.: P. 2
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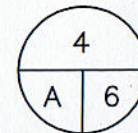
**THIRD FLOOR
SEWER AND DRAINAGE LAYOUT**



SCALE 125



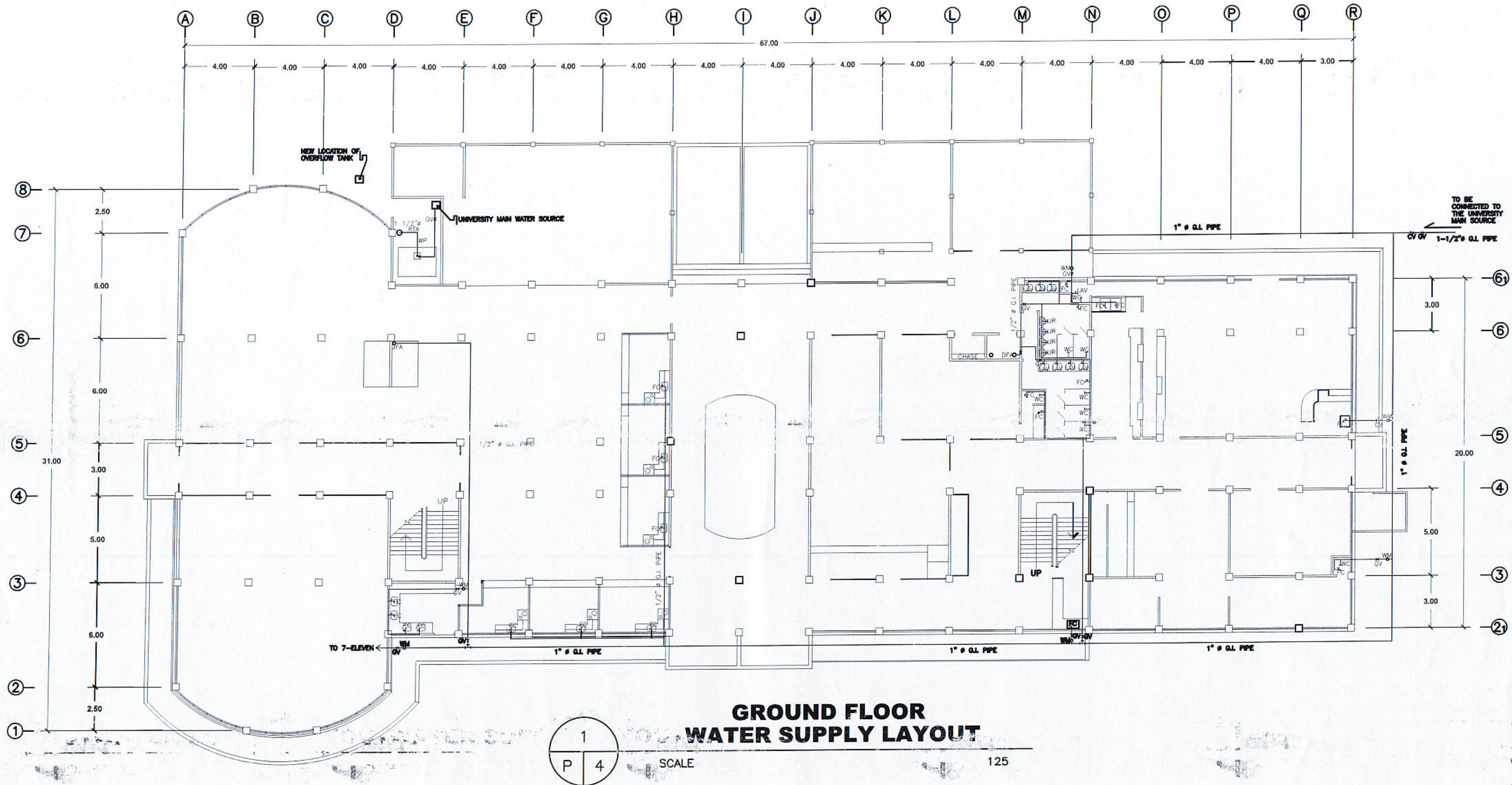
SECTION OF ROOF DRAIN



SCALE

NTS

PREPARED BY: LORDLEY M. ABELLAR CST/PPU	END-USER: JENNY BEEBEE DIRECTOR	ENDORSED BY: ORLANDO S. DE LOS REYES DIRECTOR	REC. APPROVAL: MARY JANE D. TERNORA VPRES	REC. APPROVAL: CAMILLO A. ROLINGA VPRES	APPROVED BY: HERNANDO D. ROBLES PRESIDENT	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: P 3
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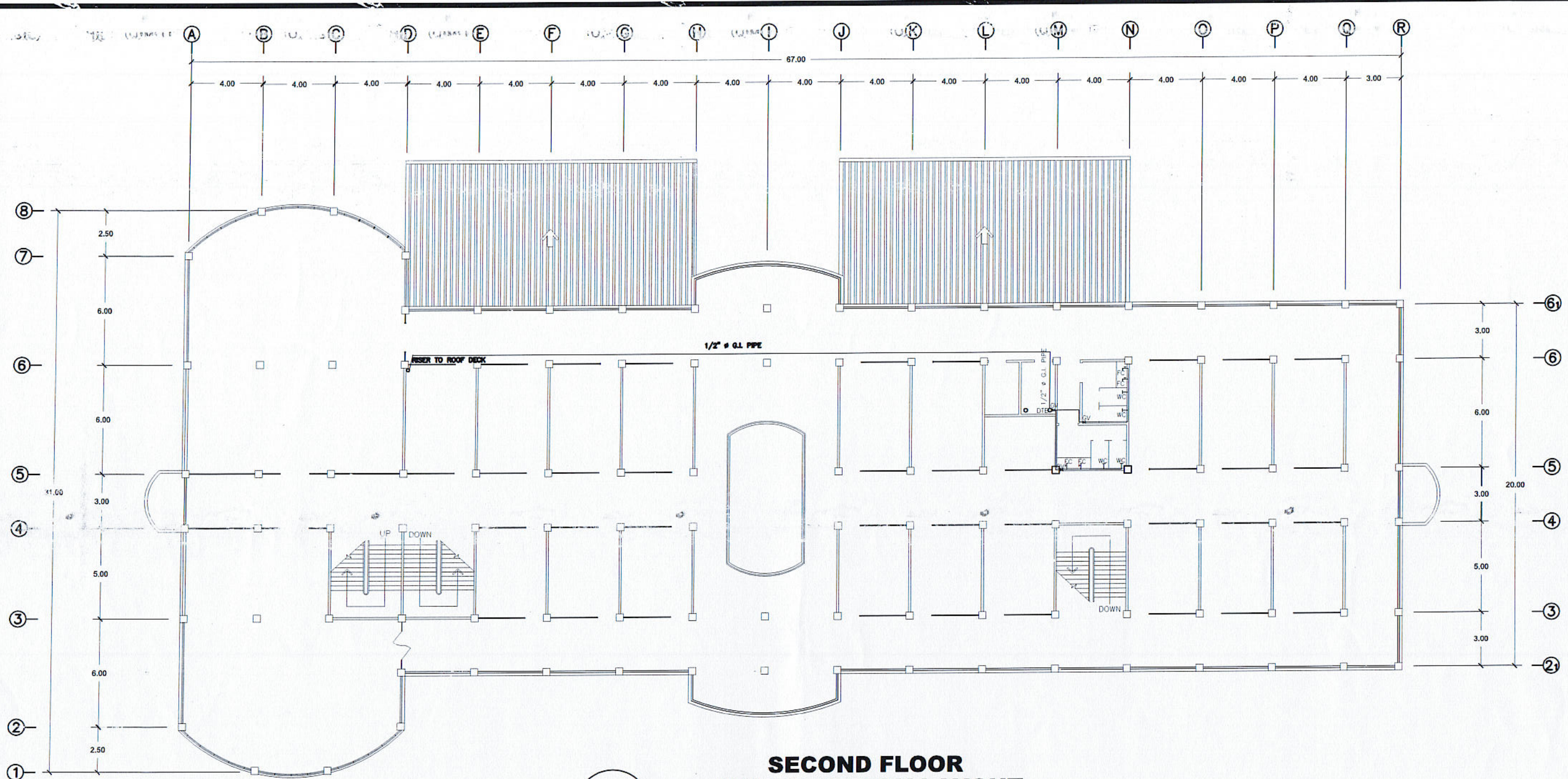
**GROUND FLOOR
WATER SUPPLY LAYOUT**



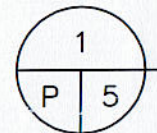
SCALE

125

PREPARED BY: LORDLEY M. ABELLAN CET/PPU	END-USER: JENNY BEE EBO DIRECTOR EBA	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REG. APPROVAL: MARY JANE ESTEPORA VPRES OYPPD	REG. APPROVAL: CHRISTINA POLINGA VPRES VPASS	APPROVED BY: BERNARDO D. ROBLES PRESIDENT CVSU	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: P / 4
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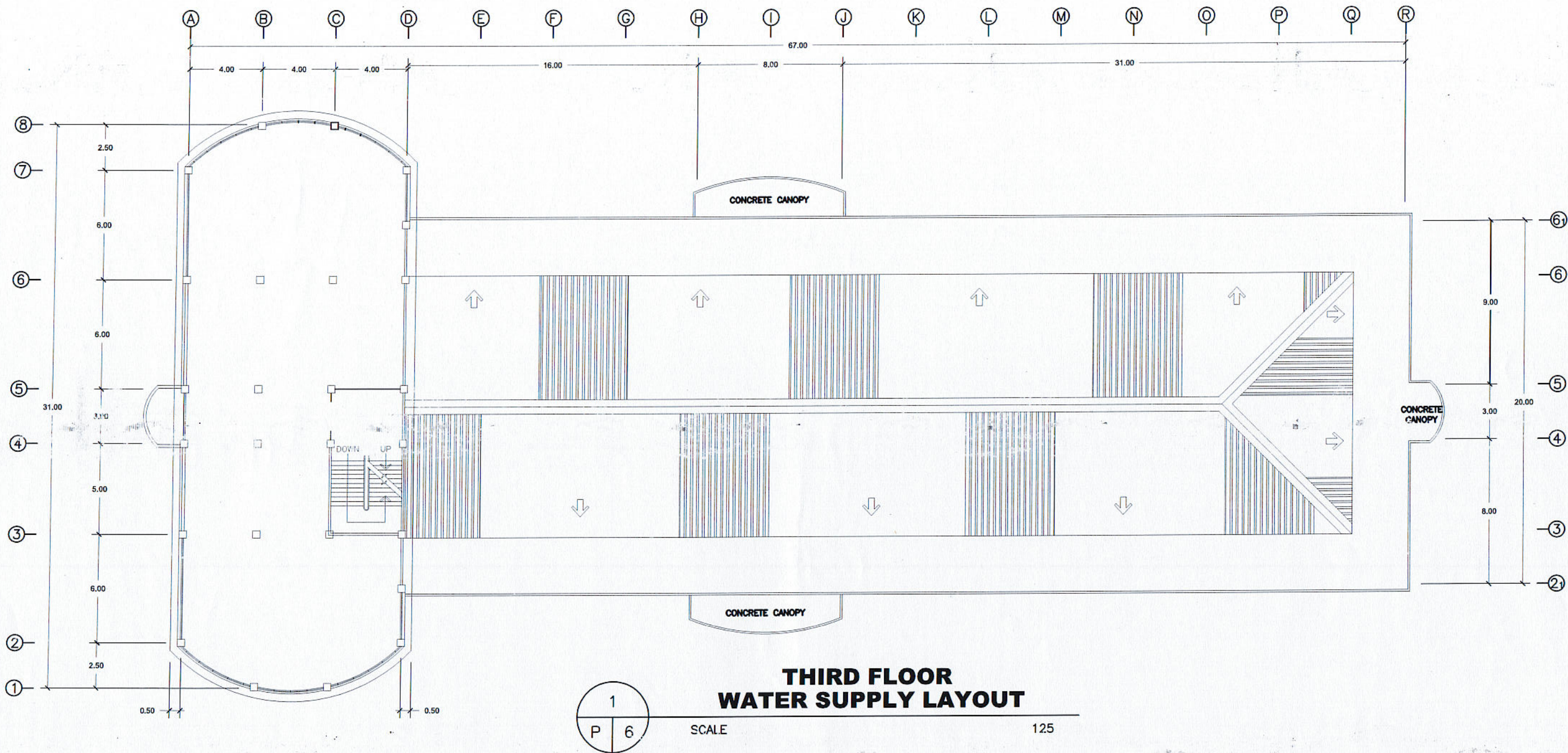


**SECOND FLOOR
WATER SUPPLY LAYOUT**



SCALE 125

PREPARED BY: LORDLEY M. SALLAR <small>CHT/PPU</small>	END-USER: JENNIFER EBO <small>DIRECTOR EBA</small>	ENDORSED BY: ORLANDO P. DEYES <small>DIRECTOR PLANNING OFFICE</small>	REC. APPROVAL: MARY D. TERORA <small>VPRES OYPPD</small>	REC. APPROVAL: CARLO A. ... <small>VPRES</small>	APPROVED BY: HERNANDO ROBLES <small>PRESIDENT CYSU</small>	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) <small>CAVITE STATE UNIVERSITY INDANG, CAVITE</small>	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO.: P/5
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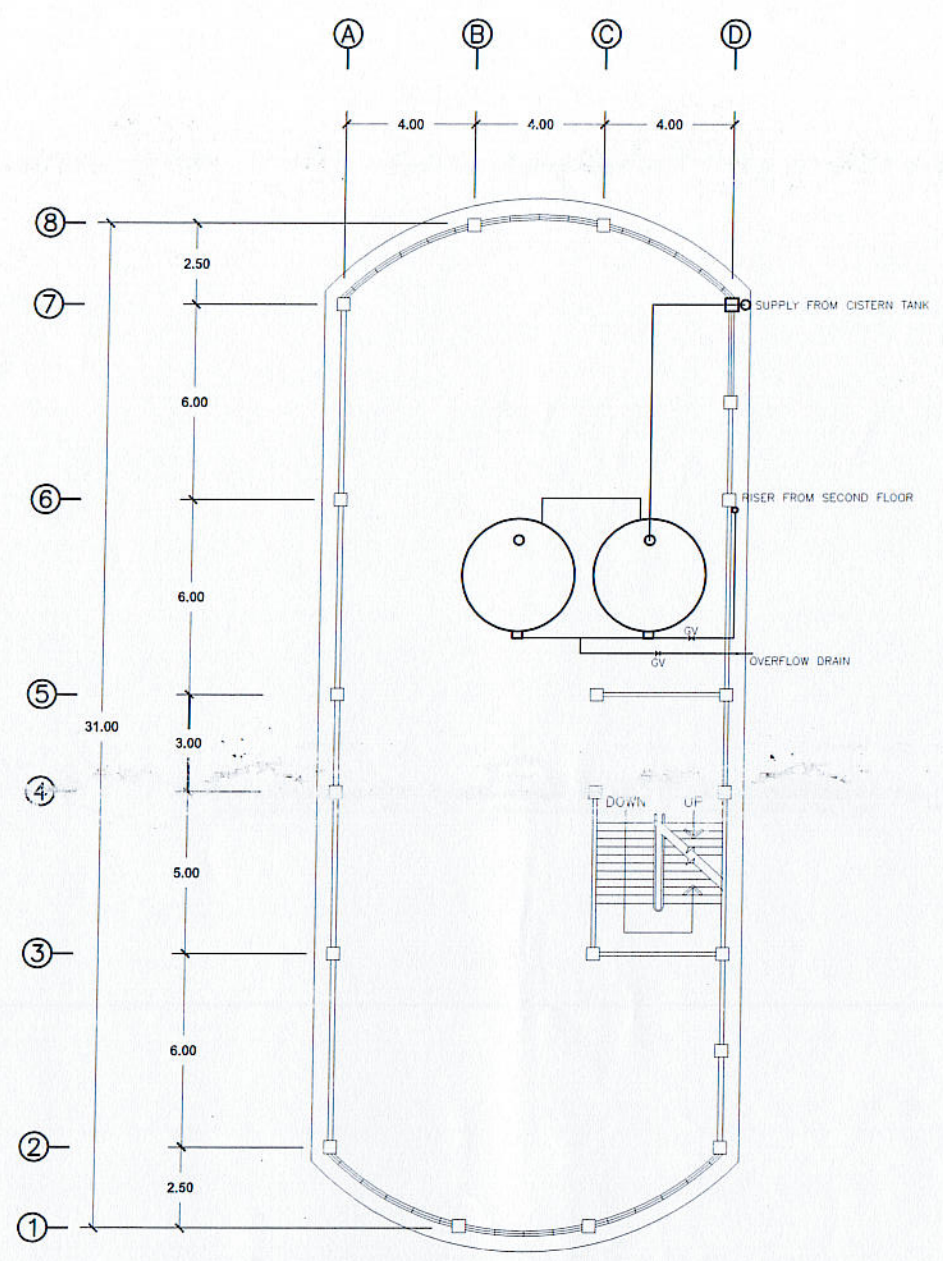


**THIRD FLOOR
WATER SUPPLY LAYOUT**

1
P 6

SCALE 125

PREPARED BY: LORDLEY M. ABELLAR CITY/PPU	END-USER: WENNY BERT EBO DIRECTOR	ENDORSED BY: ORLANDO B. DE LOS REYES DIRECTOR	REC. APPROVAL: MARY JANE D. TEBORA PLANNING OFFICE VPRES	REC. APPROVAL: CAMILA A. BOLINGA VPASS	APPROVED BY: TERENCIO D. ROBLES PRESIDENT	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO: P 6
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**ROOF DECK
WATER SUPPLY LAYOUT**

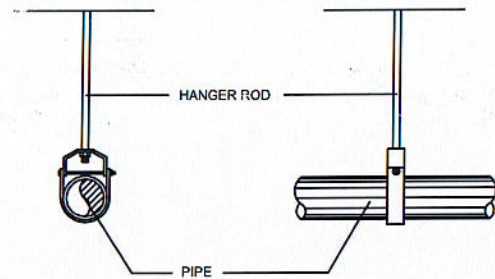


SCALE 125

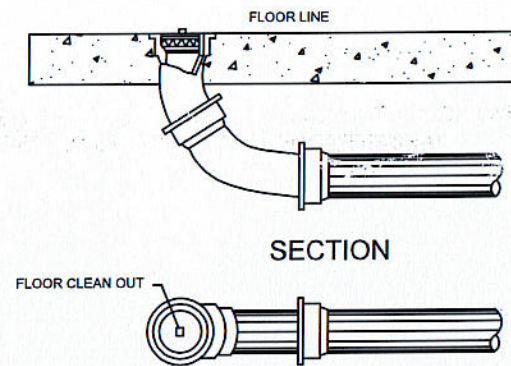
PREPARED BY: LORDLEY M. ABELLAR <small>CFIT/PPU</small>	END-USER: JENNIFER EBO <small>DIRECTOR EBA</small>	ENDORSED BY: ORLANDO B. DE LOS REYES <small>DIRECTOR PLANNING OFFICE</small>	REC. APPROVAL: MARY JANE D. TEPORA <small>VPRES OVPPD</small>	REC. APPROVAL: CARLO A. POLINGA <small>VPRES VPASS</small>	APPROVED BY: HERNANDO S. ROBLES <small>PRESIDENT CVSU</small>	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) <small>CAVITE STATE UNIVERSITY INDANG, CAVITE</small>	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO.: P-7
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ABBREVIATIONS:

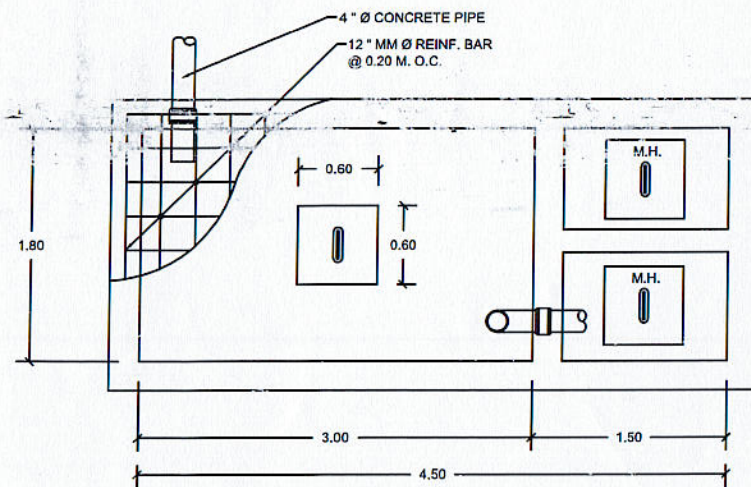
- FC - FAUCET
- LAV - LAVATORY
- PVC - POLYVINYL CHLORIDE
- WM - WATER METER
- WR - WATER RISER
- WC - WATER CLOSET
- UR - URINAL
- CO - CLEAN OUT
- WP - WATER PUMP
- RTA - RISE TO ABOVE
- FD - FLOOR DRAIN
- DFA - DOWN FROM ABOVE
- GV - GATE VALVE
- CV - CHECK VALVE
- KS - KITCHEN SINK
- GT - GREASE TRAP



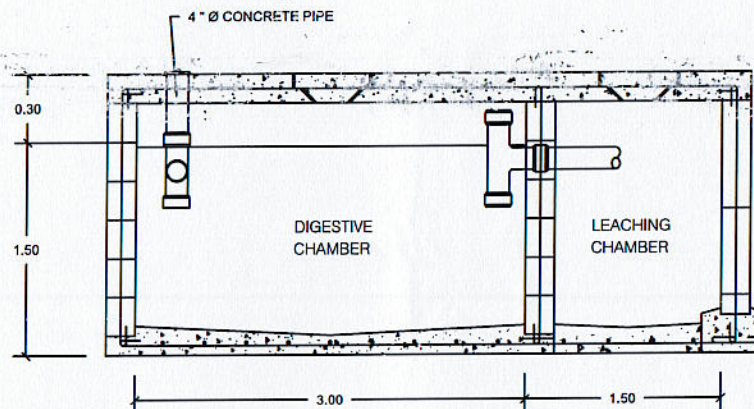
DETAIL OF PIPE HANGER



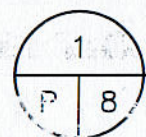
DETAIL OF FLOOR CLEAN OUT



PLAN



SECTION



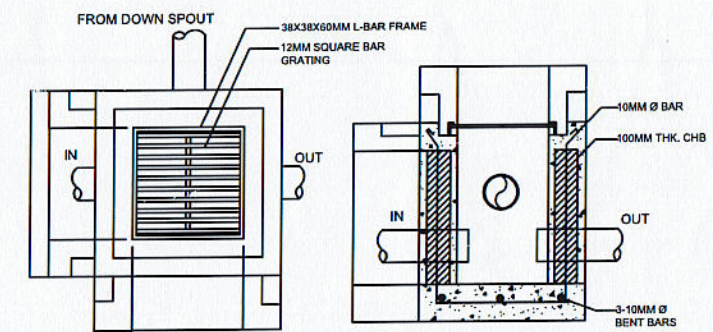
DETAIL OF SEPTIC TANK

SCALE

N T S

GENERAL PLUMBING NOTES :

1. ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE PROVISION OF THE PHILIPPINES PLUMBING CODE & THE RULES & REGULATION OF THE MUNICIPALITY OR CITY.
2. CORDINATE THE DRAWING WITH OTHER RELATED DRAWING & SPECS. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND HEREIN.
3. ALL PIPES SHALL BE INSTALLED AS INDICATED, ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF ARCHITECT AND ENGINEER.
4. PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION DEPTH & INVERT ELEVATION OF ALL EXISTING PIPES & STRUCTURES AS VERIFIED BY THE CONTRACTOR.
5. ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN 2% MIN. UNLESS OTHERWISE SPECIFIED.
6. SIZE OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTION.
7. THE CONTRACTOR SHALL VERIFY ALL UTILITIES AT SITE & COORDINATE THE WORKS WITH THE SEWER LINE EFFLUENT DISPOSAL POINT & WATLER LN. SERVICE CONNECTING POINT.
8. ALL PIPE SIZES ARE IN MM. & ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
9. ALL PIPES AND FITTINGS IMMEDIATELY BEFORE FIXTURES SHALL BE GALVANIZED IRON PIPE SCHEDULE 40.



PLAN

SECTION

DETAIL OF AREA DRAIN/ CATCH BASIN

PREPARED BY: LORDLEY M. ABELLAR CITY/PPU	END-USG: _____	ENDORSEC BY: _____	REC. APPROVAL: _____	REC. APPROVAL: _____	APPROVED BY: _____	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO.: P 8
CHECKED BY: SANCHO B. BAYOT JR. REGISTERED MASTER PLUMBER, PPU	END-USG: JENNY BEE F. EBO DIRECTOR EBA	ENDORSEC BY: ORLANDO B. DE LOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: MARY JANE D. JEPORA VPRES OVPPD	REC. APPROVAL: CAMELO A. POLINGA VPRES VPASS	APPROVED BY: HERNANDO D. ROBLES PRESIDENT CVSU	PROJECT TITLE/ LOCATION: IMPROVEMENT OF UNIVERSITY MALL (REVISED PLAN) CAVITE STATE UNIVERSITY INDANG, CAVITE	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO.: P 8